

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 for Environment and CRZ Clearance for "Water Front Development Project at Mundra, Dist. Kutch, Gujarat.

Ref : i) Environment and CRZ clearance granted to Adani Ports & SEZ Limited vide letter dated 12th January, 2009 and 19th January 2009 bearing MoEF letter No. 10-47/2008- IA.III.
ii) Environment and CRZ clearance Extension order granted to Waterfront Development Project at Mundra in Kutchh District (Gujarat) vide letter dated 7th October 2015 bearing MoEF letter No. 10-47/2008- IA.III.
iii) MoEF&CC's Order dated 18.09.2015

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 October 2025 to March 2026 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, **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.

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Environmental Clearance Compliance Report



Waterfront Development Project,
Mundra, Dist. Kutch, Gujarat

Adani Ports and SEZ Limited
Mundra, Kutch

For the period of
October-2025 to March-2026

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

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APSEZ has been granted Environment and CRZ Clearance for the project **Waterfront Development Project (WFDP)** vide **F. No. 10-47/2008-IA.III** dated **12th January 2009 & its addendum dated 19th January 2009** and these clearances are **superseded** by new EC & CRZ Clearance for **Expansion of Waterfront Development Plan** of Mundra Port in an area of **3335 ha for handling of additional 289 MMTPA** of multi-purpose cargo in addition to the existing approved capacity of **225 MMTPA** from MOEF&CC, located at Mundra, Kachchh District, Gujarat by Adani Ports & SEZ Ltd vide **F. No 10-24/2019-1A-III** dated **13/08/2024**.

- Note:** APSEZ has been accorded Consent to Establish (ToR to CtE) from GPCB vide dated 19th May, 2020 and the same becomes valid after getting EC & CRZ clearance from MoEF&CC vide its order dated 13th August, 2024. Therefore, compliance status of ongoing work undertaken after getting EC & CRZ clearance is being submitted in this half yearly compliance report.
- Activities/facilities approved, major components completed and proposed future activities as per latest Environment and CRZ Clearance are as below:

Sl. No.	Description	Approved as per EC & CRZ Clearance	Already Developed till 31-03-2026	Balance to be developed	Remarks
1	Quay Length (m)	16760	8485	8275	Developed additional quay length in South port @ 615 meter (400 meter Jetty for Liquid / Gas / Cryogenic cargo handling + 215 meter Multi-purpose T2 Jetty extension) along with its related infrastructure facilities / back-up area has been developed for increase in Cargo Handling Capacity i.e. Liquid Cargo & Container Cargo by developed new berths along with its supporting infrastructure facilities/ utilities and regularizing General / Dry Cargo handling capacity in line with existing port capacity.
2	Dredging (MCuM)	120	5.14	114.86	Capital dredging activity for development additional quay length and basin area is in process.
3	Effluent Treatment Plant (KLD)	1065	265	800	ETP of 265 KLD already developed as part of earlier clearances granted till 2009. Based on the future requirement, ~800 KLD is proposed to be developed on Modular basis.
4	Sewage Treatment Plant (KLD)	50055	55	50000	STP of 55 KLD already developed as part of earlier clearances granted till 2009. Based on the future requirement, 50 MLD is proposed to be developed on Modular basis.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sl. No.	Description	Approved as per EC & CRZ Clearance	Already Developed till 31-03-2026	Balance to be developed	Remarks
5	Desalination Plant (MLD)	447	80	367	A 47 MLD desalination plant was developed as part of earlier clearances granted in 2009. Further, under the WFDP Expansion Project, development of an additional 400 MLD desalination capacity has been approved. Out of this, APSEZ has developed a 33 MLD desalination plant, which is presently in operation. At present, APSEZ has developed a total desalination capacity of 80 MLD (47 MLD – existing + 33 MLD – additional) under the WFDP West Port (GPCB ID – 35427). The facility utilizes the existing intake and outfall system, which is designed to handle up to 300 MLD capacity. The amendment in Consent to Operate (CC&A) for the same has been duly obtained from the Gujarat Pollution Control Board (GPCB). Further, an additional 22 MLD desalination plant is under development within the SEZ area under the ToR/CTE granted for WFDP Expansion dated 14/05/2020. In addition, development of an 80 MLD desalination plant is in progress through Mundra Petrochemical Ltd. (a Group company of Adani) under an agreement with APSEZ. A separate Consent to Establish (CTE) has been obtained from GPCB vide Order No. CTE-77914 dated 09/12/2024. The balance capacity of 265 MLD out of the approved 400 MLD will be developed in a phased/modular manner, based on business requirements.
6	Sea Island Jetty	1	Nil	1	Not developed so far

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sl. No.	Description	Approved as per EC & CRZ Clearance	Already Developed till 31-03-2026	Balance to be developed	Remarks
7	Single Point Mooring (SPM)/ Single buoy Mooring (SBM)	3	2	1	02 SPMs / SBMs already developed as part of earlier clearances granted till 2009.

- ✓ The proposed expansion of west port and south port along with supporting utilities/infrastructure facilities will be undertaken over an area of 3335 ha. For handling of additional 289 MMTPA of multi-purpose/Liquid/gas/cryogenic cargo will be handled in addition to the existing approved capacity of 225 MMTPA (Total 514 MMT).
- ✓ The entire existing and proposed quay length will be used for handling Multipurpose/Liquid /Gas/Cryogenic cargo.

Note:

EC & CRZ Clearance has been granted for Expansion of WFDP @ Mundra port. Compliance of relevant conditions has been given as per current practices those are being followed as per existing operational activities in line with permission granted earlier from competent authorities. The same practice will also be continued during proposed expansion activities also.

Cargo Mix and its handling capacity for Proposed Expansion of Waterfront Development Plan is approved as below.

S. No	Cargo type	Cargo Mix	Cargo Handling Capacity (MMTPA)
1	Dry Bulk & Break Bulk Cargo	Multipurpose Cargoes including Coal / Iron ore / limestone / Mines & Minerals & other dry bulk/Fertilizers and raw materials for manufacture of fertilizer / food grains / sugar / clinker / cement / Project cargo / timber & wood / machines/ Iron steel products / Bulk/Break Bulk etc.	140
2	Containers	Container, Ro – Ro & Automobiles and any other non-hazardous cargo	250
3	Liquid Cargo	All Class A, B, C petroleum products, excluded petroleum products Including Petrochemical products, Hazardous, Toxic and Non-Hazardous chemicals/Liquids and other Liquid cargos. Tentative list of hazardous liquid cargo but not limited to are as follows: Ethylene, Propylene (Propene), Butadiene, Pentane, Ethyl Mercaptan Motor Spirit, Propylene Oxide, Hexane, Naphtha, Acetone, Methyl Chloride / Chloro Methane, Cyclohexane, Benzene, Ethyl Acetate, Acrylonitrile Acetonitrile, Methyl Methacrylate, Meth acrylonitrile, Methanol (Methyl Alcohol), Isopropyl Alcohol, Ethyl Alcohol (Ethanol), Ethylene di chloride, Methyl Isobutyl Ketone, Ethyl	84

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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S. No	Cargo type	Cargo Mix	Cargo Handling Capacity (MTPA)
		Benzene, N-Butyl Acetate, Isobutyl Alcohol (Iso Butanol), N-Butyl Alcohol (N-Butanol), Epichlorohydrine, Styrene, O-Xylene, Acetic Acid, Acetic Anhydride, Nonedible/ Mentha Oil Low Sulphur Heavy Stock/ Furnace oil, Aniline, Methyl Ethyl Ketone Peroxide, Ethyl Hexanol-2, Vinyl Chloride, Phenol, Naphthalene, Ethylene Glycol, Mono Ethylene Glycol, Toluene 2.4 -di isocyanate, Diphenyl Methane Di-Isocynate, Edible oil/Palm Oil, Paraffin, Bitumen, Sulphur, Coal, CNG, NG, Ammonia (NH ₃), Diammonium Phosphate, Muriate of Potash (MOP), Soda Ash (Sodium Carbonate), Urea, Limestone, Caustic Soda, Sulphuric acid, Phosphoric acid, Piperine/ Piperidine, Chloroform, Hydrochloric Acid (HCL), Ethylene diamine (EDA), CMDI etc. PoL such as Motor Spirit, Naptha, HSD, Crude Oil, Aviation Fuel, Kerosene, Low Sulphur Heavy stock/Furnace Oil, Carbon Black Feedstock, Paraffin, Bitumen, Lube Oil, Asphalt etc.	
4	Gas /Cryogenics/ Liquid	LNG, Propane, Butane, n-Butane, Ethane, LPG, CNG, NG and All Class A, B, C petroleum products, excluded petroleum products Including Petrochemical products, Hazardous, Toxic and Non-Hazardous chemicals/Liquids and other Liquid cargos.	40
TOTAL			514

Details of Cargo Handling During FY 2025-26

Name Of Cargo	Unit	Handling Capacity as per EC	Handling Capacity as per CTO	Cargo Handling During FY 2025-26
Container Handling	Million Tons per Annum (MTPA)	250	117	83.34
Liquid Cargo Handling (POL, Chemicals, Vegetable Oil and Bitumen)	Million Tons per Annum (MTPA)	84	25	10.02
General and Dry Cargo Handlin	Million Tons per Annum (MTPA)	140	102	52.65

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Compliance Report of Environmental and CRZ Clearance

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report for Environment and CRZ Clearance for the project "Waterfront Development Project (WFDP) at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited"

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
Specific Conditions		
i	No existing mangroves shall be destroyed during construction / operation of the Project.	Complied. As part of the directions given by MoEF&CC vides order dated 18th Sep, 2015, following studies were conducted. 1. NCSCM (MoEF&CC approved Government Agency) had carried out a study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ. As a part of mangrove conservation plan, APSEZ has done following activities. a. To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently APSEZ has entrusted NCSCM, Chennai to carry out the Monitoring of mangrove distribution in creeks in and around APSEZ with cost INR 45.87 Lakhs from year 2021 to 2023. b. Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. • The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. • Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase from February 2021 and September 2023.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026						
		- Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25. c. Tidal observation in creeks in and around APSEZ – The cost incurred by APSEZ for the said activity was INR 1.0 Lakh incurred by APSEZ. d. Algal & Prosopis removal from Mangrove area - The cost of the said activity was INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1. e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. INR 431.52 Lacs during FY 2025-26 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity. As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities. <table border="1"> <thead> <tr> <th>Sr. No</th><th>Recommendations</th><th>Compliance</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Mangrove mapping and monitoring in and around APSEZ</td><td> - APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in </td></tr> </tbody> </table>	Sr. No	Recommendations	Compliance	1.	Mangrove mapping and monitoring in and around APSEZ	- APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in
Sr. No	Recommendations	Compliance						
1.	Mangrove mapping and monitoring in and around APSEZ	- APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in						

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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026		
				the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase between February 2021 and September 2023. Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25.
		2.	Tidal observation in creeks in and around APSEZ	- APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM. - The observed tidal ranges indicate that the creeks experience normal tidal ranges, adequate for the growth of mangroves. - The cost of the said activity was INR 1.0 Lacs.
		3.	Removal of Algal and Prosopis growth from mangrove areas	- Algal and Prosopis growth monitoring was done in and around mangrove area and algal encrustation was found in some of the mangrove areas, which has been removed manually. - The cost of the said activity was INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1.
		4.	Awareness of mangroves importance in surrounding communities	- Adani Foundation – CSR Arm of Adani group has done awareness camps/activities created in the community regarding importance of mangroves. Adani Foundation provides Good Quality dry and green fodder to 33 Villages. Dry Fodder 16,38,505 Kg Green Fodder – 62,05,521 Kg during Apr'25 to Mar'26. - Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. INR 431.52 Lakhs during FY 2025-26, which was incurred by APSEZ. Grass Land development: 213 acres of gauchar land has been cleaned and allocated for Grass land development with strong Community Contribution and Mobilization. - Other than this dedicated security guard with gate system deployed by APSEZ across the coastal area and no any unauthorized

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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026	
			persons allowed within coastal as well as mangrove areas. APSEZ has celebrated the International Day for the Conservation of the Mangrove Ecosystem with coordination of Adani Foundation from 24th to 26th July 2024 to raise awareness of the importance of mangrove ecosystems as "a unique, special and vulnerable ecosystem". The report for the same was submitted along with HYCR for the period Apr'24 to Sep'24. Refer CSR report attached as Annexure – 2.
		2. A Regional Impact Assessment study through Chola MS, Chennai (NABET accredited consultant) to identify impacts of all the existing as well as proposed project activities in Mundra region inline to ToR issued by GCZMA. The cost of said study was INR 1.3 Cr, which was incurred by APSEZ.	
ii	There shall be no filling up of the creek and reclamation of the creeks.	Complied. <u>Conservation of creeks:</u> - The prominent creek system (main creeks and small branches of creeks) in and around APSEZ are: (1) Kotdi (2) Baradimata (3) Navinal (4) Bocha (5) Mundra (Oldest port (Juna Bandar) leading to Bhukhi river). - All above creek mouths are open allowing free flow of water in to the creeks and surrounding areas and there is no filling or reclamation of any creek area. - This aspect is also confirmed from the study of NCSCM in 2017-18, which highlights the bathymetry data of the entire coast around APSEZ. - From the bathymetry data it can be concluded that there are sufficient depths at the creek mouths and all creek mouths are open allowing flushing of water. - APSEZ has so far constructed 19 culverts having total length of approx. 1100 m with total cost of INR 20 Crores. Three RCC Bridges have also been constructed over Kotdi creek with total length of 230 m and cost of INR 10 Crores. Photographs showing the same were submitted along with half yearly compliance report for the period of Apr'17 to Sep'17.	

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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		Please refer condition no. i of EC & CRZ compliance report for further details.
iii	The Project proponent shall comply with all the Orders/directions of the Honorable High Court of Gujarat and Supreme Court in the matter.	Complied. There are two ongoing matters pending (One is pending at High Court of Gujarat and other is pending at Supreme Court). Details of ongoing legal cases are attached as Annexure - 3.
iv	Adequate safety measures for the offshore structure and ship navigation shall be taken in view of the High Current in the area.	Complied. The hydrodynamic study for the waterfront area has been carried out by HR Wallingford, a maritime design expert. As per the recommendations in their report, the following safety measures are implemented. 1. The alignment of the berth has been kept in line with the current flow in order to reduce the effect of current on vessels moored alongside. 2. The breasting dolphins have been designed in such a configuration so as to provide appropriate lead to the vessels mooring ropes. 3. The berth being in line with the current flow will facilitate Pilotage operation and provide better maneuverability of vessels. 4. The strength of the berth structure has been calculated to absorb the energy transferred to fenders while berthing of tanker vessels at the terminal. 5. Navigational buoys and lead lights marking the channel and clearing distance off the breakwater are installed. 6. The strength of the fenders at the berth and the SWL of the bollards / winches are sufficient to absorb the forces of vessels alongside keeping in mind the monsoon weather conditions. 7. Sufficient depths are maintained at all times to ensure 10% UKC at the time of berthing / un-berthing. 8. The capstans / winches / bollards are of adequate strength with respect to the vessels being handled. 9. The berth has been designed at an appropriate distance from the existing berths at MMPT-1 in order to safely allow berthing / un-berthing of vessels at MMPT-1 with vessels berthed at the South Port tanker terminal. 10. Berths have been planned close to the breakwater as there is a reduced strength of current along the coastline.

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v	The shore line changes in the area shall be and monitored periodically the report submitted every 6 months to Regional Office Bhopal.	Complied. Shore line change aspect has been studied in detail as part of following two studies; - Bathymetry & Topography study, preparation of plan for protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary. - A Regional Impact Assessment study to identify impacts of all the existing as well as proposed project activities in Mundra region. As per the outcome of these studies, negligible erosion is observed on the coast of the project area. As part of the Regional Impact Assessment study, the possible changes in shoreline that may occur due to the proposed developments in 10 km area on either side of the waterfront development project have been predicted. It has been inferred from the modelling study that the shift in the shoreline will be less than 0.5 m/year, which reconfirms that the APSEZ facility would pose insignificant impact on the Mundra shoreline. Accretion is observed at South port and at West port due to approved reclamation activities. Based on the study outcome, it is recommended to map the coastal morphology (shoreline change) at least once in three years. Recently, APSEZ has awarded work to M/s. DHI India Water Environment Pvt Ltd, New Delhi for carrying out Shoreline Change Assessment Study for Mundra region. The cost of said study is INR 14.55 Lakhs. The study is presently under progress. The last shoreline change study was carried out by M/s. Gujarat Institute of Desert Ecology, Bhuj in 2022 as a part of the Environmental Management Plan (EMP) compliance with the CIA study. The cost of said study was INR 17.39 Lacs. In the last study, the rate of shoreline changes statistics on a time series of multiple shoreline positions of a total of 43 km coastline stretches on either side of APSEZ (16 km on the

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		west side and 27 km on the east side of main port) has been taken into account for the calculation by using satellite images. As a part of the NGT direction, the shoreline change analysis has been carried out for the years 2015-2022 to study the immediate changes after the commissioning of the port and initiation of the activities (September 2015) for short-term variation for the year 2015-2022 using EPR method has been carried out. The details of the rate of shoreline changes (Short interval time) recorded from 2015 to 2022 are summarized in below table. <table><tr><th rowspan="2">Period</th><th rowspan="2">Name of the block</th><th rowspan="2">Average Shoreline Change (M/Year)</th><th colspan="2">Shoreline Change(M)</th></tr><tr><th>Maximum Accretion</th><th>Maximum Erosion</th></tr><tr><td rowspan="2">2015-2022</td><td>West Port</td><td>-11.43</td><td>39.86</td><td>-78.68</td></tr><tr><td>Eastern side</td><td>-26.60</td><td>191.32</td><td>-165.19</td></tr></table> The last Shoreline Change Assessment Study report of GUIDE was submitted along with HYCR for the period of Oct'22 to Mar'23. The Shoreline change study was previously carried out by M/s. Chola MS, Chennai (NABET accredited consultant) also as a part of Waterfront Development Project – Expansion EIA study. The summary of the said study are as below. To estimate the shoreline, change due to the earlier approved waterfront development plan, a historical shoreline change assessment has been undertaken using the satellite imagery for a period of 2008 to 2018. To avoid any major errors in estimating the shoreline, the satellite data for similar tidal condition was considered for 2008, 2013 and 2018. AMBUR Methodology was used to study the historical analysis. 10 km radius stretch of shoreline on either side of the APSEZ project boundary has been considered for assessing the historical shoreline change scenario. The baseline shoreline change assessment depicts the influence of both natural causes and also possible changes in the shore due to various development activities in the study area during the	Period	Name of the block	Average Shoreline Change (M/Year)	Shoreline Change(M)		Maximum Accretion	Maximum Erosion	2015-2022	West Port	-11.43	39.86	-78.68	Eastern side	-26.60	191.32	-165.19
Period	Name of the block	Average Shoreline Change (M/Year)				Shoreline Change(M)												
			Maximum Accretion	Maximum Erosion														
2015-2022	West Port	-11.43	39.86	-78.68														
	Eastern side	-26.60	191.32	-165.19														

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		designated period. For this study, shoreline on left side of APSEZ is termed as West Side Shoreline and that of the right side as East Side Shoreline for ease of recognition. The maximum accretion and erosion rate of the west side shoreline over a period of 10 years during the year 2008 – 2018 are observed to be 4.78 m/yr and 1.93 m/yr respectively. The maximum accretion and erosion rate of the east side shoreline over a period of 10 years during the year 2008 – 2018 are observed to be 0.5 m/yr and 0.82 m/yr respectively. Please refer Annexure B (Compliance of MoEF&CC Order dated 18th Sep, 2015) for further details regarding the mentioned studies.
vi	The recommendations of the risk assessment shall be implemented; any change in the design of the project shall come before the committee for seeking necessary approval.	Complied. Risk Assessment was carried out at the time of preparation of the EIA report for the Liquid Berths and LNG terminal. However, it may be noted that liquid berths are not yet developed. Hence recommendations of Risk Assessment will be implemented once the liquid berths & pipelines are developed by APSEZ. The LNG terminal is constructed by GSPC LNG Ltd. and a separate Environment and CRZ clearance is obtained by them. Please refer to general condition no. ix below for details regarding the same. LPG is being handled from the existing multipurpose terminal. A detailed risk assessment study as per MoEF&CC letter no. F. No. 10-47/2008-IA-III dated 31st May, 2016 was carried out by iFluids Engineering for handling as well as storage activities. 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 of Oct'18 to Mar'19. Reports of the same were submitted to MoEF & CC along with HYCR for the period of Apr'17 to Sep'17. Implementation report of risk assessment study during operation phase was submitted along with HYCR for the period Oct'19 to Mar'20.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		There are no other activities which attract requirement of Risk Assessment.
vii	Mangrove plantation of 200 ha to be done in consultation with GEER / GEC of Forest Department, a detailed plan shall be submitted within six months from the date of receipt of this letter.	Complied. APSEZ has consulted Gujarat Institute of Desert Ecology (GUIDE) as they are one of the authorized agencies of Dept. of Forest & Env., Govt. of Gujarat for carrying out mangrove afforestation. GUIDE has completed mangrove plantation in an area of 200 ha at Jakhau, Gujarat during the year 2012-13. Copy of the mangrove plantation completion certificate was submitted along with HYCR for the period Apr'18 to Sep'18. Total expenditure for the said work was INR 40 lakh. To enhance the marine biodiversity, till Mar'26 APSEZ has carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat. Total expenditure for the same is INR 1592.8 lakh. Details on Mangroves afforestation & Green belt development carried out by APSEZ till Mar'26 is annexed as Annexure - 4. 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 current FY 2022-23, 04 Hecter plantation has been planted with various species. Total 20 Ha. multi-species mangrove plantation has been carried out till March-23 association with M/s. GUIDE, Gujarat. 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.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026				
		Adani Foundation has done gap filling with 10000 nos. of mangrove saplings at Luni village coastal area during the compliance period Apr'25 to Sep'25. Please refer to attached Annexure - 2 for CSR activity report carried out by Adani Foundation.				
viii	It shall be ensured that during construction and post construction of the proposed jetty the movement of fishermen vessel of the local communities are not interfered with.	Complied. During project proposal, APSEZ proposed to provide four (4) dedicated accesses at Juna Bandar, Luni, Bavdi Bandar and Zarpara for the fishermen to approach the sea for fishing activity. However, during construction as well as operation, through fishermen consultative process, so far APSEZ has provided seven (7) access roads instead of four (4). Total length of all the approach roads is approx. 23 Kms and expenditure involved is Rs. 637 Lacs. There is no hindrance to the movement of fisherman boats. APSEZ is actively working with local community around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation. Adani Foundation is working in main five persuasions as below. ❖ Education ❖ Community Health ❖ Rural Infrastructure ❖ Sustainability Livelihood ❖ Skill Development Brief information about activities in the main five persuasions is mentioned below. Activities carried out for the same are summarized as below. <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Community Health</td><td> The Foundation adopted a preventive and primary healthcare approach to ensure affordable access for rural and economically vulnerable populations. • 39,091 medical consultations delivered through: ○ Rural clinics in 7 villages </td></tr></table>	Area	Activity	Community Health	The Foundation adopted a preventive and primary healthcare approach to ensure affordable access for rural and economically vulnerable populations. • 39,091 medical consultations delivered through: ○ Rural clinics in 7 villages
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Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																										
		○ Mobile Health Units covering 28 villages and fishing settlements ○ General, specialty, eye-care, and student health camps ● Cataract Free Mundra Initiative restored eyesight and livelihood capability through timely surgeries. ● Health screenings, vaccination programs, and hygiene awareness sessions conducted in schools. ● Medical equipment supplied to 7 PHCs and 42 sub-centers, improving rural healthcare infrastructure. Overall Healthcare Reach<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Medical Consultations Provided</td><td>39,091</td></tr><tr><td>Villages Covered (Health Interventions)</td><td>28+</td></tr><tr><td>Rural Clinics Operational</td><td>7 villages</td></tr><tr><td>Mobile Health Care Units (MHCU) Coverage</td><td>28 villages & fishing settlements</td></tr><tr><td>Total Healthcare Beneficiaries (Direct)</td><td>39,000+ persons</td></tr></table> Healthcare Service Delivery (Program-wise)<table><tr><th>Service Type</th><th>Beneficiaries</th></tr><tr><td>Rural Clinics</td><td>13,640</td></tr><tr><td>Mobile Health Care Units (MHCU)</td><td>16,226</td></tr><tr><td>Specialty Health Camps</td><td>5,253</td></tr><tr><td>General, Student & Eye Care Camps</td><td>3,848</td></tr><tr><td>Medical Support & Dialysis</td><td>2,204</td></tr><tr><td>Total Consultations</td><td>39,091</td></tr></table>	Indicator	Numbers	Total Medical Consultations Provided	39,091	Villages Covered (Health Interventions)	28+	Rural Clinics Operational	7 villages	Mobile Health Care Units (MHCU) Coverage	28 villages & fishing settlements	Total Healthcare Beneficiaries (Direct)	39,000+ persons	Service Type	Beneficiaries	Rural Clinics	13,640	Mobile Health Care Units (MHCU)	16,226	Specialty Health Camps	5,253	General, Student & Eye Care Camps	3,848	Medical Support & Dialysis	2,204	Total Consultations	39,091
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Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																													
			School Health & Preventive Care <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Students Participated in Health Awareness Sessions</td><td>711</td></tr><tr><td>Students Screened for Health Issues</td><td>1,093</td></tr><tr><td>Schools Covered under Health Programs</td><td>Multiple Government Schools</td></tr><tr><td>Vaccination Programs Conducted</td><td>Yes (TD Vaccination)</td></tr></table> Healthcare Infrastructure Strengthening <table><tr><th>Facility Type</th><th>Numbers</th></tr><tr><td>Primary Health Centres (PHCs) Supported</td><td>7</td></tr><tr><td>Sub-Centers Supported</td><td>42</td></tr><tr><td>Average Monthly OPD/IPD Supported</td><td>~45,000</td></tr><tr><td>Medical Equipment Supplied</td><td>Diagnostic & Essential Equipment</td></tr></table> Community Health Events Support <table><tr><th>Event</th><th>Beneficiaries</th></tr><tr><td>Bhagwat Katha – Medical Camp Beneficiaries</td><td>3,163+</td></tr><tr><td>Navratri Pilgrim Medical Camp</td><td>Conducted</td></tr><tr><td>Child Health Care Programme (Bidada Trust)</td><td>7,500 students</td></tr></table>	Indicator	Numbers	Students Participated in Health Awareness Sessions	711	Students Screened for Health Issues	1,093	Schools Covered under Health Programs	Multiple Government Schools	Vaccination Programs Conducted	Yes (TD Vaccination)	Facility Type	Numbers	Primary Health Centres (PHCs) Supported	7	Sub-Centers Supported	42	Average Monthly OPD/IPD Supported	~45,000	Medical Equipment Supplied	Diagnostic & Essential Equipment	Event	Beneficiaries	Bhagwat Katha – Medical Camp Beneficiaries	3,163+	Navratri Pilgrim Medical Camp	Conducted	Child Health Care Programme (Bidada Trust)	7,500 students
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	Sustainable Livelihood – Fisher folk, Agriculture & Women	Livelihood initiatives aimed at income enhancement, economic resilience, and self-reliance. ➤ Women Empowerment & SHGs ○ 15 women-led SHGs supported as micro-enterprises. ○ Total turnover: ₹3.27 crore ○ Total profit: ₹1.05 crore																													

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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			○ 150+ women direct beneficiaries. ○ Enterprises included food processing, cleaning services, stitching, handicrafts, beauty services, and agri-based activities. ➤ Anganwadi Outreach: Child–mother sessions on health, hygiene, nutrition & safety ➤ Mothers' Meetings: 325 no. women - Structured sessions on hygiene, nutrition, mental health & parenting ➤ Fisher Folk Community Programs: Sessions on menstrual health, anemia, mental health & adult education ➤ Artisan Card Support: 63 women - Artisan cards were provided to women to support livelihoods and recognize their skills. ➤ Training & Skill Development: 477 mothers - Training in beauty, mehendi, and handicrafts promoted women's skills and self-reliance. ➤ Job Sourcing: 305 candidates - Adani Foundation facilitated interview opportunities for community members, supporting access to employment. Fisherfolk & Coastal Livelihoods FY 2025-26 <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Fisherfolk Villages Covered</td><td>Coastal villages of Mundra & Mandvi</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr><tr><td>Students Provided Safe Transport</td><td>101</td></tr><tr><td>Scholarships Provided to Fisherfolk Students</td><td>31 students</td></tr><tr><td>Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisheries Scheme Linkages Facilitated</td><td>195 beneficiaries</td></tr></table>	Indicator	Numbers	Fisherfolk Villages Covered	Coastal villages of Mundra & Mandvi	Fisherfolk Students Supported (Education Kits)	95	Students Provided Safe Transport	101	Scholarships Provided to Fisherfolk Students	31 students	Scholarship Amount Disbursed	₹3,70,052	Fisheries Scheme Linkages Facilitated	195 beneficiaries
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		<table><tr><td>Mangrove Plantation Saplings (Livelihood Linked)</td><td>10,000 planted</td></tr><tr><td>Mangrove Nursery Saplings Developed</td><td>15,000</td></tr></table>	Mangrove Plantation Saplings (Livelihood Linked)	10,000 planted	Mangrove Nursery Saplings Developed	15,000	Social Inclusion Initiatives: • Adani Mangal Seva: ○ 500 married women with disabilities received ₹10 lakh fixed-deposit support each. ○ Ensured long-term financial security, dignity, and independence. • Divyang Support: ○ 1,774 persons with disabilities supported through mobility aids, livelihood tools, and education assistance. ○ 2,484 beneficiaries linked with government schemes, enabling ₹1.34 crore annual benefits. • Culture & Community Engagement: ○ Bhagwat Katha organized for 1,00,000+ participants, integrating medical camps, food distribution, and local economic opportunities. ○ Coastal clean-up drives, women's empowerment events, disability day celebrations, talent programs, and employee volunteering strengthened community bonding and cultural preservation. • <u>Agriculture & Animal Husbandry:</u> ○ 16,239 cattle benefited through vaccination, deworming, and veterinary services. ○ Over 3 million kg of fodder distributed during drought and summer months.
Mangrove Plantation Saplings (Livelihood Linked)	10,000 planted						
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Status of the conditions stipulated in Environment and CRZ Clearance

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			Drip irrigation support enabled farmers to reclaim barren land and improve crop productivity. <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered (Livestock Support)</td><td>24</td></tr><tr><td>Cattle Owners Benefitted</td><td>1,930</td></tr><tr><td>Total Cattle Benefitted</td><td>16,239</td></tr><tr><td>Veterinary Camps Conducted</td><td>7 villages</td></tr><tr><td>Dry Fodder Distributed</td><td>6,91,730 kg</td></tr><tr><td>Green Fodder Distributed</td><td>24,27,443 kg</td></tr><tr><td>Deworming Tablets Distributed</td><td>200+</td></tr><tr><td>Farmers Supported with Irrigation (Drip)</td><td>Selected farmers</td></tr><tr><td>Agricultural Water Storage Created</td><td>22,500+ cubic meters</td></tr></table> Digital & Financial Livelihood Enablement (Women)<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered (Digital Literacy)</td><td>16</td></tr><tr><td>Awareness Meetings Conducted</td><td>19</td></tr><tr><td>Rural Women Trained</td><td>1,000+</td></tr><tr><td>Topics Covered</td><td>Banking, savings, insurance, pensions, digital payments, fraud prevention</td></tr></table>	Indicator	Numbers	Villages Covered (Livestock Support)	24	Cattle Owners Benefitted	1,930	Total Cattle Benefitted	16,239	Veterinary Camps Conducted	7 villages	Dry Fodder Distributed	6,91,730 kg	Green Fodder Distributed	24,27,443 kg	Deworming Tablets Distributed	200+	Farmers Supported with Irrigation (Drip)	Selected farmers	Agricultural Water Storage Created	22,500+ cubic meters	Indicator	Numbers	Villages Covered (Digital Literacy)	16	Awareness Meetings Conducted	19	Rural Women Trained	1,000+	Topics Covered	Banking, savings, insurance, pensions, digital payments, fraud prevention
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		Education	Education is a core pillar of CSR interventions, focusing on access to quality learning, foundational skills, retention, and holistic child development. Adani Vidya Mandir, Bhadreswar (AVMB): - Provided free education to 685 students from underprivileged backgrounds.																														

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026	
			○ Achieved 100% SSC examination results. ○ Recognized as No.1 School in Kutch and accredited by NABET. ○ Strong emphasis on STEM education, digital learning, sports, co-curricular activities, and student well-being. • <u>AVMB: A Year of Outstanding Achievements:</u> ○ India School Merit Awards (Dec 15, 2025): AVMB was officially recognized as the "No. 1 School in Kutch" by Education Today. ○ Khel Mahakumbh District Honors (Dec 03, 2025): Vivan Hethwadiya secured 1st at the Taluka level and 2nd at the District level in the 50m race and Broad Jump. ○ National Level Arts Achievement (Aug 2025): The school's choir group won 1st Place in the Sanskrit Division at the 'Bharat Ko Jaano' regional competition. ○ National Shiksha Award 2025: AVMB received this award for its innovative teaching approach and contribution to social upliftment. ○ SSCE Excellence (2024-25): The school achieved 100% results in Class X, with two students scoring above 90%, reflecting strong academic monitoring and support. ○ State-Level Athletics Success (Jan 12, 2026): Vivaan Vala Hethwadiya (Class V) secured 7th place in the Under-11 State-Level 60m race, proudly representing the district. ○ Institutional Media Visibility (June 2025): The school received 19 media coverages (6 online, 13 offline) in a month, highlighting strong community engagement.

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			○ Literary Publication (Oct 18, 2025): Laksharajsinh Jadeja's (Class VIII) piece 'Friendship with a Diya' was featured in Kutch Mitra Junior, highlighting students' growing literary skills. ○ SSC Examination Centre Status: AVMB has been designated as an SSC Board Examination Centre, recognizing its strong infrastructure, integrity, and organizational capability. ● Project Utthan (Flagship Education Program): ○ Benefited 11,532 students across 81 government schools. ○ Improved Foundational Literacy and Numeracy (FLN) outcomes. ○ Strengthened parent-teacher-community engagement, especially participation of mothers. ○ Increased attendance and reduced learning gaps. Overall Education Coverage<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Students Benefited (Education Programs)</td><td>50,000+</td></tr><tr><td>Government & Foundation Schools Covered</td><td>82+</td></tr><tr><td>Villages Covered (Education Interventions)</td><td>61</td></tr></table> B. Adani Vidya Mandir, Bhadreshwar (AVMB)<table><tr><th>Parameter</th><th>Numbers</th></tr><tr><td>Total Students Enrolled</td><td>685</td></tr><tr><td>Classes Covered</td><td>Sr. KG to Class X</td></tr><tr><td>Teachers</td><td>27</td></tr></table>	Indicator	Numbers	Total Students Benefited (Education Programs)	50,000+	Government & Foundation Schools Covered	82+	Villages Covered (Education Interventions)	61	Parameter	Numbers	Total Students Enrolled	685	Classes Covered	Sr. KG to Class X	Teachers	27
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026	
		Sustainability	• Water Conservation: ○ Pond deepening, renovation of tanks, and rainwater harvesting structures. ○ Renovation of <i>Mamal Sagar</i> created 22,500+ cubic meters of water storage. ○ Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. • Enhancing Connectivity & Public Utilities: ○ Development of CC roads, pipe culverts, approach roads, open sheds, gaushala facilities, and fishermen settlement infrastructure improved mobility, supported livelihoods, and created more functional community spaces. • Upgrading Social Infrastructure: ○ Renovation of schools, community halls, crematoriums, sports areas, and health facilities strengthened access to education, healthcare, sanitation, and recreation—helping build more resilient rural communities. ○ Luni and Sadau open shed: The open shed development in Luni and Sadau will provide a safe and accessible space for community meetings and events, strengthening social interaction and long-term community well-being. ○ Bhadresar and Vovar common gathering shed: The development of common gathering shed in Bhadresar and Vovar will create a safe and inclusive space for community meetings and events, promoting social connection and community well-being. ○ Construction of CC road Nana Kapaya: The construction of the CC road in Nana Kapaya will improve safe access, ease daily movement, and support better connectivity for the community.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026	
			• Environmental Sustainability: ○ Biodiversity Enrichment: The presence of 78 bird species, 4 mammal species, and 12 insect and reptile species demonstrates strengthened biodiversity and healthier habitats. ○ Terrestrial Biodiversity Conservation: Through large-scale afforestation drives and community driven green programs, the Foundation has made a meaningful contribution to strengthening ecological balance and promoting long-term sustainability across multiple regions. Adani Foundation undertook afforestation activities covering an area of 8.0 hectares, planting 14,500 trees across Virā-Anjar, Varaniya, and Moti Khakhar villages during FY 2025–26.
		Skill Development	Skill development programs focused on employability, entrepreneurship, and financial inclusion. • Skill-Based & Cognitive Development Programs: ○ Mental Mathematics & Abacus: Specialized Abacus training provided to enhance speed, logical reasoning, and mathematical accuracy. ○ Activity-Based Learning (ABL): ABL uses subject-specific TLMs, from KG tools to senior science models, supporting experiential learning. ○ Digital Literacy Initiative: Consistent ICT training has enabled the use of AI-based tools in teaching, strengthening readiness for a tech-driven future. • Professional and Personal Growth of Sahayaks and Teachers: ○ Training sessions fostered professional skill development, emotional resilience,

Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026														
		and a stronger sense of purpose and connection with students. Digital & Financial Literacy: 1,000+ rural women trained across 16 villages. - Covered banking, insurance, pensions, digital payments, and fraud prevention. Women Training & Skill Development: - Total 477 nos. Of women trained for beauty services, mehendi, handicrafts, stitching, food processing, and enterprise management. Employment Facilitation: - Job sourcing and placement support provided. Divyang Skill Support (Swavlamban): - Skill kits, assistive devices, exam kits, and job support enabled self-reliance and social inclusion. Digital & Financial Literacy Programs <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered</td><td>16</td></tr><tr><td>Awareness Meetings Conducted</td><td>19</td></tr><tr><td>Rural Women Trained</td><td>1,000+</td></tr><tr><td>Key Topics Covered</td><td>Banking, savings, KYC, CIBIL score, ATM usage, deposits, pensions, insurance, digital payments, fraud prevention</td></tr></table> Women Skill Development & Employability <table><tr><th>Skill Development Area</th><th>Numbers</th></tr><tr><td>Women Trained (Beauty, Mehendi,</td><td>477 women</td></tr></table>	Indicator	Numbers	Villages Covered	16	Awareness Meetings Conducted	19	Rural Women Trained	1,000+	Key Topics Covered	Banking, savings, KYC, CIBIL score, ATM usage, deposits, pensions, insurance, digital payments, fraud prevention	Skill Development Area	Numbers	Women Trained (Beauty, Mehendi,	477 women
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Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026	
		Handicrafts, Stitching, Food Processing)	
		Artisan Cards Issued	63 women
		Employment Facilitation	
		Indicator	Numbers
		Job Sourcing / Placement Candidates	305
		Women Employed at Solar Projects (Cumulative)	522
		Job Fairs / Employment Events Supported	Conducted
		Skill Development for Divyang (Swavlamban)	
		Intervention	Numbers
		Divyang Beneficiaries Supported (Skill & Livelihood)	1,774
		Assistive Equipment Provided	252
		Neo-Motion Electric Vehicles Provided	48
		Competitive Exam Kits Provided	62
		Talent Hunt Participants	675
		Job Fair Beneficiaries (Divyang)	105
		Consolidated Skill Development Impact	
		Category	Numbers
		Total Skill Development Beneficiaries (Women, Youth, Divyang)	2,500+ persons
		Villages Impacted through Skill Programs	20+
		Skill Domains Covered	Digital finance, entrepreneurship, beauty services, handicrafts,

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																																																																
				stitching, employability, assistive technology																																																														
		Please refer Annexure - 2 for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR activities for the FY 2025-26 is to the tune of INR 1131.67 lakh. Out of which, Approx. INR 958.78 lakh has been spent during the year FY 2025-26.																																																																
ix	Relocation of the fishermen community if any shall be done strictly in accordance with the norms prescribed by the State Government.	Not Applicable The project was conceptualized in such a way that there are no fishermen settlements in the project proposal. Hence there is no relocation of fishermen communities required.																																																																
x	Marine ecology monitoring shall be done regularly during construction of breakwater and dredging /disposal operation.	Complied. Construction of breakwaters are completed. Maintenance dredging is ongoing activity. Marine monitoring is being carried out once a month by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct’25 to Mar’26 is mentioned below. Total Sampling Locations & frequency: 09 Nos. (Frequency: Once a month) <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>7.98</td><td>8.25</td><td>8.15</td><td>7.84</td><td>8.98</td><td>8.02</td></tr><tr><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>2.2</td><td>3.5</td><td>2.93</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>108</td><td>166</td><td>138</td><td>78</td><td>144</td><td>115.00</td></tr><tr><td>DO</td><td>mg/L</td><td>6.25</td><td>6.94</td><td>6.58</td><td>6.15</td><td>6.73</td><td>6.44</td></tr><tr><td>Salinity</td><td>ppt</td><td>35.44</td><td>36.75</td><td>35.85</td><td>36.17</td><td>37.26</td><td>36.67</td></tr><tr><td>TDS</td><td>mg/L</td><td>35116</td><td>36550</td><td>35658</td><td>35960</td><td>37160</td><td>36527</td></tr></table> *BDL – Below Detection Limit *MDL – Minimum Detection Limit Approx. INR 21.38 Lakh has been incurred for all environmental monitoring activities during FY 2025-26 for overall APSEZ.			Parameter	Unit	Surface			Bottom			Min	Max	Avg.	Min	Max	Avg.	pH	--	7.98	8.25	8.15	7.84	8.98	8.02	BOD (3 Days @ 27 °C)	mg/L	2.2	3.5	2.93	BDL (MDL 1.0)	BDL (MDL 1.0)	BDL (MDL 1.0)	TSS	mg/L	108	166	138	78	144	115.00	DO	mg/L	6.25	6.94	6.58	6.15	6.73	6.44	Salinity	ppt	35.44	36.75	35.85	36.17	37.26	36.67	TDS	mg/L	35116	36550	35658	35960	37160	36527
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		Marine monitoring for west port area is being carried out by Adani Power Limited (Mundra) (Pre-monsoon & Post-monsoon) through NABL accredited and MoEF&CC authorized agency namely M/s. UniStar Environment & Research Labs Pvt. Ltd. Monitoring reports are also enclosed as Annexure - 5. Summary of ecological parameters of M/s. Adani Power Limited, Mundra is given below: PHYTOPLANKTON DIVERSITY: Phytoplankton sampling was carried out at 5 stations. At each station, water samples were collected from surface and bottom waters. During the sampling period the phytoplankton population in the coastal waters of APL-Mundra, was more diverse during the post-monsoon season (December 2025) than pre-monsoon (February 2026). The overall phytoplankton abundance was also more during post-monsoon than the pre-monsoon season. The detailed species percentage composition reported during both sampling period is given in Annexure I and II. In December 2025, the phytoplankton community was represented with a total of 35 phytoplankton genera belonging to diatoms (30 genera) and dinoflagellates (5 genera). Overall, 32 phytoplankton genera representing diatoms (28 genera) and dinoflagellate (4 genera) reported during February 2026 sampling. Diatoms Species belonged to Amphora sp., Amphiprora sp., Asterionella sp., Bacillaria sp., Chaetoceros sp., Corethron sp., Coscinodiscus sp., Cyclotella sp., Cylindrotheca sp., Diploneis sp., Ditylum sp., Guinardia sp., Lauderia sp., Leptocylindrus sp., Lithodesmium sp., Navicula spp., Nitzschia spp., Melosira sp., Odontella sp., Pinnularia sp., Pleurosigma spp., Rhizosolenia sp., Streptotheca sp., Surirella sp., Stauroneis sp., Thalassionema sp., Thalassiosira sp., Thalassiothrix sp., Ceratium sp., Gonyaulax sp., Prorocentrum sp. and Protoperidinium sp. were common during both December 2025 and February 2026 samplings. The phytoplankton abundance in the study region was higher during the 222.6 to 375 cells x 10² L⁻¹ during December 2025 as compared to February 2026 (ranged from 191.1 to 305.5 cells x 10² L⁻¹). In December 2025, the highest phytoplankton abundance was observed at St-5 in the bottom water (378

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Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		cells x 10² L⁻¹). The lowest phytoplankton abundance (222.6 cells x 10² L⁻¹) was observed at St-2 in surface water. During February 2026, phytoplankton abundance was higher at St-5 in bottom water (305.5 cells x 10² L⁻¹) and lowest at St-3 surface water (191.1 cells x 10² L⁻¹). The diatom genera, Thalassiosira sp. (up to 69.0 cells x 10² L⁻¹) during December 2025 (Annexure I), whereas in February 2026, Chaetoceros sp. (up to 51.0 cells x 10² L⁻¹) was also predominant (Annexure II). The study shows that the marine water around was enriched with the diverse phytoplankton population during the sampling period. <u>BENTHIC DIVERSITY:</u> Subtidal region: The macrobenthic population study revealed large spatiotemporal variation with the benthic population during the study period. Overall, more macrobenthos abundance and biomass were reported at subtidal stations than at intertidal stations. The macrobenthic abundance and biomass were more during December 2025 than the February 2026 sampling. In December 2025, the macrobenthos density ranged from 733 no./m² to 1167 nos./m² at sampling stations (Table 7). The biomass of the macrobenthic community in the study region ranged from 1.8 g/ m² to 4.7 g/ m² in the study region. The maximum abundance and biomass of benthic microorganisms was reported at St-4 (1167 nos./m² and 2.0 g/m²). During February 2026, the macrobenthos density ranged from 600 to 934 nos./m². The macrobenthic biomass was ranged from 0.4 to 2.3 g/ m². In species composition (Annexure IV), Polychaete species (Phylum Annelida) belonging to the family Paraonidae, Pilargidae, Capitillidae, Cossuridae, Glyceridae, Ciratullidae, Nephthyida, Nereidae, Lumbriconeridae, Spionidae were abundant contributing ~67% to microbenthic population during December 2025. In February 2026, polychaete species contributed ~62% to macrobenthic population (Annexure IV). Overall, the presence of Polychaete, Amphipods, and Nemerteans suggest the availability of food organisms for benthic predators in the area. The macrobenthic population reported during both studies reveals that the large spatial

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		temporal variation with the benthic population could be due to the change in bottom substratum. Intertidal region: The sandy substratum with low organic matter affects the occurrence of the microbenthic community in the intertida region. In February 2026, the highest biomass was measured (0.3 g/m² to 0.8 g/m²) in the intertidal region. The highest density of macrobenthic organisms was reported at station IT-2 (LW) (272 nos./m²), whereas the lowest density was reported at Station IT-1 (HW) (192 nos./m²). During December 2025, the macrobenthic biomass was ranged from (0.4 to 0.7 g/m²). At IT-1 (LW) the higher macrobenthic population (304 nos./m²) and biomass (0.7 g/m²) was reported. No macrobenthic community was observed at St-3 (HW and LW) may be due to sandy sediment during both sampling periods. In species composition (Annexure V), Polychaete species dominated the macrobenthic population in the intertidal region.																																																												
xi	Regular Monitoring of air quality shall be done in the settlement areas around the Project site and appropriate safeguard measures shall be taken.	Complied. Ambient Air Quality and Noise monitoring are being carried out by NABL accredited and MoEF&CC authorized agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct’25 to Mar’26 is mentioned below: Air sampling locations & frequency: 13 nos. (twice a week including surrounding villages) <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>PM₁₀</td><td>µg/m³</td><td>42.39</td><td>85.00</td><td>66.30</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>12.13</td><td>39.87</td><td>26.81</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>10.42</td><td>37.11</td><td>23.29</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>8.14</td><td>42.52</td><td>27.73</td><td>80</td></tr><tr><td colspan="6">Noise</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>54.60</td><td>69.90</td><td>63.97</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>51.40</td><td>64.50</td><td>59.63</td><td>70</td></tr></table> \$ as per NAAQ standards, 2009	Parameter	Unit	Min	Max	Average	Perm. Limit ^{\$}	AAQM						PM ₁₀	µg/m ³	42.39	85.00	66.30	100	PM _{2.5}	µg/m ³	12.13	39.87	26.81	60	SO ₂	µg/m ³	10.42	37.11	23.29	80	NO ₂	µg/m ³	8.14	42.52	27.73	80	Noise						Noise	Unit	Leq Min	Leq Max	Leq Ave.	Leq Perm. Limit*	Day Time	dB(A)	54.60	69.90	63.97	75	Night Time	dB(A)	51.40	64.50	59.63	70
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026								
		* as per CC&A granted by GPCB Values recorded confirm the stipulated standards. Please refer to Annexure - 5 for detailed analysis reports. Approx. INR 21.38 Lakh has been incurred for all environmental monitoring activities during FY 2025-26 for overall APSEZ, Mundra. Ambient air quality monitoring in surrounding villages is being carried out by Adani Power (Mundra) Limited, Mundra through NABL accredited and MoEF&CC authorized agency namely M/s. UniStar Environment & Research Labs Pvt. Ltd. and monitoring reports of the same are also enclosed in Annexure - 5. The following safeguard measures are taken for abatement of dust / fugitive emissions. • Regular water sprinkling on road and other open areas • Regular cleaning of roads through mechanized equipment • Dry fog Dust Suppression System (DSS) in hopper, transfer towers and conveyor belts • Use of water mist canon • Closed type conveyor belts • Regular sprinkling on coal heaps with mechanized system • Covering other types of dry bulk cargo heaps • Installation of wind breaking wall • Development of greenbelt along the periphery of the storage yards/back up area • Mechanized handling system for coal and other dry bulk cargo • Wagon loading and truck loading through closed silo								
xii	Sewage arising in the Port area shall be disposed off after adequate treatment to conform to the standards stipulated by Gujarat State Pollution Control Board and shall be utilized / recycled for Gardening, Plantation and Irrigation.	Complied. Entire quantity of sewage generated is being treated in designated ETP / STP and treated sewage is used for Horticulture purposes. <table><tr><th>Location</th><th>Capacity</th><th>Quantity of Treated Water (Avg. from Oct'25 to Mar'26)</th><th>Type of ETP / STP</th></tr><tr><td>LT</td><td>265 KLD</td><td>149.53 KLD</td><td>Activated Sludge</td></tr></table>	Location	Capacity	Quantity of Treated Water (Avg. from Oct'25 to Mar'26)	Type of ETP / STP	LT	265 KLD	149.53 KLD	Activated Sludge
Location	Capacity	Quantity of Treated Water (Avg. from Oct'25 to Mar'26)	Type of ETP / STP							
LT	265 KLD	149.53 KLD	Activated Sludge							

Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026					
		West Port	55 KLD	13.63 KLD	FAB		
		Third party analysis of the treated water is being carried out once a month at ETP & twice in a month at West Port by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'25 to Mar'26 is mentioned below.					
		Industrial Effluent / Sewage (For ETP)					
		Parameter	Unit	Min	Max	Average	Perm. Limit [§]
		pH	--	6.81	7.39	7.04	6.5 – 8.5
		TSS	mg/L	46	88	63.67	100
		TDS	mg/L	596	1130	872.??	2100
		COD	mg/L	72.4	88.5	82.12	100
		BOD (3 Days @ 27°C)	mg/L	21	27	24.5	30
		Ammonical Nitrogen as NH ₃ -N	mg/L	18.4	34.5	27.13	50
Domestic Sewage (for STP)							
Parameter	Unit	Min	Max	Average	Perm. Limit [§]		
pH @ 25 ° C	--	6.20	7.72	7.13	5.5 to 9.0		
Total Suspended Solids	mg/L	10.00	18.00	14.83	20		
Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	5.00	9.40	7.40	10		
Fecal Coliform	MPN Index/100 ml	42.00	90.00	66.83	230 MPN/100 ml		
§ as per CC&A granted by GPCB Values recorded confirms to the stipulated standards.							
Monitoring and analysis of ETP and STP wastewater and treated water is also being carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD, Chlorides, and residual chlorine.							
Please refer to Annexure - 5 for detailed analysis reports.							

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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		Approx. INR 21.38 Lakh has been incurred for all environmental monitoring activities during FY 2025-26 for overall APSEZ, Mundra. It is also noted that GPCB is doing regular site inspection along with wastewater sampling and analysis. Last visit of the Regional Office, GPCB was done on 01/01/2026 for West Port. APSEZ has submitted the reply to the site visit report vide letter dated 08/01/2026. Acknowledgement copy and GPCB Lab Report is attached as Annexure – 6. Last visit of Regional Office, GPCB was done on 31.01.2025 for Main port and APSEZ has submitted the reply report vide letter dated 04/02/2025. Acknowledgement copy and GPCB Lab Report was submitted HYCR for the period Oct'24 to Mar'25.
xiii	Adequate Plantation shall be carried out along the roads of the Port premises and a green belt shall be developed.	Complied. APSEZ is taking measures/ steps for terrestrial greening as well as mangrove plantation. The species such as <i>Ficus Infectoria</i>, <i>Ficus religiosa</i>, <i>Terminalia arjuna</i>, <i>Cocos nucifera</i>, <i>Washingtonia fillifera</i>, <i>Casurina spp.</i>, <i>Azadirachta Indica</i>, <i>Eucalyptus spp.</i>, <i>Jatropha curacus</i>, <i>Ficus bengalensis</i>, <i>Subabool spp.</i>, <i>Casia fistula</i>, <i>Date Palm</i> and <i>Delonix regia</i> are grown within APSEZ area. Within the port areas approx. 189.41 ha of greenbelt having 461349 trees with the density of 2435 trees per hectare is developed till date within port premises. So, far APSEZ has developed 458.00 ha. area as greenbelt with plantation of more than 9.06 Lacs saplings within the APSEZ area. Please refer Annexure - 4 for further details regarding greenbelt development, mangrove afforestation and updated green belt development plan. Budget for Horticulture Department for the FY 2025-26 is to the tune of INR 831 lakh. Out of which, Approx. INR 570 lakh has been spent during the year FY 2025-26.

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Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
xiv	There shall be no withdrawal of Ground Water in CRZ area for this Project.	Complied. APSEZ does not draw any ground water for the water requirement. Present source of water for various project activities is desalination plant of APSEZ and/or water through Gujarat Water Infrastructure Limited (GWIL). Average water consumption for entire APSEZ area is 4.16 MLD during compliance period i.e. Oct'25 to Mar'26.
xv	Specific arrangements for rain water harvesting shall be made in the Project design and the rain water so harvested shall be optimally utilized. Details in this regard shall be furnished to this Ministry's Regional Office at Bhopal within 3 months.	Complied Groundwater recharge cannot be done at the project site since the entire project is in the intertidal / sub tidal areas. Rainwater within the project area is managed through storm water drainage. APSEZ have installed Rainwater recharge wells (4 Nos.) within our township to recharge ground water. Details of the same were submitted along with HYCR for the period Apr'19 to Sep'19. During FY 2025-26 Approx. 3.98 ML of rainwater has been recharged to increase the ground water table. APSEZ have also connected roof top rainwater duct of operational building (Tug berth building within MPT) with u/g water tank for utilization of collected rainwater for gardening / horticulture purpose. Details of the same were submitted along with EC Compliance report for the period Oct'18 to Mar'19. However, Adani Foundation – CSR arm of Adani Group has carried out rainwater harvesting activities in the nearby villages for benefit of the locals. 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.

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Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		Since 10 years considerable Water Conservation Work carried out in Mundra Taluka. Due to satisfactory rain in current year 1.11 m ground water table increased in coastal belt of Mundra as per Government Figures. Water Conservation Work Done during Compliance Period Oct'25 to Mar'26: - Renovation of Mamal Sagar created 22,500+ cubic meters of water storage. Benefiting 50+ farms and improving groundwater levels to strengthen local water security. - The Adani Foundation provided timely financial support that enabled the farmer to install a drip irrigation system on two acres—his first experience with modern irrigation. This reduced the risks of rain-fed farming, lowered costs, and ensured efficient water use even during dry periods. - Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. Water Conservation Projects completed earlier: ➤ Check Dam New/Renovation: - Structures: 30 - Water Capacity Increase: 1,072,332 CUM - Beneficiaries: 30,870 - Impact: Enhances water storage and irrigation. ➤ Rainwater Harvesting Structures (RRWHS): - Structures: 355 - Water Capacity Increase: 3,300,000 CUM - Beneficiaries: 1760 - Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ➤ Pond Deepening: - Structures: 145 - Water Capacity Increase: 1,028,403 CUM

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		○ Beneficiaries: 18,350 ○ 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. ➤ Developed 17 nos. of Adani Van Sites with planted 1.22 lac trees in 16 nearby villages. With the objective of preserving 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.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		Please refer to Annexure - 2 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 1,131.67 lakh. Out of which, Approx. INR 958.78 lakh has been spent during the year FY 2025-26.
xvi	Land Reclamation shall be carried out only to the extent that it is essential for this Project.	Complied. Out of approved reclamation area of 1138 ha for west port, 695 ha area is reclaimed and out of approved reclamation area of 700 ha for south port, 665 ha area is reclaimed. Details of the same were submitted along with HYCR for the period of Apr'17 to Sep'17 and there is no further change.
xvii	No Product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area.	Complied. No products other than those permissible in the CRZ Notification 1991 are stored in the CRZ area.
General Conditions		
i	Construction of Proposed structures, if any in the Coastal Regulation Zone area shall be undertaken meticulously confirming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 and its amendments. All the construction designs/ drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments/ Agencies.	Complied. All construction activities are carried out confirming to the existing rules and regulation and as per the CRZ notification. Further, the requisite permissions from Gujarat Maritime Board (GMB), for carrying out construction activities are taken from time to time. Details of the same are mentioned below: • Permission for starting construction work for South port vide letter no GMB/N/PVT/711/870 dated 26/02/2009. • Permission for starting construction work for West port vide letter no GMB/N/PVT/711/871 dated 26/02/2009. The copies of these letters were submitted along with HYCR for the period of Apr'16 to Sep'16. The project has been developed as per Consent to Establish (CtE) and Consent to Operate (CtO) granted by SPCB. The present in-force CtE & CtO are mentioned below.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																																																	
		<table><tr><th>S. No.</th><th>Permission</th><th>Project</th><th>Ref. No. / Order No.</th><th>Valid till</th></tr><tr><td>1</td><td>CtE – Amendment</td><td>LPG Terminal</td><td>PC/CCA-KUTCH-1437/GPCB ID-53331/587015</td><td>01.03.26</td></tr><tr><td>2</td><td>CtE – Amendment</td><td>WFDP</td><td>17739 / 15618</td><td>18.05.27</td></tr><tr><td>3</td><td>CC&A - Renewal</td><td>West Port – WFDP</td><td>AWH-113458</td><td>01.02.27</td></tr><tr><td>4</td><td>CC&A – Renewal</td><td>Mundra Port Terminal</td><td>AWH-117045</td><td>20.11.26</td></tr><tr><td>5</td><td>CC&A - Correction</td><td>Mundra Port Terminal</td><td>PC/CCA-KUTCH-39(8)/GPCB ID 17739/592900</td><td>20.11.26</td></tr><tr><td>6</td><td>CC&A - Renewal</td><td>LPG Terminal</td><td>PC/CCA-KUTCH-1437/PCB ID-53331/816485</td><td>27.06.2029</td></tr><tr><td>7</td><td>CC&A – Amendment</td><td>Mundra Port Terminal</td><td>WH-141598</td><td>20.11.2026</td></tr><tr><td>8</td><td>CC&A – Amendment</td><td>West Port – WFDP</td><td>WH-139724</td><td>01.02.2027</td></tr></table>					S. No.	Permission	Project	Ref. No. / Order No.	Valid till	1	CtE – Amendment	LPG Terminal	PC/CCA-KUTCH-1437/GPCB ID-53331/587015	01.03.26	2	CtE – Amendment	WFDP	17739 / 15618	18.05.27	3	CC&A - Renewal	West Port – WFDP	AWH-113458	01.02.27	4	CC&A – Renewal	Mundra Port Terminal	AWH-117045	20.11.26	5	CC&A - Correction	Mundra Port Terminal	PC/CCA-KUTCH-39(8)/GPCB ID 17739/592900	20.11.26	6	CC&A - Renewal	LPG Terminal	PC/CCA-KUTCH-1437/PCB ID-53331/816485	27.06.2029	7	CC&A – Amendment	Mundra Port Terminal	WH-141598	20.11.2026	8	CC&A – Amendment	West Port – WFDP	WH-139724	01.02.2027
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ii	Adequate provision for infrastructure facilities such as water supply, fuel, sanitation etc. shall be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.	Not applicable Most of the construction labours reside in the nearby villages where all basic facilities are easily available. There are no housing requirements for labours inside the project area.																																																	
iii	The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper	Complied. Monitoring of environmental attributes viz. Air, Water, Noise, Soil, etc. is being carried out on regular basis by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi and Approx.																																																	

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
	wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid waste, and noise level etc. must conform to the standards laid down by the competent authorities including the Central/ State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986, whichever are more stringent.	INR 21.38 Lakh is spent for all environmental monitoring activities during the FY 2025-26 for overall APSEZ, Mundra. Please refer Specific Conditions no. x, xi & xii for further details regarding environmental monitoring. <u>Liquid Effluent & Sewage</u> – It is being treated at decentralized treatment plants and treated water confirming the stipulated norms is being utilized for horticulture purposes within APSEZ. Please refer specific condition no xii above for details regarding the same. <u>Waste Management</u> – 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. <u>Non-Hazardous Solid Waste:</u> 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 in various categories. Presently manual sorting is being done for sorting of 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) by Confederation of Indian Industry (CII). (valid up to 22/12/2027). The copy of certificate was submitted along with HYCR for the period Oct'24 to Mar'25. <u>Hazardous & Other Waste:</u> Bio medical waste generated from OHCs and Adani Hospital is being disposed at Common Bio Medical Waste Treatment Facility namely M/s. Distromed Kutch Services

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		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 M/s. Sabnam Enterprise, Kutch and M/s. 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, 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, K Kasha Enterprises, Ahmedabad, Shana Oil Process, Ahmedabad & Jawrawala Petroleum, Ahmedaba. 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 was being sold to authorized recycler namely M/s. Mundra Oil Pvt. Ltd., Mundra for recycling. - Expired paint materials was 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 were 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 i.e. Oct'25 to Mar'26 there was no generation and disposal of Sludge & Filters contaminated with oil, Tank Bottom sludge, Asbestoses Waste, Glass wool Waste (Thermal Insulation

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																																								
		Material), Downgrade Chemicals, Waste Oil and Expired Paint Material. Horticulture waste is collected from various green belt areas and it is using for making of manure and the same is being utilized for horticulture purpose within APSEZ premises. Details of permissions / agreements of hazardous waste authorized vendors were submitted along with pervious half yearly EC Compliance Reports. And there is no further change. The following table summarizes the waste management practice (Oct'25 to Mar'26) for different types of waste at APSEZ: <table><tr><th>Type of Waste</th><th>Waste Description</th><th>Quantity (MT)</th><th>Disposal to/for</th></tr><tr><td rowspan="5">Hazardous Waste</td><td>ETP Sludge</td><td>NIL</td><td>Co-processing at cement industries</td></tr><tr><td>Discarded Containers / Barrels</td><td>1.17</td><td>Sell to registered recycler</td></tr><tr><td>Oily Cotton Waste</td><td>43.51</td><td>Co-processing at cement industries</td></tr><tr><td>Pig Waste</td><td>6.85</td><td>Co-processing at cement industries</td></tr><tr><td>Used / Spent / Waste Oil</td><td>80.73</td><td>Sell to registered recycler</td></tr><tr><td colspan="2">Hazardous Waste Total</td><td colspan="2">132.26</td></tr><tr><td rowspan="5">Non-Hazardous Waste</td><td>Glass Waste</td><td>12.39</td><td>After recovery sent for recycling / Reuse within premises</td></tr><tr><td>Horticulture Waste</td><td>766.87</td><td>Used for making of manure and utilize for horticulture purpose</td></tr><tr><td>Metal Scrap</td><td>275.4</td><td>After recovery sent for recycling / Reuse within premises</td></tr><tr><td>Organic / Food Waste</td><td>599.37</td><td>Converted to Manure for Horticulture use / Biogas for cooking purpose</td></tr><tr><td>Paper Waste</td><td>19.07</td><td>After recovery sent for recycling / Reuse within premises</td></tr></table>	Type of Waste	Waste Description	Quantity (MT)	Disposal to/for	Hazardous Waste	ETP Sludge	NIL	Co-processing at cement industries	Discarded Containers / Barrels	1.17	Sell to registered recycler	Oily Cotton Waste	43.51	Co-processing at cement industries	Pig Waste	6.85	Co-processing at cement industries	Used / Spent / Waste Oil	80.73	Sell to registered recycler	Hazardous Waste Total		132.26		Non-Hazardous Waste	Glass Waste	12.39	After recovery sent for recycling / Reuse within premises	Horticulture Waste	766.87	Used for making of manure and utilize for horticulture purpose	Metal Scrap	275.4	After recovery sent for recycling / Reuse within premises	Organic / Food Waste	599.37	Converted to Manure for Horticulture use / Biogas for cooking purpose	Paper Waste	19.07	After recovery sent for recycling / Reuse within premises
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026			
			Plastic Waste	67.03	After recovery sent for recycling / Reuse within premises
			RDF (Non-Recyclable Waste)	97.07	Co-processing at cement industries
			Rubber Waste	15.2	After recovery sent for recycling / Reuse within premises
			Wooden waste	73.78	After recovery sent for recycling / Reuse within premises
		Non-Hazardous Waste Total		1926.19	
		Other Waste	Bio Medical Waste	4.98	To approved CBWTF Site and registered recyclers
		Other Waste Total		4.98	
		Grand Total		2063.43	
iv	The Proponent shall obtain the requisite consents for discharge of effluents and emissions under the Water (Prevention and Control of pollution) Act, 1974 and the Air (Prevention and Control of pollution) Act, 1981 from the Gujarat Pollution Control Board before commissioning of the Project and copy of each of these shall be sent to this Ministry.	Complied. All construction activities were carried out confirming to the existing rules and regulations and as per the CRZ notification. Please refer to General condition no. i for permission granted from state pollution control board regarding the same.			
v	The sand dunes, corals, and mangroves, if any, on the site shall not be disturbed in any way.	Complied There are no sand dunes and corals at the project site. 1254 ha area identified as potential mangrove conservation is being conserved and there is no disturbance to the mangroves in this area. Please refer specific condition no. i above for details regarding the same.			
vi	A copy of the clearance letter will be marked to the concerned Panchayat /	Complied.			

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026																					
	Local NGO, if any from whom any suggestions /representations has been received while processing the proposal.	Copy of the clearance letter was marked to the concerned panchayats. A typical proof of the same submitted to Mundra village Panchayat on 21/03/2009 was submitted along with HYCR for the period Apr'16 to Sep'16.																					
vii	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall be no diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards shall be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.	Complied. Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget allocation is done accordingly. All the expenses are recorded in advanced accounting system of the organization. Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1108.1 lakh. Out of which, Approx. INR 1042.95 lakh are spent during the year FY 2025-26. Detailed breakup of the expenditure for the past 3 years is attached as Annexure - 7. Compliance report of EC conditions is uploaded regularly. A soft copy of last compliance report including results of monitoring data for the period of Apr'25 to Sep'25 was submitted through e-mail to Integrated Regional Office (IRO), MoEF&CC @ Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and Dept. of Forests & Env., Gandhinagar vide our letter dated 22/11/2025. The copy of the same is also available on APSEZ website https://www.adaniports.com/downloads as well as also uploaded on MoEF&CC Parivesh Portal dated 01/12/2025. Details regarding the past six compliance report submissions are mentioned below: <table border="1"> <thead> <tr> <th>Sr. no.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Oct'22 to Mar'23</td><td>30.05.2023</td></tr> <tr> <td>2.</td><td>Apr'23 to Sep'23</td><td>29.11.2023</td></tr> <tr> <td>3.</td><td>Oct'23 to Mar'24</td><td>29.05.2024</td></tr> <tr> <td>4.</td><td>Apr'24 to Sep'24</td><td>30.11.2024</td></tr> <tr> <td>5.</td><td>Oct'24 to Mar'25</td><td>30.05.2025</td></tr> <tr> <td>6.</td><td>Apr'25 to Sep'25</td><td>01.12.2025</td></tr> </tbody> </table>	Sr. no.	Compliance period	Date of submission	1.	Oct'22 to Mar'23	30.05.2023	2.	Apr'23 to Sep'23	29.11.2023	3.	Oct'23 to Mar'24	29.05.2024	4.	Apr'24 to Sep'24	30.11.2024	5.	Oct'24 to Mar'25	30.05.2025	6.	Apr'25 to Sep'25	01.12.2025
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
viii	Full support shall be extended to the Officers of this Ministry's Regional Office at Bhopal and the Officers of the Central and State Pollution Control Boards by the Project Proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental Protection activities.	Complied APSEZ is always extending full support to the regulatory authorities during their visit to the project site. All necessary documents are submitted as per the request of the visiting authorities. Last visit of the Regional Office, GPCB was done on 01/01/2026 for West Port. APSEZ has submitted the reply to the site visit report vide letter dated 08/01/2026. The acknowledgement copy of the same and GPCB Lab Report is attached as Annexure – 6. Last visit of Regional Office, GPCB was done on 31.01.2025 for Main port and APSEZ has submitted the reply report vide letter dated 04/02/2025. Acknowledgement copy of the same was submitted along with HYCR for the period Oct'24 to Mar'25. Inline to the compliance certification process of Environment Clearance condition of Waterfront Development Plan, RO, MoEF&CC Bhopal had visited the site on 27th & 28th January 2020 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer MoEF&CC). During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed. Inline to the compliance certification process of Consent to Operates of existing facilities developed under Waterfront Development Plan, RO, GPCB, Gandhidham had visited the site on 17th March, 2021 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer GPCB). During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed. Inline to the compliance of MoEF&CC Order dated 18th September, 2015, Joint Review Committee (JRC) comprising officials from various competent authorities visited the APSEZ, Mundra from 1st to 3rd September, 2021 to monitor the progress of implementation of the conditions stipulated in

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
		the order. APSEZ provided all requisite information and documents required by the JRC. As per the report received by MoEF&CC vide dated 01/12/2021, there was no non-compliance observed. Inline to the compliance certification process for getting Environment Clearance of Waterfront Development Plan, IRO-MoEF&CC Gandhinagar has lastly visited the site on 18th to 20th December, 2023 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer MoEF&CC). During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed. Copy of the same was submitted along with HYCR for the period Oct'23 to Mar'24. Inline to the compliance certification process of Environment Clearance for development of "Multi Product SEZ (6641.2784 Ha), Desalination, Sea Water Intake, Outfall Facility and Pipeline, IRO- MoEF&CC Gandhinagar has lastly visited the on 12th October, 2025 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer - MoEF&CC. During the said compliance verification visit and as per the compliance certification received on 25th November, 2025, there was no non-compliance observed.
ix	In case of deviation or alteration in the Project including the implementing agency, a fresh reference shall be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.	Complied. LNG terminal was initially approved under the Waterfront Development Project. However, the same has been developed by GSPC LNG Ltd. for which, separate EC and CRZ clearance has already been obtained from MoEF&CC by them. Copy of the same was submitted along with HYCR for the period Oct'16 to Mar'17. LPG terminal was initially approved under the Waterfront Development Project of Adani Ports and SEZ Limited and the same has been developed by M/s. Mundra LPG Terminal Pvt. Ltd., which is 100% subsidiary of APSEZ. Details of the same were submitted along with HYCR for the period of Oct'17 to Mar'18.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
x	The Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Point noted and agreed.
xi	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection which shall be complied with.	Complied As part of the directions given by MoEF&CC vide order dated 18th Sep, 2015, following studies were proposed. - Bathymetry & Topography study, preparation of plan for protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary. - A Regional Impact Assessment study to identify impacts of all the existing as well as proposed project activities in Mundra region. Please refer to Annexure B for further details regarding the mentioned studies.
xii	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the Project, one of which shall be in the vernacular language of the locality concerned informing that the Project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at the website of the Ministry of Environment & Forest at http://www.envforin.in . The advertisement shall be made within 7 days from	Complied. The original copy of the EC and CRZ clearance was obtained on 10/03/2009 and advertisement (containing informing that the EC and CRZ clearance is accorded to the proposed project and a copy of clearance letter is available with the SPCB and may also be seen at the website of MoEF&CC) was given in The Indian Express newspaper dated 18/03/2009. Copy of the same was submitted along with HYCR for the period Apr'16 to Sep'16.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
	the date of issue of the clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.	
xiii	The Project proponent shall inform the Regional Office at Bhopal as well as the Ministry the date of financial closure and final approval of the Project by the concerned authorities and the date of start of land development work.	Complied. APSEZ had informed the Regional Office of MoEF&CC at Bhopal as well as MoEF&CC, New Delhi regarding the date of financial closure and the date of start of land development work vide letter sent in August, 2009.
xiv	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 1997.	Point noted and agreed. This EC and CRZ clearance was challenged in National Environment Appellate Authority. In this matter, Order has also been passed in favor of APSEZ. Copy of the same was submitted along with HYCR for the period Oct'16 to Mar'17.
4.	The above mentioned stipulations will be enforced among others under the Water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act 1986, the Hazardous chemicals (Manufacture, Storage & Import) Rules 1989, the Coastal Regulation Zone Notification 1991 and its subsequent amendments and the Public Liability	Point noted and Agreed APSEZ is complying with all the conditions of the said rules and regulations mentioned in EC point no. 4. APSEZ has a valid insurance policy under PLI act 1991 as below. 1. APSEZ – Liquid Terminal: Valid till 14/05/2026 2. Mundra LPG Terminal Pvt. Ltd.: Valid till 22/07/2026 The copy of updated/renewed PLI policy of APSEZ – Liquid Terminal & Mundra LPG Terminal Pvt. Ltd was submitted along with HYCR Apr'25 to Sep'25.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2026
	Insurance Act 1991 and the rules made there under from time to time. The project proponent shall ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Gujarat state and the supreme court's order dated 18 April, 1996 in the writ petition No. 664 of 1993 to the extent the same are applicable to this proposal.	

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Status of CRZ Recommendation given by GCZMA for the Waterfront Development Project

ANNEXURE - A

CRZ Recommendation Compliance Report of WFDP

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
Specific Conditions		
1	The provisions of the CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by the MPSEZL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by the MPSEZL.	Complied. All construction and operation activities are being carried out in line with the CRZ recommendation and permissions granted.
2	All necessary permissions from different Government Departments/ agencies shall be obtained by the MPSEZL before commencing any activities.	Complied. Necessary permissions from competent authority have been obtained before commencing any activities. Please refer to condition no. i & iv of General Conditions of the EC & CRZ Clearance above.
3	All major creeks shall be protected and no reclamation shall be done in these creeks and entire development along the creek shall be done after carrying out detailed engineering with an objective of environmental protection including protection of all major creeks to ensure adequate free flow of water and drainage of rain water during rainy seasons.	Complied. All major creeks within the APSEZ area are protected. Please refer to specific condition no. iii of the EC and CRZ clearance for details regarding this point.
4	The project proponent shall conserve the 1254 ha. of area as committed and proposed in their master plan and shall carry out plantation of various mangrove species in the said area.	Complied. Mangrove conservation area of 1254 Ha is conserved as proposed in the master plan. Please refer to specific condition no. i of the EC and CRZ clearance for details regarding this point.
5	Massive mangroves plantation activity in at least 300 ha. area shall be carried out within a time frame of 5 years as committed by the project proponent. This would be in addition to the earlier commitment	Complied. Mangrove plantation is already completed during the year 2012-13. Please refer specific condition no. vii of the EC and CRZ clearance for further details.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
	for 1200 ha. of mangroves plantation.	
6	All major creeks shall be protected and no reclamation shall be done in these creeks and entire development along the creek shall be done after carrying out detailed engineering with an objective of environmental protection including protection of all major creeks to ensure adequate free flow of water and drainage of rain water during rainy seasons.	Complied. No effluent or sewage is discharged into the CRZ area. Please refer to specific condition no. xii of the EC and CRZ clearance for details regarding this point.
7	All the recommendations and suggestions given by NIO in their Environment Impact Assessment report for conservation / protection and betterment of environment shall be implemented strictly by MPSEZL.	Complied. Compliance report of environmental management plan and mitigation measures proposed as part of the EIA report is attached as Annexure - 8.
8	The construction and operational activities as well as dredging and reclamation activities shall be carried out in such a way that there is no negative impact on mangroves and other coastal /marine habitat except the proposed approx. 63 ha of area for which the compensation (300 ha.) is proposed.	Complied. All construction and operation activities as well as dredging and reclamation activities are being carried out as per approval. 1254 ha area identified as mangrove conservation area is being conserved by APSEZ. Please refer to specific condition no i of the EC and CRZ clearance for details regarding this point.
9	The construction activities and dredging shall be carried out under the supervision/monitoring of the NIO or any such institute of repute.	Complied. Construction activities were carried out in accordance with the Environmental Impact Assessment (EIA) study conducted by NIO, incorporating all recommended mitigation measures. All requisite approvals have been obtained from competent authorities, including GMB and GPCB. Government officials conduct periodic site inspections to ensure compliance with the conditions stipulated in these permissions. No

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
		capital dredging activities were carried out during the current compliance period. Please refer to conditions no. i, iv & viii of General Conditions of the EC & CRZ Clearance above.
10	The dredge material generated during capital dredging shall be used only for reclamation and that to be generated during maintenance dredging shall be disposed of at the place identified by NIO/CWPRS/WAPCOS through appropriate modeling and it shall be ensured that it does not create any negative impacts.	Complied. Entire quantity of dredged material is used for reclamation activities only; no disposal is carried out in the sea. No capital dredging activities are carried out during the current compliance period as a part of this clearance.
11	Necessary measures including the shore protection activities shall be undertaken to ensure that there are no erosion in surrounding area due to the proposed activities.	Complied. All dredging and reclamation activities are carried out as per EC and CRZ Clearance. For further details regarding the shoreline change study for the Mundra region, please refer specific condition no v of the EC and CRZ clearance.
12	The alignment of the jetties/berths and other structures shall be done after conducting the detailed modeling to ensure that there are no erosion and accretion in the region due to proposed activities.	Complied. Detailed hydrodynamic modeling was carried out by NIO during preparation of the EIA report. All construction activities are being carried out as per the outcome/recommendations of the modeling report. However, a detailed shoreline change assessment study was also carried out. Please refer to specific condition no. v of the EC and CRZ clearance for further details.
13	The MPSEZL shall contribute financially for any common study or project that may be proposed by this department for environment management / conservation / improvement for the Gulf of Kutchh.	Complied. There are two studies prescribed by MoEF&CC. For further details regarding the same, please refer to general condition no. xi of the EC and CRZ clearance.
14	The construction debris and /or any	Complied.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
	other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The construction is over and shall be disposed off in low lying areas in consultation with NIO, NEERI or any such institute of repute.	All construction and operation activities as well as dredging and reclamation activities are being carried out as per the EIA report prepared by NIO. The construction debris, if any, is being used for area development outside CRZ area. For details about management of other types of waste, please refer to general condition no. iii of the EC and CRZ clearance.
15	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labors.	Complied. Please refer to general condition no. ii of the EC and CRZ clearance for further details.
16	The MPSEZL shall regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency Plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.	Complied. Disaster Management Plan is updated regularly and the updated DMP was submitted along with HYCR for the period Apr'16 to Sep'16. On Site Emergency Response Plan and Crisis Management Plan is in place and implemented. The updated (Aug'23) Onsite emergency plan was submitted along with HYCR for the period Apr'23 to Sep'23. Oil spill contingency plan is in place to handle Tier 1 level oil spills considering different accident scenarios, and the vulnerable areas are identified, and mitigation plan is prepared. Oil spill contingency response plan is being updated on regular basis and the same was last updated in July 2025 is in place and implemented. The updated Oil spill contingency response plan was submitted along with HYCR for the period Apr'25 to Sep'25. For responding to oil spill, the Indian Coast Guard has

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
		developed the National Oil Spill Disaster Contingency Plan NOSDCP which has the approval of the Committee of Secretaries and has been in operation since 1996. Oil Spill Contingency Response Plan (OSCRP) prepared by APSEZ is in accordance with the NOSDCP. Latest Regional Level Pollution Response exercise "SWACHCHH SAMUDRA-NW 2025" was carried out by Indian Coast Guard on 11th - 12th Sep'25 at Off Vadinar, Gujarat. All participants from various Oil Handling Agencies and Stakeholders (M/S Adani Port & SEZ, Mundra, BPCL, HEML- Mundra, Indian Oil Corporation LTD, Jamnagar, M/S Nayara Energy LTD VOTL, Vadinar, M/S Reliance Industries LTD, Sikka Jamnagar, etc.) were participated in this exercise. Area level Mock drill is conducted regularly by HEML and APSEZ, Mundra participated with them Oil Spill Mock drill was conducted on 29/12/2025. The updated Oil Spill Mock Drill report is enclosed as Annexure - 9. The APSEZL Mundra participated in pollution response seminar, mock drill and table-top exercise-2026 organized by ICGS Jakhau on 10/03/ 2026. The report of the same is attached as Annexure - 10.
17	The MPSEZL shall participate and contribute for the Vessel Traffic Management System to be developed for the Gulf of Kutchh being developed.	Complied. A VTMS service for Gulf of Kutch is operated by Directorate General of Lighthouses and Lightships (DGLL), Govt. of India. APSEZ is practicing well defined traffic control procedure. Marine Control of APSEZ provides traffic updates to vessels in Mundra Port Limit on VHF Channel- 77 & 16. Arrival and departure information in Gulf of Kutch is provided to VTMS information cell through an agent or directly by sending an e-mail. Mundra port has subscribed and taking VTMS feed from Kandla from link www.vts.gov.in.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2026
18	The MPSEZL shall bear the cost of external agency that may be appointed by this Department for supervision/monitoring of proposed activities and the environmental impacts of the proposed activities.	Complied. There are two studies prescribed by MoEF&CC. For further details regarding the same, please refer to general condition no xi of the EC and CRZ clearance.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Annexure – B **Compliance Status of** **MoEF & CC Order dated** **18.09.2015**

Based on the report submitted by Sunita Narain committee, MoEF&CC issued a Show Cause Notice (SCN) to APSEZ vide their letter dated 30.09.2013. APSEZ replied to the SCN vide letter dated 14.10.2013. Further, an order (containing 10 directions) was issued by MoEF&CC vide their letter dated 18.09.2015. Compliance to these 10 directions is mentioned below.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
i	The proposal of extension of the validity of environmental clearance granted to the North Port vide letter dated 12.01.2009 will be considered separately at later stage.	Point Noted & Complied After receipt of this order, so far APSEZ has not done any application to MoEF&CC for the proposed North port. The expansion of Waterfront Development plan has been proposed excluding North Port area.
ii	Bocha island, ecologically sensitive geomorphological features and areas in the island and creeks around the island will be declared as conservation zone action plan for its conservation must be prepared. M/s. APSEZ should provide necessary financial assistance for this purpose.	Complied This reply covers condition no ii, iv and v. Based on the MoEF&CC directions,
iv	A comprehensive and integrated study and protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary, will be put in place. The plan will take note of all the conditions of approvals granted to all the project proponents in this area e.g. the reported case of disappearance of mangroves near navinal creek. The preservation of entire area to maintain the fragile ecological condition will be a part of the plan in relation to the creeks, mangrove conservation and conservation of bocha island up to baradimata and others.	1. APSEZ, vide letter dtd. 19th October 2015 had requested GCZMA, for consideration of project for finalization of ToR for NCSCM. 2. Project was considered on 28th GCZMA meeting, scheduled on 22nd April 2016, where ToR was discussed and agreed, upon. 3. APSEZ, vide its letter dtd. 25th April 2016, submitted the proposal to GCZMA along with Scope of work, as submitted by NCSCM. 4. Service Order was issued to NCSCM vide SO dtd. 29th Aug 2016. Cost of the study as per the NCSCM proposal was 315 Lakh and 100% of payment has already paid to NCSCM. 5. NCSCM has carried out number of site surveys during the period, February 2017 – April 2018 as per the defined scope 6. The study report was submitted to GCZMA (with a copy to MoEF&CC vide letter dated 04.06.2018) for their consideration and recommendation if any. 7. A reminder letter was submitted to GCZMA vide letter dated 4th Jan 2019. Details of above chronology were submitted along with HYCR for the period of Apr'19 to Sep'19.
v	NCSCM will prepare the plan in consultation with NIOT, PP and GCZMA. In recognition of the fact that the existing legal	The site survey carried out by NCSCM includes: 1. Bathymetry survey of creeks 2. Topography survey of intertidal areas 3. Mangrove survey (health and area demarcation)

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
	provisions under the E(P) Act 1986 do not provide for any authority to impose ERF by the government, the plan will be financed by the PP. the implementation will be carried out by GCZMA. The monitoring of the implementation will be carried by NCSCM.	4. Sampling of soil and water for analysis of physico-chemical and biological parameters 5. Tide and currents data collection (including residence time of tidal water) 6. Focus Group Discussions with the community in the close vicinity of the project area In addition to the site surveys, NCSCM has procured satellite images for analysis of mangrove cover. The data collected (through site surveys and analysis of satellite maps) was used as input for mathematical modelling. The modelling studies were carried out to understand the impacts of the development activities. Based on the outcome of the modelling studies the necessary conservation plan for protection of creeks and mangrove areas is prepared. Based on the final study report, outcome is summarized in to following points: 1. There is no obstruction to any water stream (creeks / branches of creeks / rivers) 2. Mundra has undergone substantial development during this tenure. Hence it can be interpreted that the infrastructure development has not left any adverse impacts on ecology. Complied. Construction activities are completed and project is in operation phase. As part of the directions given by MoEF&CC vides order dated 18th Sep, 2015, following studies were conducted. 3. NCSCM (MoEF&CC approved Government Agency) had carried out a study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
		As a part of mangrove conservation plan, APSEZ has done following activities. - To comply with the GCZMA recommendations dated 22nd Sep, 2020 regarding mangrove monitoring at every 2 years, presently APSEZ has entrusted NCSCM, Chennai to carry out the Monitoring of mangrove distribution in creeks in and around APSEZ with cost INR 45.87 Lakh from year 2021 to 2023. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is as per below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase from February 2021 and September 2023. - Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25. - Tidal observation in creeks in and around APSEZ – The cost incurred by APSEZ for the said activity was INR 1.0 Lacs incurred by APSEZ. - Algal & Prosopis removal from Mangrove area - The cost of the said activity was INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1. - Awareness of mangroves importance in surrounding

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026										
		communities & Fodder support - The expenditure for fodder supporting activities was approx. INR 431.52 Lakhs during FY 2025-26 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity. As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities. <table><tr><th>Sr. No.</th><th>Recommendations</th><th colspan="2">Compliance</th></tr><tr><td>1.</td><td>Mangrove mapping and monitoring in and around APSEZ</td><td colspan="2"> - APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase between February 2021 and September 2023. - Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was along with HYCR </td></tr></table>			Sr. No.	Recommendations	Compliance		1.	Mangrove mapping and monitoring in and around APSEZ	- APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase between February 2021 and September 2023. - Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was along with HYCR	
Sr. No.	Recommendations	Compliance										
1.	Mangrove mapping and monitoring in and around APSEZ	- APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase between February 2021 and September 2023. - Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was along with HYCR										

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026		
				for the period Apr'25 to Sep'25.
		2.	Tidal observation in creeks in and around APSEZ	- APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM. - The observed tidal ranges indicate that the creeks experience normal tidal ranges, adequate for the growth of mangroves. - The cost of the said activity was INR 1.0 Lacs.
		3.	Removal of Algal and Prosopis growth from mangrove areas	- Algal and Prosopis growth monitoring was done in and around mangrove area and algal encrustation was found in some of the mangrove areas, which has been removed manually. - The cost of the said activity was INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1.
		4.	Awareness of mangroves importance in surrounding communities	- Adani Foundation – CSR Arm of Adani group has done awareness camps/activities created in the community regarding importance of mangroves. Adani Foundation provides Good Quality dry and green fodder to 33 Villages. Dry Fodder 16,38,505 Kg Green Fodder – 62,05,521 Kg during Apr'25 to Mar'26. - Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. INR 431.52 Lakhs during FY 2025-26, which was incurred by APSEZ. Grass Land development: 213 acres of gauchar land has been cleaned and allocated for Grass land development with strong Community Contribution and Mobilization. - Other than this dedicated security guard with gate system deployed by APSEZ across the coastal area and no any unauthorized persons allowed within coastal as well as mangrove areas.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026																					
			APSEZ has celebrated the International Day for the Conservation of the Mangrove Ecosystem with coordination of Adani Foundation from 24th to 26th July 2024 to raise awareness of the importance of mangrove ecosystems as "a unique, special and vulnerable ecosystem". The report for the same was submitted along with HYCR for the period Apr'24 to Sep'24. Refer CSR report attached as Annexure – 2. A Regional Impact Assessment study through Chola MS, Chennai (NABET accredited consultant) to identify impacts of all the existing as well as proposed project activities in Mundra region inline to ToR issued by GCZMA. The cost of said study was INR 1.3 Cr, which was incurred by APSEZ.																				
iii	The violations of specific condition of all the ECs and CRZ clearances, if any, will be examined and proceeded with the provisions of EP Act, 1986 independently.	Complied During the said site visits from various regulatory authorities and as per the compliance certification received, there was no non-compliance observed. <table><tr><th>Sr. No.</th><th>Authority</th><th>Date of Visit</th><th>Purpose of Visit</th></tr><tr><td>1</td><td>RO, MoEF&CC, Bhopal</td><td>21st – 22nd Dec, 2016</td><td>EC Compliance Certification of WFDP</td></tr><tr><td>2</td><td>RO, MoEF&CC, Bhopal</td><td>3rd May, 2018</td><td>EC Compliance Certification of WFDP & MSEZ</td></tr><tr><td>3</td><td>RO, MoEF&CC, Bhopal</td><td>3rd & 4th Sep, 2019</td><td>Compliance of the order of the Hon'ble HIGH COURT of Gujarat vide letter dated 22nd Aug. 2019 w.r.t. compliance verification of MoEF&CC order dated 18th Sep, 2015.</td></tr><tr><td>4</td><td>RO, MoEF&CC, Bhopal</td><td>27th & 28th Jan, 2020</td><td>EC Compliance Certification of WFDP</td></tr></table>		Sr. No.	Authority	Date of Visit	Purpose of Visit	1	RO, MoEF&CC, Bhopal	21 st – 22 nd Dec, 2016	EC Compliance Certification of WFDP	2	RO, MoEF&CC, Bhopal	3 rd May, 2018	EC Compliance Certification of WFDP & MSEZ	3	RO, MoEF&CC, Bhopal	3 rd & 4 th Sep, 2019	Compliance of the order of the Hon'ble HIGH COURT of Gujarat vide letter dated 22 nd Aug. 2019 w.r.t. compliance verification of MoEF&CC order dated 18 th Sep, 2015.	4	RO, MoEF&CC, Bhopal	27 th & 28 th Jan, 2020	EC Compliance Certification of WFDP
Sr. No.	Authority	Date of Visit	Purpose of Visit																				
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2	RO, MoEF&CC, Bhopal	3 rd May, 2018	EC Compliance Certification of WFDP & MSEZ																				
3	RO, MoEF&CC, Bhopal	3 rd & 4 th Sep, 2019	Compliance of the order of the Hon'ble HIGH COURT of Gujarat vide letter dated 22 nd Aug. 2019 w.r.t. compliance verification of MoEF&CC order dated 18 th Sep, 2015.																				
4	RO, MoEF&CC, Bhopal	27 th & 28 th Jan, 2020	EC Compliance Certification of WFDP																				

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
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Sr. No.	Condition	Compliance Status as on 31-03-2026			
		5	SPCB, Gandhinagar	17 th March, 2021	CC&A Compliance Certification of existing facilities developed under WFDP
		6	Joint Review Committee	1 st to 3 rd Sep, 2021	Compliance of the order of the Hon'ble HIGH COURT of Gujarat vide letter dated 22 nd Aug. 2019 w.r.t. compliance verification of MoEF&CC order dated 18 th Sep, 2015.
		7	IRO, MoEF&CC, Gandhinagar	18 th – 20 th Dec, 2023	EC Compliance Certification of WFDP. During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed. Copy of submitted CCR & action taken report w.r.t. certified compliance was submitted along with HYCR for the period Oct'23 to Mar'24.
		8	NIIST, Thiruvananthapuram	7 th & 8 th Apr-2025	EC Compliance verification site visit of MSEZ for the period Apr'24 to Sep'24. Copy of EC compliance verification certificate was submitted along with HYCR for the period Oct'24 to Mar'25.
		9	IRO, MoEF&CC, Gandhinagar	12 th October, 2025	EC Compliance Certification for development of "Multi Product SEZ (6641.2784 Ha). During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed.

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					compliance observed.
		It may also be noted that GPCB, Regional Office does regular site visit of APSEZ area and no non-compliance observed. Last visit of the Regional Office, GPCB was done on 01/01/2026 for West Port. APSEZ has submitted the reply to the site visit report vide letter dated 08/01/2026. Acknowledgement copy and GPCB Lab Report is attached as Annexure – 6. Last visit of Regional Office, GPCB was done on 30/01/2025 for Main port and APSEZ has submitted the reply report vide letter dated 04/02/2025. Acknowledgement copy was submitted along with HYCR for the period Oct'24 to Mar'25.			
vi	There will be no development in the area restricted by the High court of Gujarat. APSEZ shall abide by the outcome of the PIL 12 of 2011 and other relevant cases.	Complied The order passed by Hon' ble high court in context of PIL 12 of 2011 vide dated 10th Nov 2011. Subject PIL has been disposed off by Hon'ble High Court vide their order dated 17/04/2015 and now there is no restriction on development in the subject area. The order reads as <i>"In view of the aforesaid discussion, we do not find any merit in this writ petition. This writ petition fails and is accordingly dismissed. No order as to cost."</i> Copy of the order was submitted along with HYCR for the period Apr'18 to Sep'18. Considering the above status and in line to submission of compliance of all the directions under this order, this condition is closed.			
vii	APSEZ will submit specific action plan to protect the livelihood of fishermen along with budget.	Complied. Adani Foundation (AF) is the CSR arm of the Adani Group actively working for upliftment of the communities in the surroundings of various project sites of Adani Group. AF has prepared a specific action plan to protect livelihood of fishermen at Mundra.			

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		Various initiatives, as stated below are discussed in detail in the report namely "Silent Transformation of Fisher folk at Mundra". Said report also includes the information related to the planned expenses to the tune of approx. INR 13.5 Cr. for various initiatives for the next five years (2016 – 2021) (Budget details provided in Page No. 68 of report). Copy of the same is already submitted to MoEF&CC vide our letter dated 10.09.2016. Till, Mar'26 approx. 17.35 Cr. INR, has already been invested fisherfolk livelihood. Further, details regarding the expenditure incurred against the commitment are attached as Annexure - 11. APSEZ is carrying out various initiatives specific to the Fisherfolk community during compliance period which includes: <u>Fishermen livelihood development activities during FY 2025-26:</u> ➤ Women Empowerment & SHGs ○ 15 women-led SHGs supported as micro-enterprises. ○ Total turnover: ₹3.27 crore ○ Total profit: ₹1.05 crore ○ 150+ women direct beneficiaries. ○ Enterprises included food processing, cleaning services, stitching, handicrafts, beauty services, and agri-based activities. ➤ Anganwadi Outreach: Child–mother sessions on health, hygiene, nutrition & safety ➤ Mothers' Meetings: 325 no. women -Structured sessions on hygiene, nutrition, mental health & parenting. ➤ Fisher Folk Community Programs: Sessions on menstrual health, anemia, mental health & adult education

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		➤ Artisan Card Support: 63 women - Artisan cards were provided to women to support livelihoods and recognize their skills. ➤ Training & Skill Development: 477 mothers - Training in beauty, mehendi, and handicrafts promoted women’s skills and self-reliance. ➤ Job Sourcing: 305 candidates - Adani Foundation facilitated interview opportunities for community members, supporting access to employment. Fisherfolk & Coastal Livelihoods FY 2025-26<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Fisherfolk Villages Covered</td><td>Coastal villages of Mundra & Mandvi</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr><tr><td>Students Provided Safe Transport</td><td>101</td></tr><tr><td>Scholarships Provided to Fisherfolk Students</td><td>31 students</td></tr><tr><td>Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisheries Scheme Linkages Facilitated</td><td>195 beneficiaries</td></tr><tr><td>Mangrove Plantation Saplings (Livelihood Linked)</td><td>10,000 planted</td></tr><tr><td>Mangrove Nursery Saplings Developed</td><td>15,000</td></tr></table> Social Inclusion Initiatives: • Adani Mangal Seva: ○ 500 married women with disabilities received ₹10 lakh fixed-deposit support each. ○ Ensured long-term financial security, dignity, and independence. • Divyang Support: ○ 1,774 persons with disabilities supported through mobility aids, livelihood tools, and education assistance.	Indicator	Numbers	Fisherfolk Villages Covered	Coastal villages of Mundra & Mandvi	Fisherfolk Students Supported (Education Kits)	95	Students Provided Safe Transport	101	Scholarships Provided to Fisherfolk Students	31 students	Scholarship Amount Disbursed	₹3,70,052	Fisheries Scheme Linkages Facilitated	195 beneficiaries	Mangrove Plantation Saplings (Livelihood Linked)	10,000 planted	Mangrove Nursery Saplings Developed	15,000
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		○ 2,484 beneficiaries linked with government schemes, enabling ₹1.34 crore annual benefits. ● Culture & Community Engagement: ○ Bhagwat Katha organized for 1,00,000+ participants, integrating medical camps, food distribution, and local economic opportunities. ○ Coastal clean-up drives, women's empowerment events, disability day celebrations, talent programs, and employee volunteering strengthened community bonding and cultural preservation. ● Agriculture & Animal Husbandry: ○ 16,239 cattle benefited through vaccination, deworming, and veterinary services. ○ Over 3 million kg of fodder distributed during drought and summer months. ○ Drip irrigation support enabled farmers to reclaim barren land and improve crop productivity. <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered (Livestock Support)</td><td>24</td></tr><tr><td>Cattle Owners Benefitted</td><td>1,930</td></tr><tr><td>Total Cattle Benefitted</td><td>16,239</td></tr><tr><td>Veterinary Camps Conducted</td><td>7 villages</td></tr><tr><td>Dry Fodder Distributed</td><td>6,91,730 kg</td></tr><tr><td>Green Fodder Distributed</td><td>24,27,443 kg</td></tr><tr><td>Deworming Tablets Distributed</td><td>200+</td></tr><tr><td>Farmers Supported with Irrigation (Drip)</td><td>Selected farmers</td></tr><tr><td>Agricultural Water Storage Created</td><td>22,500+ cubic meters</td></tr></table> Digital & Financial Livelihood Enablement (Women) <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered (Digital Literacy)</td><td>16</td></tr></table>	Indicator	Numbers	Villages Covered (Livestock Support)	24	Cattle Owners Benefitted	1,930	Total Cattle Benefitted	16,239	Veterinary Camps Conducted	7 villages	Dry Fodder Distributed	6,91,730 kg	Green Fodder Distributed	24,27,443 kg	Deworming Tablets Distributed	200+	Farmers Supported with Irrigation (Drip)	Selected farmers	Agricultural Water Storage Created	22,500+ cubic meters	Indicator	Numbers	Villages Covered (Digital Literacy)	16
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		Awareness Meetings Conducted	19
		Rural Women Trained	1,000+
		Topics Covered	Banking, savings, insurance, pensions, digital payments, fraud prevention
		Vidya Deep Yojana: Developing school preparedness programme and empowering balwadis at fisherfolk settlement. Under this scheme, 4 balwadis at different settlements have been constructed. This programme includes nutrition food, hygiene, awareness of health, cleanliness, discipline, regularity and development of basic age appropriate conception Youth employment: Our main objective is to offer sustainable employment opportunities to the local fishing community in APSEZ Mundra. We bridge the gap between industries and Fisherfolk youth by facilitating job placements. 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. Vidya Sahay Yojana – Scholarship Support: All basic education supportive facilities have been created to promote education in the fisherfolk community. We are deeply committed to empowering the future of fisherfolk communities through education. To uplift financially challenged communities, we extended scholarships support of Rs. 3,58,765 to 35 students, enabling them to pursue higher secondary and technical education. Education Kits Support: Equipping 88 fisherfolk students in HSC and Graduation with essential tools for academic success, including notebooks, guides, stationery and study bags, we empower them to pursue their education with no financial barriers. Vehicle Transportation Facilities: Ensure seamless access to education for 121 school-going children from Modhva, Tragadi, and Zarpara Bandar Fisherfolk Students in reaching the nearest School, eliminating barriers to regular attendance. Additionally, personal cycle support to 5 fisherfolk students. Adani Vidya Mandir Children of the family with an income of salary less than 1.5 lac/annum are admitted.School focusses on nutrition food, uniform and other services to the children for free. Fisherman Approach in SEZ	

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		After due consultative process, APSEZ has provided 7 fishermen access roads for to approach to the sea for fishing activity. Machhimar Arogya Yojana The Fisher folk communities are disposed to several water and air abided diseased due to exposure to unhygienic working conditions. Frequently Special Healthcare Camps are organized at Vasahat. Our Mobile health care unit van regularly visit fisherfolk settlements. Awareness camp on Menstrual health: A menstrual health awareness camp was organized for 200+ women from the fishing communities of Modhva and Tragadi villages. Machhimar Kaushalya Vardhan Yojana Based on need assessment a number of trades were introduced through the Adani Skill Development Centre in Mundra, where in fisher folk youth could join and get a number of technical and non-technical training Machhimar Sadhan Sahay Yojana Fishing material support was provided by AF at Mundra as per the requests of Pagadiya fishermen. According to their needs, fishing nets, ropes, buoys, ice boxes, crates, weighing scales, anchors, solar lights etc., were provided. Machhimar Awas Yojana Shelters, equipped with basic facilities of a toilet. and pure drinking water has been constructed for living while fishing and to provide a healthy and hygienic residence. Machhimar Shudhh Jal Yojana This scheme of providing potable water has helped in reducing the drudgery of women and contributed largely towards general wellbeing. 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 with daily water tanker support. ❖ Sughad Yojana Toilets for men and women are constructed at all three Vasahats. Infrastructure was accompanied with continuous awareness campaign on hygiene sanitation and use of toilets in particular. ❖ Machhimar Akshay kiran Yojana Solar street lights at each settlement have been installed. For fish landing shed and school extension room have been fitted with solar invertor allowing late evening video shows for awareness and fish sorting work at ease. ❖ Machhimar Suraksha Yojana Distance Alarm Transmission System – DATS' project was introduced in order to promote safety of the

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		fishermen. Forced to be at sea to earn their livelihood puts the lives of many fishermen at risk. ❖ Machhimar Ajivika Uparjan Yojana Mangrove plantation in the area as means of alternate income generating activity for the fisher folk community during the non-fishing months. During the non-fishing months, the fishermen under usual circumstances were benefited by other alternate economic activity to sustain them. ❖ Bandar Svachhata Yojana Waste bins have been provided for proper collection and segregation of waste. Further, APSEZ is actively working with local community around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation. Adani Foundation is working in main five persuasions as below. ❖ Education ❖ Community Health ❖ Rural Infrastructure ❖ Sustainability Livelihood ❖ Skill Development Brief information about activities in the main five persuasions is mentioned below. <table><tr><th>CSR</th><th>Activity</th></tr><tr><td>Community Health</td><td> The Foundation adopted a preventive and primary healthcare approach to ensure affordable access for rural and economically vulnerable populations. • 39,091 medical consultations delivered through: ○ Rural clinics in 7 villages ○ Mobile Health Units covering 28 villages and fishing settlements ○ General, specialty, eye-care, and student health camps • Cataract Free Mundra Initiative restored eyesight and livelihood capability through timely surgeries. </td></tr></table>	CSR	Activity	Community Health	The Foundation adopted a preventive and primary healthcare approach to ensure affordable access for rural and economically vulnerable populations. • 39,091 medical consultations delivered through: ○ Rural clinics in 7 villages ○ Mobile Health Units covering 28 villages and fishing settlements ○ General, specialty, eye-care, and student health camps • Cataract Free Mundra Initiative restored eyesight and livelihood capability through timely surgeries.
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		- Health screenings, vaccination programs, and hygiene awareness sessions conducted in schools. - Medical equipment supplied to 7 PHCs and 42 sub-centers, improving rural healthcare infrastructure. Overall Healthcare Reach<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Medical Consultations Provided</td><td>39,091</td></tr><tr><td>Villages Covered (Health Interventions)</td><td>28+</td></tr><tr><td>Rural Clinics Operational</td><td>7 villages</td></tr><tr><td>Mobile Health Care Units (MHCU) Coverage</td><td>28 villages & fishing settlements</td></tr><tr><td>Total Healthcare Beneficiaries (Direct)</td><td>39,000+ persons</td></tr></table> Healthcare Service Delivery (Program-wise)<table><tr><th>Service Type</th><th>Beneficiaries</th></tr><tr><td>Rural Clinics</td><td>13,640</td></tr><tr><td>Mobile Health Care Units (MHCU)</td><td>16,226</td></tr><tr><td>Specialty Health Camps</td><td>5,253</td></tr><tr><td>General, Student & Eye Care Camps</td><td>3,848</td></tr><tr><td>Medical Support & Dialysis</td><td>2,204</td></tr><tr><td>Total Consultations</td><td>39,091</td></tr></table> School Health & Preventive Care<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Students Participated in Health Awareness Sessions</td><td>711</td></tr><tr><td>Students Screened for Health Issues</td><td>1,093</td></tr><tr><td>Schools Covered under Health Programs</td><td>Multiple Government Schools</td></tr><tr><td>Vaccination Programs Conducted</td><td>Yes (TD Vaccination)</td></tr></table> Healthcare Infrastructure Strengthening<table><tr><th>Facility Type</th><th>Numbers</th></tr></table>	Indicator	Numbers	Total Medical Consultations Provided	39,091	Villages Covered (Health Interventions)	28+	Rural Clinics Operational	7 villages	Mobile Health Care Units (MHCU) Coverage	28 villages & fishing settlements	Total Healthcare Beneficiaries (Direct)	39,000+ persons	Service Type	Beneficiaries	Rural Clinics	13,640	Mobile Health Care Units (MHCU)	16,226	Specialty Health Camps	5,253	General, Student & Eye Care Camps	3,848	Medical Support & Dialysis	2,204	Total Consultations	39,091	Indicator	Numbers	Students Participated in Health Awareness Sessions	711	Students Screened for Health Issues	1,093	Schools Covered under Health Programs	Multiple Government Schools	Vaccination Programs Conducted	Yes (TD Vaccination)	Facility Type	Numbers
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			Primary Health Centres (PHCs) Supported	7	
			Sub-Centers Supported	42	
			Average Monthly OPD/IPD Supported	~45,000	
			Medical Equipment Supplied	Diagnostic & Essential Equipment	
			Community Health Events Support		
	Sustainable Livelihood – Fisher folk, Agriculture & Women	Livelihood initiatives aimed at income enhancement, economic resilience, and self-reliance. ➤ Women Empowerment & SHGs ○ 15 women-led SHGs supported as micro-enterprises. ○ Total turnover: ₹3.27 crore ○ Total profit: ₹1.05 crore ○ 150+ women direct beneficiaries. ○ Enterprises included food processing, cleaning services, stitching, handicrafts, beauty services, and agri-based activities. ➤ Anganwadi Outreach: Child–mother sessions on health, hygiene, nutrition & safety ➤ Mothers’ Meetings: 325 no. women - Structured sessions on hygiene, nutrition, mental health & parenting ➤ Fisher Folk Community Programs: Sessions on menstrual health, anemia, mental health & adult education ➤ Artisan Card Support: 63 women - Artisan cards were provided to women to support livelihoods and recognize their skills. ➤ Training & Skill Development: 477 mothers - Training in beauty, mehendi, and handicrafts promoted women’s skills and self-reliance.			

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		➤ Job Sourcing: 305 candidates - Adani Foundation facilitated interview opportunities for community members, supporting access to employment. Fisherfolk & Coastal Livelihoods FY 2025-26 <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Fisherfolk Villages Covered</td><td>Coastal villages of Mundra & Mandvi</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr><tr><td>Students Provided Safe Transport</td><td>101</td></tr><tr><td>Scholarships Provided to Fisherfolk Students</td><td>31 students</td></tr><tr><td>Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisheries Scheme Linkages Facilitated</td><td>195 beneficiaries</td></tr><tr><td>Mangrove Plantation Saplings (Livelihood Linked)</td><td>10,000 planted</td></tr><tr><td>Mangrove Nursery Saplings Developed</td><td>15,000</td></tr></table> Social Inclusion Initiatives: • Adani Mangal Seva: ○ 500 married women with disabilities received ₹10 lakh fixed-deposit support each. ○ Ensured long-term financial security, dignity, and independence. • Divyang Support: ○ 1,774 persons with disabilities supported through mobility aids, livelihood tools, and education assistance. ○ 2,484 beneficiaries linked with government schemes, enabling ₹1.34 crore annual benefits. • Culture & Community Engagement: ○ Bhagwat Katha organized for 1,00,000+ participants, integrating medical camps, food distribution, and local economic opportunities. ○ Coastal clean-up drives, women's empowerment events, disability day celebrations, talent programs, and	Indicator	Numbers	Fisherfolk Villages Covered	Coastal villages of Mundra & Mandvi	Fisherfolk Students Supported (Education Kits)	95	Students Provided Safe Transport	101	Scholarships Provided to Fisherfolk Students	31 students	Scholarship Amount Disbursed	₹3,70,052	Fisheries Scheme Linkages Facilitated	195 beneficiaries	Mangrove Plantation Saplings (Livelihood Linked)	10,000 planted	Mangrove Nursery Saplings Developed	15,000
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	Education		Education is a core pillar of CSR interventions, focusing on access to quality learning, foundational skills, retention, and holistic child development. Adani Vidya Mandir, Bhadreswar (AVMB): - Provided free education to 685 students from underprivileged backgrounds. - Achieved 100% SSC examination results.																														

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Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026	
			- Recognized as No. 1 School in Kutch and accredited by NABET. - Strong emphasis on STEM education, digital learning, sports, co-curricular activities, and student well-being. • AVMB: A Year of Outstanding Achievements: India School Merit Awards (Dec 15, 2025): AVMB was officially recognized as the "No. 1 School in Kutch" by Education Today. Khel Mahakumbh District Honors (Dec 03, 2025): Vivan Hethwadiya secured 1st at the Taluka level and 2nd at the District level in the 50m race and Broad Jump. National Level Arts Achievement (Aug 2025): The school's choir group won 1st Place in the Sanskrit Division at the 'Bharat Ko Jaano' regional competition. National Shiksha Award 2025: AVMB received this award for its innovative teaching approach and contribution to social upliftment. SSCE Excellence (2024-25): The school achieved 100% results in Class X, with two students scoring above 90%, reflecting strong academic monitoring and support. State-Level Athletics Success (Jan 12, 2026): Vivaan Vala Hethwadiya (Class V) secured 7th place in the Under-11 State-Level 60m race, proudly representing the district. Institutional Media Visibility (June 2025): The school received 19 media coverages (6 online, 13 offline) in a month, highlighting strong community engagement. Literary Publication (Oct 18, 2025): Laksharajsinh Jadeja's (Class VIII) piece 'Friendship with a Diya' was featured in Kutch Mitra Junior, highlighting students' growing literary skills. SSC Examination Centre Status: AVMB has been designated as an SSC Board Examination Centre, recognizing its strong infrastructure, integrity, and organizational capability.

Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Condition	Compliance Status as on 31-03-2026																																	
			- Project Utthan (Flagship Education Program): - Benefited 11,532 students across 81 government schools. - Improved Foundational Literacy and Numeracy (FLN) outcomes. - Strengthened parent-teacher-community engagement, especially participation of mothers. - Increased attendance and reduced learning gaps. Overall Education Coverage <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Students Benefited (Education Programs)</td><td>50,000+</td></tr><tr><td>Government & Foundation Schools Covered</td><td>82+</td></tr><tr><td>Villages Covered (Education Interventions)</td><td>61</td></tr></table> B. Adani Vidya Mandir, Bhadreswar (AVMB) <table><tr><th>Parameter</th><th>Numbers</th></tr><tr><td>Total Students Enrolled</td><td>685</td></tr><tr><td>Classes Covered</td><td>Sr. KG to Class X</td></tr><tr><td>Teachers</td><td>27</td></tr><tr><td>Classrooms</td><td>18</td></tr><tr><td>Student-Teacher Ratio</td><td>~25:1</td></tr><tr><td>SSC Results</td><td>100% Pass</td></tr><tr><td>Students Scoring Above 90% (SSC)</td><td>2</td></tr><tr><td>Awards / Recognitions</td><td>No.1 School in Kutch, NABET Accredited</td></tr></table> Project Utthan – Government School Education <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Schools Supported</td><td>81</td></tr><tr><td>– Primary Schools</td><td>69</td></tr></table>	Indicator	Numbers	Total Students Benefited (Education Programs)	50,000+	Government & Foundation Schools Covered	82+	Villages Covered (Education Interventions)	61	Parameter	Numbers	Total Students Enrolled	685	Classes Covered	Sr. KG to Class X	Teachers	27	Classrooms	18	Student-Teacher Ratio	~25:1	SSC Results	100% Pass	Students Scoring Above 90% (SSC)	2	Awards / Recognitions	No.1 School in Kutch, NABET Accredited	Indicator	Numbers	Total Schools Supported	81	– Primary Schools	69
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026		
			- Secondary & Higher Secondary Schools	12
			Total Students Benefitted	11,532
			Utthan Sahayaks Deployed	As per school requirement
			Parent-Teacher Meetings Conducted	Regular
			Mothers Actively Engaged	Significant participation
			Student Development & Learning Support	
			Intervention	Numbers
			Reading Workshops Conducted	650
			Students Covered under Reading Program	18,000
			Educational / Learning Material Kits Distributed	11,532 students
			Abacus & Mental Mathematics Students	Included
			Activity-Based Learning Tools Provided	Across all Utthan schools
			Career Exposure & Competitive Exam Support	
			Program	Numbers
			Project Udaan – Institutions Covered	582
			Project Udaan – Student Participants	37,819
			Competitive Exam Coaching Schools	52
			Students in Competitive Exam Coaching	2,726
			Career Counselling (Class 10) Students	448
			Scholarships & Higher Education Support	
			Indicator	Numbers
			Scholarship Beneficiaries	31 students

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026								
			<table><tr><td>Total Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr></table>	Total Scholarship Amount Disbursed	₹3,70,052	Fisherfolk Students Supported (Education Kits)	95			
			Total Scholarship Amount Disbursed	₹3,70,052						
			Fisherfolk Students Supported (Education Kits)	95						
			Education-Linked Health & Safety Initiatives							
			<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Students Attending Health Awareness Sessions</td><td>711</td></tr><tr><td>Students Undergoing Health Screening</td><td>1,093</td></tr><tr><td>Schools Covered for Health Programs</td><td>Government schools</td></tr></table>	Indicator	Numbers	Students Attending Health Awareness Sessions	711	Students Undergoing Health Screening	1,093	Schools Covered for Health Programs
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		Students Attending Health Awareness Sessions	711							
		Students Undergoing Health Screening	1,093							
		Schools Covered for Health Programs	Government schools							
		Rural Infrastructure & Environmental Sustainability	Rural Infrastructure Development: Rural infrastructure initiatives focused on water security, connectivity, and community facilities , enhancing service access and village resilience. Water Conservation: - Pond deepening, renovation of tanks, and rainwater harvesting structures. - Renovation of <i>Mamal Sagar</i> created 22,500+ cubic meters of water storage. - Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. Enhancing Connectivity & Public Utilities: - Development of CC roads, pipe culverts, approach roads, open sheds, gaushala facilities, and fishermen settlement infrastructure improved mobility, supported livelihoods, and created more functional community spaces. Upgrading Social Infrastructure: - Renovation of schools, community halls, crematoriums, sports areas, and health facilities strengthened access to education, healthcare, sanitation, and recreation—helping build more resilient rural communities. Luni and Sadau open shed: The open shed development in Luni and Sadau will provide a safe and accessible space for community meetings and events,							

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026	
			strengthening social interaction and long-term community well-being. ○ Bhadresar and Vovar common gathering shed: The development of common gathering shed in Bhadresar and Vovar will create a safe and inclusive space for community meetings and events, promoting social connection and community well-being. ○ Construction of CC road Nana Kapaya: The construction of the CC road in Nana Kapaya will improve safe access, ease daily movement, and support better connectivity for the community. • <u>Environmental Sustainability:</u> ○ Biodiversity Enrichment: The presence of 78 bird species, 4 mammal species, and 12 insect and reptile species demonstrates strengthened biodiversity and healthier habitats. ○ Terrestrial Biodiversity Conservation: Through large-scale afforestation drives and community driven green programs, the Foundation has made a meaningful contribution to strengthening ecological balance and promoting long-term sustainability across multiple regions. ○ Adani Foundation undertook afforestation activities covering an area of 8.0 hectares, planting 14,500 trees across Vira-Anjar, Varaniya, and Moti Khakhar villages during FY 2025-26.
		Skill Development	Skill development programs focused on employability, entrepreneurship, and financial inclusion. • Skill-Based & Cognitive Development Programs: ○ Mental Mathematics & Abacus: Specialized Abacus training provided to enhance speed, logical reasoning, and mathematical accuracy. ○ Activity-Based Learning (ABL): ABL uses subject-specific TLMs, from KG tools to senior science models, supporting experiential learning. ○ Digital Literacy Initiative: Consistent ICT training has enabled the use of AI-based

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026															
			tools in teaching, strengthening readiness for a tech-driven future. • Professional and Personal Growth of Sahayaks and Teachers: ○ Training sessions fostered professional skill development, emotional resilience and a stronger sense of purpose and connection with students. • Digital & Financial Literacy: ○ 1,000+ rural women trained across 16 villages. ○ Covered banking, insurance, pensions, digital payments, and fraud prevention. • Women Training & Skill Development: ○ Total 477 nos. Of women trained for beauty services, mehendi, handicrafts, stitching, food processing, and enterprise management. • Employment Facilitation: ○ Job sourcing and placement support provided. • Divyang Skill Support (Swavlamban): ○ Skill kits, assistive devices, exam kits, and job support enabled self-reliance and social inclusion. Digital & Financial Literacy Programs <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Villages Covered</td><td>16</td></tr><tr><td>Awareness Meetings Conducted</td><td>19</td></tr><tr><td>Rural Women Trained</td><td>1,000+</td></tr><tr><td>Key Topics Covered</td><td>Banking, savings, KYC, CIBIL score, ATM usage, deposits, pensions, insurance, digital payments, fraud prevention</td></tr></table> Women Skill Development & Employability <table><tr><th>Skill Development Area</th><th>Numbers</th></tr><tr><td>Women Trained (Beauty, Mehendi, Handicrafts,</td><td>477 women</td></tr></table>	Indicator	Numbers	Villages Covered	16	Awareness Meetings Conducted	19	Rural Women Trained	1,000+	Key Topics Covered	Banking, savings, KYC, CIBIL score, ATM usage, deposits, pensions, insurance, digital payments, fraud prevention	Skill Development Area	Numbers	Women Trained (Beauty, Mehendi, Handicrafts,	477 women
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026															
		<table><tr><td>Stitching, Food Processing)</td><td></td></tr><tr><td>Artisan Cards Issued</td><td>63 women</td></tr></table>	Stitching, Food Processing)		Artisan Cards Issued	63 women											
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		Employment Facilitation <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Job Sourcing / Placement Candidates</td><td>305</td></tr><tr><td>Women Employed at Solar Projects (Cumulative)</td><td>522</td></tr><tr><td>Job Fairs / Employment Events Supported</td><td>Conducted</td></tr></table>		Indicator	Numbers	Job Sourcing / Placement Candidates	305	Women Employed at Solar Projects (Cumulative)	522	Job Fairs / Employment Events Supported	Conducted						
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		Skill Development for Divyang (Swavlamban) <table><tr><th>Intervention</th><th>Numbers</th></tr><tr><td>Divyang Beneficiaries Supported (Skill & Livelihood)</td><td>1,774</td></tr><tr><td>Assistive Equipment Provided</td><td>252</td></tr><tr><td>Neo-Motion Electric Vehicles Provided</td><td>48</td></tr><tr><td>Competitive Exam Kits Provided</td><td>62</td></tr><tr><td>Talent Hunt Participants</td><td>675</td></tr><tr><td>Job Fair Beneficiaries (Divyang)</td><td>105</td></tr></table>		Intervention	Numbers	Divyang Beneficiaries Supported (Skill & Livelihood)	1,774	Assistive Equipment Provided	252	Neo-Motion Electric Vehicles Provided	48	Competitive Exam Kits Provided	62	Talent Hunt Participants	675	Job Fair Beneficiaries (Divyang)	105
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		Consolidated Skill Development Impact <table><tr><th>Category</th><th>Numbers</th></tr><tr><td>Total Skill Development Beneficiaries (Women, Youth, Divyang)</td><td>2,500+ persons</td></tr><tr><td>Villages Impacted through Skill Programs</td><td>20+</td></tr><tr><td>Skill Domains Covered</td><td>Digital finance, entrepreneurship, beauty services, handicrafts, stitching, employability, assistive technology</td></tr></table>		Category	Numbers	Total Skill Development Beneficiaries (Women, Youth, Divyang)	2,500+ persons	Villages Impacted through Skill Programs	20+	Skill Domains Covered	Digital finance, entrepreneurship, beauty services, handicrafts, stitching, employability, assistive technology						
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
		Please refer Annexure - 2 for full details of CSR activities carried out by Adani Foundation in the Mundra region. "The budget allocated for CSR activities for the financial year 2025-26 was INR 1,131.67 lakh. Out of which, Approx. INR 958.78 lakh has been spent during FY 2025-26. Till Mar'26, Adani Foundation has done total expenditure of INR 197.99 Cr. for CSR activities in Kutch region since its inception.
viii	APSEZ will voluntarily return the grazing land, if any, in their possession.	Point noted. All lands are acquired through proper procedure prescribed by State Government. However, APSEZ has agreed to voluntarily giving land back to Zarpara village for the purpose of Gauchar. Land has been identified in the presence and confirmation of Gram Panchayat. Necessary procedure has been initiated by APSEZ vide its letter dated 09/08/2012 with concerned revenue authority with respect to surrender of gauchar land at village Zarpara. Same has been taken up by revenue department for necessary procedure of transfer and is under process. Details of the same were submitted along with HYCR for the period of Apr'19 to Sep'19. As per recommendations given in Joint Review Committee visit report dated 01/12/2021, APSEZ has been approached M/s. Indian Grassland and Fodder Research Institute (IGFRI), Jhansi to get the consultancy work for enhancing / upscaling the forage production in Gauchar Land at Zarpara in 400 acres. Proposal has been received from IGFRI was submitted along with HYCR for the period of Apr'22 to Sep'22. The officials of M/s. Indian Grassland and Fodder Research Institute (IGFRI), Jhansi have visited at proposed Gauchar Land development site at Zarpara village dated 8th to 10th May 2023 for site survey work and according to guidance & suggestion of IGFRI, APSEZ will start the work for developing the Gauchar Land. IGFRI has provided a site visit report with technical recommendations. Final Report with conclusion / recommendations from IGFRI and compliance report of

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
		its recommendation were submitted along with HYCR for the period Apr'23 to Sep'24.
ix	A regional strategic impact assessment report with a special focus on Mundra region will also be prepared. The cost towards these studies will also be borne by PP.	Complied
x.	In the subject matter of thermal power plant, the proposed regional strategic Impact assessment analysis will take In to account salinity aspect along with Its potential environmental Impact to suggest future corrective actions as well as the guiding tool on extension and addition of the capacities.	This reply covers direction no ix and x. 1. APSEZ vide its letter dtd. 24th Feb 2014 has submitted draft ToR for preparation of CIA report to GCZMA for their approval. 2. GCZMA vide its letter dtd. 19th Dec 2014, has approved ToR for CIA. 3. Based on the ToR finalized by GCZMA (as per the instructions of MoEF&CC) for carrying out regional impact assessment study, APSEZ awarded the work to NABET accredited consultant M/s. Cholamandalam MS Risk Services Ltd. to carry out the studies, vide SO dtd 10th Feb 2016 as stated in these directions. 4. Primary baseline environmental monitoring data collection during March – June 2016 and published secondary data on various environmental attributes. have been considered for the study. 5. The study has been concluded and the final report was submitted to GCZMA and MoEF&CC for their consideration vide our letter dated 30.04.2018. 6. Reminder letter has been submitted to GCZMA for their comments and consideration vide letter dated 4th Jan 2019. Details of above chronology were submitted along with HYCR for the period of Apr'19 to Sep'19. Total cost of the study is approx. INR 1.3 cr. which is financed by APSEZ. The stated study was carried out in following 3 phases. • Baseline data collection and review of the past EIA reports and clearances issued to APSEZ. • Mathematical modelling and other technical studies for identification of potential impacts (for the year 2030) of the approved and existing project activities. • Development of macro level EMP for the phase wise implementation of actionable points.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
		As part of the study, following modelling exercises / technical studies have been carried out to study the impacts on all environmental attributes: • Ambient air quality • Marine (Hydrodynamic, Thermal & Salinity dispersion, Sediment transport) • Noise level • Traffic assessment • Oil spill contingency plan • Water resource and salinity ingress • Land Use / Land Cover • Socioeconomic, Regional infrastructure • Waste management • Ecology, Biodiversity and Fisheries • Shoreline change assessment Preparation of these reports require extensive use of modelling software and study of the available information / research reports to assess the impacts on individual attribute of environment. Based on the modelling outcomes and findings of the technical studies, a macro level environment management plan is prepared. Inline to the present stage of the project, APSEZ is already complying, as per Environment Management Plan and further recommendations, applicable to APSEZ as mentioned in the EMP, with respect to Traffic Management Plan, Ground water quality management, Salinity ingress programme, Air and Noise quality Management, Surface and Marine water quality management, Ecology and Biodiversity Management, Solid & Hazardous waste management, Socio-economic Management and Shoreline Management, will be implemented in phase wise manner as per the progress of development within the boundary limits of APSEZ. The final CIA Report was prepared inline to the ToR by Chola MS and the same was submitted to the GCZMA on 30/04/2018. Details of the same were submitted along with HYCR for the period of Apr'18 to Sep'18. Presentation on the findings of the report was made to

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'25 To : Mar'26
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 31-03-2026
		GCZMA committee on 04/10/2019 and after detailed discussion, authority has decided to constitute committee to discuss the details of the report further. Reminder Letter vide dated 07/09/2020 & 10/03/2021 submitted to the GCZMA, Gandhinagar for further directives to present the findings of the CIA report in detail. Details were submitted along with HYCR for the period of Oct'20 to Mar'21. Presentation done before GCZMA on 31/10/2021 and 16/02/2021 to discuss proposed EMP of CIA study in detail and way forward. GCZMA, Gandhinagar issued a letter to co-ordinate with various departments in the matter of CIA with Gujarat Pollution Control Board as Nodal Agency vide dated 12/07/2022. APSEZ submitted the letter to GPCB for detailed deliberation and suitable action / way forward vide letter dated 20/07/2022. The copy of acknowledgement was submitted along with HYCR for the period of Apr'22 to Sep'22. However, APSEZ is already complying with the Environment Management Plan (applicable to APSEZ) suggested in Cumulative Impact Assessment report. The detailed compliance, applicable to APSEZ is attached as Annexure -12.

Annexure – 1

ALGAL REMOVAL WORK FROM MANGROVE AREAS

The creek area is regularly monitored to check for algal encrustations on mangrove recruits. Wherever significant algal growth is observed, it is removed manually by deploying the required manpower. This activity is carried out during low tide conditions to ensure effective removal. The primary objective is to provide favorable growth conditions for mangroves. Additionally, the spread of *Prosopis* species into mangrove areas is periodically monitored, as this invasive species competes with mangroves for growth.

Photographs of removal of algal encrustations:



Annexure – 2

CSR Mundra Annual Report 2025-26





Mr. Rakshit Shah,
Executive Director
APSEZ

Leadership Message: Driving Community Growth

From Commitment to Collective Growth

Dear Stakeholders,

At the Adani Foundation, we firmly believe that true and enduring progress is rooted in empowered, self-reliant communities. Our CSR initiatives this year have been directed toward holistic village development, with a strong emphasis on enhancing access to essential services, strengthening livelihoods, and fostering sustainable self-sufficiency through deep and meaningful partnerships with local stakeholders and communities.

Central to our efforts has been a continued priority on **water conservation** and the promotion of sustainable resource management practices, ensuring long-term environmental resilience alongside community well-being. Complementing this, our youth development programs have focused on skill enhancement, confidence-building, and equipping young individuals with the capabilities needed to access improved opportunities and make positive contributions to society.

A highlight of the year was the organization of a spiritually enriching **Bhagwat Katha**, which reached and benefited over 1,00,000 participants. This initiative not only created an uplifting environment but also reinforced shared cultural and ethical values, further strengthening the bond between the Foundation and the communities we serve.

These endeavors reflect our unwavering dedication to inclusive growth that unites people, uplifts lives, and creates lasting, transformative impact. Guided by the ethos of sustainable development and nation-building, we remain committed to collaborating closely with communities to build a more equitable and prosperous future.

With deep gratitude for the trust placed in us and renewed resolve to drive meaningful change,

Rakshit Shah

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Sustainable Livelihood Development

Community Development

Swavlamban

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Events

Awards & Appreciation

Publication

Success Story

Media Coverage



Adani Vidya Mandir, Bhadreshwar

EMPOWERING FUTURES THROUGH HOLISTIC EDUCATION



Adani Vidya Mandir, Bhadreshwar (AVMB), is a reputed Gujarati Medium school affiliated with GSEB and managed by the Adani Foundation. The institution is committed to offering cost-free, quality education to children from underprivileged families, empowering them to realize their potential and build a dignified future.

The school provides education from Sr. KG to Class X and currently serves 685 learners. With 18 well-equipped classrooms limited to 40 students each, AVMB ensures focused learning and strong student-teacher engagement. The academic team comprises 27 qualified teachers and one professional librarian who collectively support a robust and enriching learning environment.

Institutional Day Celebrations



International Yoga Day

Students and staff participated in a yoga session highlighting focus, discipline, and a healthy lifestyle.



National Mathematics Day

Celebrated as "Mathfinity," students participated in logic puzzles, geometric art, and math games honoring Srinivasa Ramanujan.



Matru-Pitru Pujan Diwas

The event celebrated the parent-child bond, with students performing traditional rituals to honor their parents.



National Sports Day

The school conducted athletic and traditional games to foster stamina, teamwork, and healthy competition.



Hindi Diwas & Week

"Hindi Week" included recitations, essays, and debates to enhance linguistic skills and cultural pride.



Teachers' Day

Students hosted a Teachers' Day program with a National Virtual Meeting to honor educators' dedication.



World Nature Conservation Day

Students participated in activities promoting natural resource conservation and sustainable living.



Independence Day

The flag-hoisting ceremony highlighted patriotic spirit through student performances celebrating India's freedom.



International Mother Language Day

Students participated in multilingual activities emphasizing linguistic diversity and the importance of the mother tongue.



AVMB: A Year of Outstanding Achievements

100%
Result
in SSC



India School Merit Awards (Dec 15, 2025)

AVMB was officially recognized as the "No. 1 School in Kutch" by Education Today..



Khel Mahakumbh District Honors (Dec 03, 2025)

Vivan Hethwadiya secured 1st at the Taluka level and 2nd at the District level in the 50m race and Broad Jump.

National Level Arts Achievement (Aug 2025)

The school's choir group won 1st Place in the Sanskrit Division at the 'Bharat Ko Jaano' regional competition.



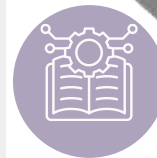
National Shiksha Award 2025

AVMB received this award for its innovative teaching approach and contribution to social upliftment.



SSCE Excellence (2024-25)

The school achieved 100% results in Class X, with two students scoring above 90%, reflecting strong academic monitoring and support.



State-Level Athletics Success (Jan 12, 2026)

Vivaan Vala Hethwadiya (Class V) secured 7th place in the Under-11 State-Level 60m race, proudly representing the district.



Institutional Media Visibility (June 2025)

The school received 19 media coverages (6 online, 13 offline) in a month, highlighting strong community engagement.

Literary Publication (Oct 18, 2025)

Laksharajsinh Jadeja's (Class VIII) piece 'Friendship with a Diya' was featured in Kutch Mitra Junior, highlighting students' growing literary skills.

SSC Examination Centre Status

AVMB has been designated as an SSC Board Examination Centre, recognizing its strong infrastructure, integrity, and organizational capability

Empowering Minds & Building Futures at AVMB



Holistic Training Framework for Educators

- **NABET Accreditation** : AVMB is the region's only State Board school with NABET Accreditation, ensuring quality education.
- **Faculty Empowerment** : A two-day training with Jeevan Bharati, Surat, strengthened classroom management and TLM-based teaching.
- **ICT Training for Educators** : Teachers attended a workshop on Canva and Adobe AI tools to create digital lesson plans, posters, and videos.
- **STEM for Bharat** : Teachers joined a STEM session to enhance hands-on, 21st-century teaching.



Major Co-Curricular Activities

- **Regional Science Fair** : Students showcased Mangrove and Eco-brick projects at the Taluka and SVS Science Fair.
- **Parent-Teacher Meeting (PTM)** : The session encouraged parent-teacher interaction and featured a Live Abacus Demonstration.
- **Project Udaan Visit** : Students visited Mundra Port and the Power Plant for hands-on exposure to industrial operations.
- **Kala Utsav Celebrations** The event showcased students' creativity through storytelling, painting, and traditional crafts.
- **Sanskrit Gaurav Examination** : Students took the Sanskrit Gaurav Exam to enhance their Sanskrit proficiency.



Health, Safety & Awareness Initiatives

- **TD Vaccination**: A TD vaccination and medical screening drive was conducted for Classes V and X to ensure student health and safety.
- **Anti-drug Awareness session**: Students created "No Drugs" artworks to spread awareness about substance abuse and encourage healthy choices.
- **Health Awareness Seminar** : A parent session on student well-being covered nutrition, mental health and hygiene.
- **108 Emergency Training** : Students received hands-on CPR and first-aid training from the 108 Emergency Team.



Skill-Based & Cognitive Development Programs

- **Mental Mathematics & Abacus**: Specialized Abacus training provided to enhance speed, logical reasoning, and mathematical accuracy.
- **Activity-Based Learning (ABL)**: ABL uses subject-specific TLMs, from KG tools to senior science models, supporting experiential learning.
- **Digital Literacy Initiative**: Consistent ICT training has enabled the use of AI-based tools in teaching, strengthening readiness for a tech-driven future.



Udaan

About Project

Udaan is a special project inspired by the life-changing story of Mr. Gautam Adani. As a child, he had visited the Kandla port in Gujarat, and after looking at the expanse of the port, he dreamt of having his own port one day. The rest is history. Under this project, exposure tours are organized wherein school, college students, faculties, employees from corporates are given a chance to visit the Adani Group facilities. Under this project, services are absolutely-free of cost for government schools.

Vision

To create a pool of inspired young minds for nation building at a global scale.

Mission

To motivate young students to dream big by exposing them to world-class industrial facilities.

Total number of
schools/colleges/in
stitutions

582

Total number of
participants

37,819



CSR KUTCH



Demographic Details

Block	Villages	No. of HHs	Population
Mundra	61 Village	35,192	1,53,179





Environmental Sustainability

"Sustain the earth,
sustain life"





Adani Foundation's Commitment Towards A Greener Future

Through diverse environmental projects, the Adani Foundation continues to drive meaningful action toward a resilient and sustainable future.



Climate Action

In a time when environmental responsibility is essential, our commitment to protecting and strengthening the natural ecosystem is demonstrated through a wide range of focused initiatives. These efforts address pressing environmental concerns while aligning with the United Nations Sustainable Development Goals (SDGs), ensuring an integrated and long-term approach to sustainability.





Terrestrial Biodiversity Conservation:

Adani Foundation is committed to conserving terrestrial biodiversity through wide-ranging environmental initiatives. These efforts focus on increasing green cover, rejuvenating ecosystems, and encouraging active community participation in environmental responsibility.

Through large-scale afforestation drives and community-driven green programs, the Foundation has made a meaningful contribution to strengthening ecological balance and promoting long-term sustainability across multiple regions.

Sr.No	Year	Village	Acre	Total Plants	Budget
1	2021-22	Nana Kapaya	2.5	5,880	AF Mundra
2	2023-24	Dhrab	3	5,350	AF Mundra
3	2024-25	Pipari	3	10,005	AF Mundra
4	2025-26	Vira Anjar	2	4,500	AF Mundra
5	2025-26	Viraniya	4	6,000	AF Mundra
6	2025-26	Moti khakhar	2	4,000	AF Mundra
		Total	16.5	35,735	

Green Cover Expansion

Adani Van – Harit Paryavaran ki Ek Pahel

A large-scale plantation initiative transforming barren land into thriving green spaces and promoting sustainability.

Biodiversity Enrichment

The presence of 78 bird species, 4 mammal species, and 12 insect and reptile species demonstrates strengthened biodiversity and healthier habitats.

Total:
35,735 Trees
Across 16.5
acres





CSR Mundra

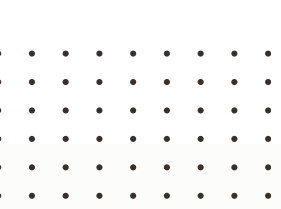


Education

"Empowering minds today,
for a brighter Tomorrow"



उत्थान
by
adani Foundation



PROJECT UTTHAN :

A FLAGSHIP PROJECT BY ADANI FOUNDATION

The Adani Foundation launched Project Utthan in 2018–19 through an MoU with GoG to strengthen grassroots education. The initiative enhances learning outcomes with support from Utthan Sahayaks. It adopts government schools and tutors Priya Vidyarthi. English is introduced as a third language. Parents—especially mothers—are engaged to improve FLN skills.

- Adopted government primary schools to improve learning environments, reduce dropout ratio, and support progressive learners through targeted tutoring.
- Implemented academic and co-curricular activities, including introducing English as a Third Language and building staff capacity.
- Strengthened foundational literacy and numeracy by engaging teachers, educators, and mothers in the learning process.



Education | Project Utthan

Utthan is transforming government primary schools into vibrant learning hubs through modern teaching methods, improved infrastructure, and engaging co-curricular activities. By involving parents—especially mothers—it strengthens community participation and learning outcomes. Aligned with NEP 2020 and the SDGs, Utthan promotes inclusive, equitable, and quality education while fostering lifelong learning.

11,532
Students
benefitted



69
Primary Schools

12

Secondary & Higher
Secondary Schools



Objectives

- Mainstreaming Progressive Learners
- Character Building by Co-curriculum activity
- Creating Joyful learning spaces
- Mothers as catalyst in transformation

Reimagining Rural Education: Utthan Project in Action



Student Development & Educational Initiatives

- ❑ The Green School Project reduced plastic waste through eco-bricks, earning a WorldWide Book of Records achievement and community impact.
- ❑ **81 Schools 8,200 Students**

Environment Education Project



- ❑ Conducted STEM and competitive exam trainings, implemented special Abacus support programs, and encouraged government teacher participation.
- ❑ **76 Teachers 13,680 Hours**

Training Programs



- ❑ Supported competitive exam coaching with study materials, practice tests, and expert guidance.
- ❑ **52 Schools 2,726 Students**

Adani Competitive Coaching Center



- ❑ Utthan Sahayaks trained and conducted reading workshops to build students' reading habits through engaging activities.
- ❑ **650 Workshop 18,000 Students**

Reading workshop



- ❑ Distribution of sports kits, music kits, TLM kits, and stationery kits.
- ❑ **11,532 Students**

Material kit distribution



- ❑ Engages students in fun and educational activities, promoting their holistic development.
- ❑ **7,500 Students**

Summer camp & Diwali Mela



- ❑ Supports Class 10 students in making informed decisions about their future.
- ❑ **448 Students**

Career counselling (12 High schools)



- ❑ Initiatives to strengthen co-curricular activities and foster a joyful learning environment.
- ❑ **11,532 Students**

Day Celebration



- ❑ To enhance the school environment and encourage creativity, the Adani Foundation completed wall painting work across multiple schools, contributing to students' holistic growth.

Bala paintings



- ❑ Parent-Teacher Meetings were conducted for high School students twice during the year to provide academic guidance.
- ❑ **1,150 Students**

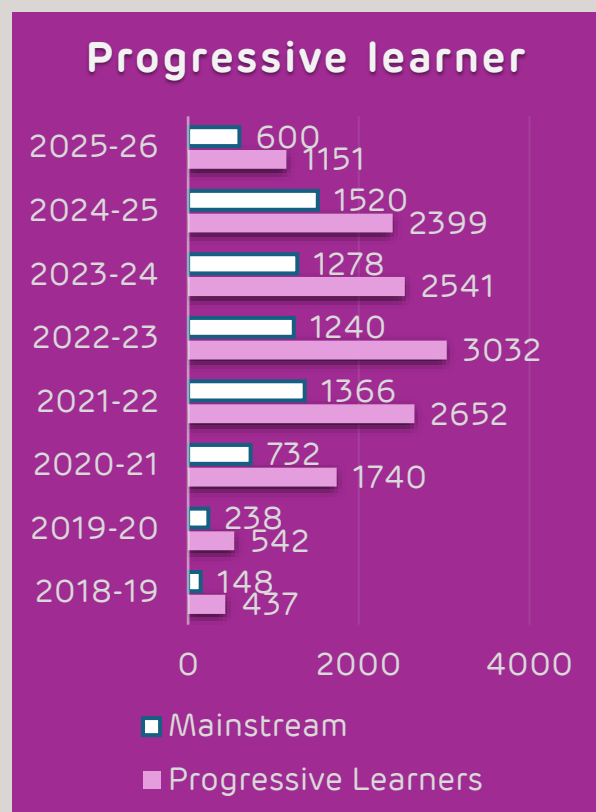
Parent's meeting





Progressive learner

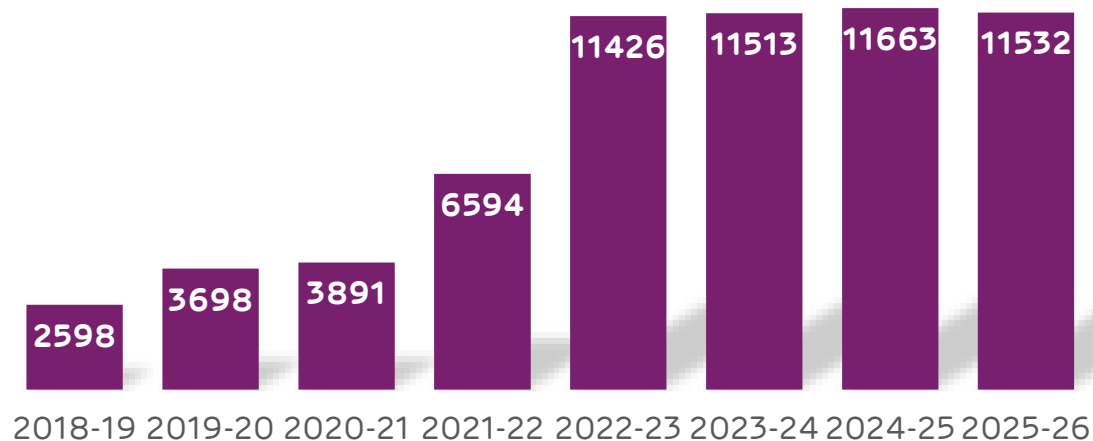
Teaching progressive learners involves using innovative approaches and activity-based learning to mainstream all students, focusing on foundational literacy and numeracy (FLN).



Progressive Students : Strengthening foundational literacy, numeracy and skills

Student Strength Analysis by Year

■ Students





Some glimps
of Utthan
Students



Community Health

"A healthy community is a strong community"



Community Health

Good health forms the foundation of a strong and progressive community. Through its health interventions, Adani Foundation works to improve access to quality healthcare in rural and remote areas, with a strong focus on reaching underserved populations in Kutch.

The Foundation adopts a comprehensive approach that integrates preventive, promotive, and curative care. Mobile medical services, rural clinics, and specialized health camps ensure timely medical attention, while health awareness initiatives encourage early diagnosis and healthy practices, with special emphasis on women, children, and eye care.

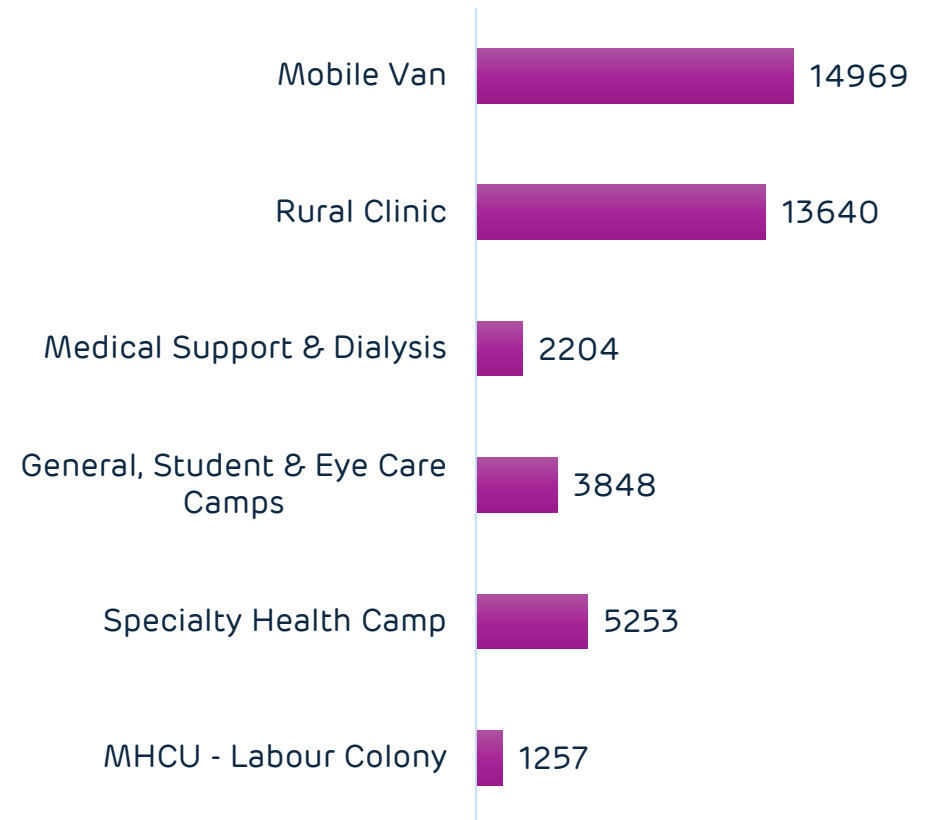
By partnering with Adani G.K. General Hospital in Bhuj and Adani Hospital in Mundra, medical professionals, and community institutions, the Adani Foundation continues to strengthen the local healthcare ecosystem. These sustained efforts support long-term well-being and contribute to healthier, more secure communities





Healthcare Outreach

Beneficiaries:



Our Services

13,640

Patients
benefitted

Rural Clinics

Established across 6 villages in Mundra and 1 village in Mandvi, delivering essential healthcare.

16,226

Patients
benefitted

MHCU

Mobile Health Units served 28 villages, including 7 fishing settlements, across 29 stoppages including MHCU labor colony

2,204

Patients
benefitted

Financial assistance

Providing life-saving hospital care for economically vulnerable patients.

General Health Camp

Free healthcare access through consultations, check-ups, and medicines.

1,768

Patients
benefitted

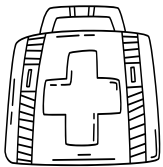
Specialty Health Camp

Focused specialist care for women, children, and outbreak response.

5,253

Patients
benefitted

39,091
Consultations



Healthcare Interventions

Medical Equipment Support

The Adani Foundation supplied essential medical equipment to 7 PHCs and 42 Sub-Centers in Mundra Taluka (Average cumulative OPD is 45000 per month) , strengthening primary healthcare delivery in remote villages. This support enables timely diagnosis, improves treatment quality, and reduces the need for patients to travel for basic medical service.

A total of 1,093 beneficiaries were covered under the health screening program.



OPD and IPD Services at Adani Hospital

OPD : 42,825
IPD : 2,391
TOTAL : 45,216

Student Health Awareness Sessions

This year, health and hygiene awareness sessions were conducted across primary schools in Mundra Block to promote essential cleanliness habits and preventive care.

Total of 711 students and teachers participated in the awareness sessions. Additionally, 1,093 students underwent basic health screening to identify early health concerns and encourage timely follow-up. This initiative helped strengthen students' understanding of healthy habits and supported overall well-being across the schools.





Sustainable Livelihood Development

“Empowering hands,
transforming lives”

SLD- Women Empowerment

The Adani Foundation prioritizes women's empowerment through skill development, entrepreneurship, and self-reliance initiatives. By providing training, resources, and market linkages, it enhances livelihood opportunities for women.

In collaboration with government programs, it strengthens Self-Help Groups (SHGs) to promote savings and sustainable enterprises. The foundation also advances women's health and hygiene through focused awareness efforts, fostering economic independence, social inclusion, and overall well-being in its project areas.



"Self Help Group – A Mile Stone !



Over the past decade, Adani Foundation has been actively driving women empowerment in the Mundra region by promoting Self-Help Groups (SHGs) and enabling sustainable livelihood opportunities. The initiative focuses on transforming women from low-income backgrounds into confident, self-reliant entrepreneurs through structured training, financial inclusion, and continuous handholding support. The program has delivered strong, measurable impact. Currently, 15 high-performing SHGs are operating as successful micro-enterprises with a combined annual turnover exceeding ₹3.5 crore and total profits of over ₹1 crore, directly benefiting 150+ women. In addition, several other SHGs are in different stages of growth, steadily

progressing towards financial independence.

Adani Foundation's approach integrates capacity building and enterprise development, including training in financial literacy, digital skills, business management, and operational efficiency. Continuous mentorship ensures that women not only start businesses but also sustain and scale them effectively.

The impact is best reflected through key success stories:

- Shri Saheli SHG (Tunda Village): A group of 10 women, with limited formal education, successfully built a service enterprise and expanded operations by employing 30 additional women, achieving an annual turnover of ₹84 lakh.
- Shraddha Saheli SHG (Mota Kapaya Village): Starting with basic roti-making in 2017, this group evolved into a structured food business, reaching an annual turnover of ₹54 lakh, despite minimal educational background.
- Food Sisters SHG (Nanakpaya Village): Beginning in 2020 with a small food

setup, this group scaled into a thriving enterprise with an annual turnover of ₹44 lakh, where each member now earns ₹25,000–₹30,000 per month.

These examples highlight a clear transformation—from zero or minimal income to sustainable enterprises, and from low confidence to independent decision-making.

Overall, Adani Foundation has successfully created a replicable and scalable model of women-led economic empowerment.

The initiative demonstrates that with the right ecosystem of training, resources, and mentorship, women can achieve significant financial growth and become key contributors to their households and communities



SHGs Income Details F.Y.2025-26

Sr. No.	Name of Group	Village	Expertise	Establish	Strength	Turnover 2025-26)	Profit
1	Shree Saheli Swa Sahay Group	Tunda	Labour Cleaning Contract	2023	11	85,00,000	17,00,000
2	Shraddha Saheli Swa Sahay Group	Mota-Kapaya	All Types of Food items	2018	10	54,00,575	18,00,000
3	Food Sister Saheli Swa Sahay Group	Nana-Kapaya	All Types of Food items	2021	10	44,40,250	14,00,000
4	Sonal Saheli Swa Sahay Group	Shekhadiya	Washing Powder & Phinial	2016	10	40,78,700	6,11,805
5	Pantjanpir Saheli Group	Patjanpir	Cow Support	2021	15	26,82,750	13,50,000
6	Radhe Saheli Swa Sahay Group	Zarpara	Expert in Dhadki	2019	12	9,46,564	3,40,000
7	Meghadhanush Saheli Swa Sahay Group	Mundra	Various Mud Art Work	2018	12	9,20,000	4,00,000
8	Jay Momai Saheli Swa Sahay Group	Mota Kandagra	Bandhana Work	2018	10	8,89,000	3,50,000
9	Tejashvi Saheli Swa Sahay Group	Mundra	All types of Stitching related work	2018	16	8,50,000	3,00,000
10	Sundar Saheli Swa Sahay Group	Mundra	Beauti Parlour Group	2021	14	6,80,000	3,40,000
11	Madhav Saheli Swa Sahay Group	Deshalpar	Various Snacks & Millet item	2022	10	5,49,200	2,80,000
12	Soof Handicraft Items	Pragpar-2	Soof,Kharek Various Handicraft Work	2021	15	5,00,000	2,50,000
13	Umang Saheli Group	Mundra	Doori work & Soft toys	2020	10	3,10,000	2,00,000
14	Jyot Saheli Swa Sahay Group	Mundra	Bid Items	2022	10	1,75,000	1,00,000
15	Gopal Gir Gaushala	Patri	Natural Ghee & Buttermilk	2023	1	18,00,000	6,30,000
					166	3,27,22,039	1,00,51,805

- Total Turnover - Three Crore twenty-seven lacs Twenty two thousand thirty nine rupees only (3.27 Crore)
- Total Profit - One Crore Fifty one thousand eight hundred five rupees only (1.05 Crore) between 148 Women



Women Empowerment



Anganwadi Outreach

Child–mother sessions on health, hygiene, nutrition & safety



Mothers' Meetings

Structured sessions on hygiene, nutrition, mental health & parenting

325 women



Fisher Folk Community Programs

Sessions on menstrual health, anemia, mental health & adult education



Artisan Card Support

Artisan cards were provided to women to support livelihoods and recognize their skills.

63 women



Training & Skill Development

Training in beauty, mehendi, and handicrafts promoted women's skills and self-reliance.

477 mothers



Job Sourcing

Adani Foundation facilitated interview opportunities for community members, supporting access to employment.

305 candidates



522 Women Employed at Solar till date

Digital Literacy Training

- Adani Foundation, with the support of ICICI Bank, conducted digital literacy training to strengthen rural women's financial and digital awareness.
- Covered key topics such as savings, KYC, CIBIL score, ATM usage, fixed & recurring deposits, pension schemes, insurance types, Ponzi schemes, and protection from financial fraud.
- 16 villages covered through 19 awareness meetings, expanding outreach in rural communities.
- Enabled women to make informed financial decisions in the digital economy.

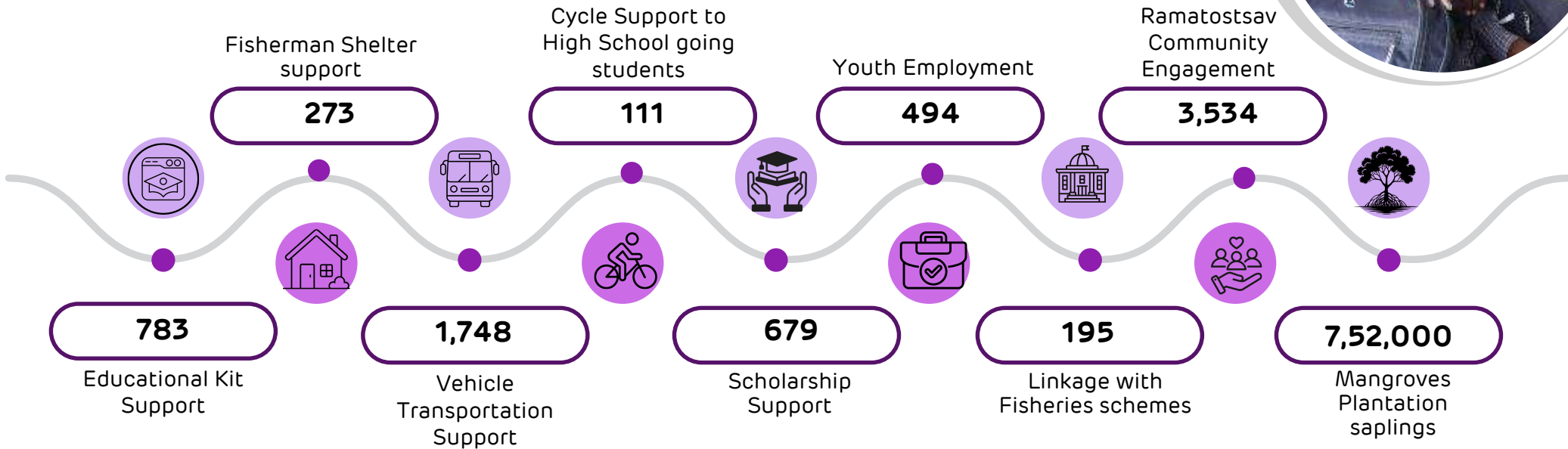


1,000+

Rural women trained



Fisherfolk Community



Fisherfolk Community



Education Kit Support



Providing essential study materials to 95 fisherfolk students this year in HSC and graduation helps reduce financial barriers and enables them to pursue their education with confidence.

Vehicle Transportation Facilities



Facilitated safe school transportation for 101 children this year from Luni, Shekadiya and Tragadi Bandar, ensuring regular attendance without barriers.

Planatation



Completed 10,000 mangrove plantations through gap filling and developed 15,000 nursery saplings this year at the Luni and Hamari Mora sites, strengthening coastal biodiversity, and supporting sustainable livelihoods for local communities

Scholarship Support



Scholarships worth ₹3,70,052 were provided to 31 students this year to support their higher secondary and technical education, helping create better future opportunities for them and their families.



SLD- Animal Husbandry

Declining rainfall and increasing groundwater salinity have posed significant challenges to traditional farming. In response, the Adani Foundation has taken proactive measures to strengthen agriculture and support livestock owners in nearby villages.]

PASHUDHAN INITIATIVE : This initiative focuses on two key areas:

Preventive Healthcare

- Regular cattle health camps conducted across 7 villages in partnership with the Animal Husbandry Department.
- Veterinary check-ups, vaccinations, and treatment for common livestock diseases.
- Administration of life-saving vaccines for Foot-and-Mouth Disease (FMD) and Clostridial infections.
- Supply of essential medicines and vaccines by the Foundation.
- Strengthening livestock health, improving farmer livelihoods, and building community resilience.



5949

Cattles Vaccinated



21

Cattle owner benefitted



200

Deworming Tablet distributed

691,730 kg
Dry Fodder
24,27,443 kg
Green Fodder



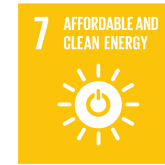
16,239
Cattle Benefitted

1930
Cattle Owner Benefitted

Fodder Support

- Provides high-quality dry and green fodder to 24 nearby villages.
- Supports communities during harsh summers, droughts, and crop failures.
- Benefiting over 1,900 cattle owners and covering 16,239 cattle.
- Ensures livestock health and strengthens rural livelihoods during critical periods.





Community Development

"Infrastructure that connects, empowers, and sustains"





Community Development

Strengthening Water Security

Adani Foundation enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages.

Enhancing Connectivity & Public Utilities

Development of CC roads, pipe culverts, approach roads, open sheds, gaushala facilities, and fishermen settlement infrastructure improved mobility, supported livelihoods, and created more functional community spaces.

Upgrading Social Infrastructure

Renovation of schools, community halls, crematoriums, sports areas, and health facilities strengthened access to education, healthcare, sanitation, and recreation—helping build more resilient rural communities.



CID - Key Community Developments



Luni and Sadau open shed

The open shed development in Luni and Sadau will provide a safe and accessible space for community meetings and events, strengthening social interaction and long-term community well-being.



Bhadresar and Vovar common gathering shed

The development of common gathering shed in Bhadresar and Vovar will create a safe and inclusive space for community meetings and events, promoting social connection and community well-being.



Construction of CC road Nana Kapaya

The construction of the CC road in Nana Kapaya will improve safe access, ease daily movement, and support better connectivity for the community.





Swavlamban

“JOURNEYS OF DIGNITY AND HOPE.”



The Adani Mangal Seva:

Adani Foundation launched Mangal Seva, a meaningful initiative aimed at empowering differently-abled married women. This transformative program is a reflection of the Foundation's commitment to inclusive and sustainable development.



financial assistance of
₹10,00,000/-
to **500**
married female divyangs.

Objective

Enables women to plan their futures with assurance, exercise independent decision-making, and participate fully in family and community life. Under this initiative, the Adani foundation has pledged annual financial assistance of ₹10 Lakh to 500 married female divyangs.

"Service is the highest form of devotion."

**Seva Saadhna Hai, Seva Prarthana
Aur Seva Hi Parmatma Hai .**

-Mr. Jeet Adani

Impact

01

Ensuring a future of dignity, security, and stability for beneficiaries. & Strengthening inclusivity and social upliftment through impactful support

02

Divyang individuals gained access to entitlements, boosting confidence & community participation and Improved Livelihood Opportunities.

03

Strengthened rural outreach village level engagement ensured that even remote beneficiaries received timely support and recognition.



Swavlamban :



- **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



Support by Adani Foundation

Sr. No.	Activity	Beneficiaries
1	Job Fair	105
2	Sawavlaban IG Support	92
3	AF Equipment Support	252
4	AF Neo motion EV	48
5	Talent Hunt	675
6	Exam Kit Support	62
7	Adani Mangal Seva	500
8	Musical & Education Kit Support	40
	Total	1774



Promote Educational & Career Readiness
Enhance Mobility & Daily Living



Enhance Mobility &
Daily Living



Beneficiaries Count

Government Scheme Facilitation

Sr. No.	Scheme Details	Govt. Support (Rs./Month / One Time)	Total Beneficiaries	Total Amount per Month (INR) – Last Year
1	Widow Pension	1,250 / Month	683	1,02,45,000
2	Divyang Pension	1,000 / Month	128	1,536,000
3	Niradhar Pension	1,000 / Month	126	1,512,000
4	Palak Mata Pita	3,000 / Month	5	1,80,000
5	Bus Pass	300 / Month	615	22,14,000
6	Divyang Govt Sadhan Sahay	One Time – 10,000	195	1,95,00,000
7	Artisan Card	One Time	62	—
8	Divyang Sadhan Sahay	One Time – 75,000	4	3,00,000
9	Divyang Certificate	—	666	—
	Total		2,484	1,34,73,000



48

Advancing Sustainable Mobility: Electric Vehicle Initiative

Till date endeavor

AF livelihood support to 1774 Divyangs.

2484 in availing Government services



adani

Ports and
Logistics



श्रीमद् भागवत
कथा

सर्वजनहिताय, सर्वजनसुखाय

adani | Ports and
Logistics

REDAK/MAHARAJA (GURUJI) KATHA
अदानी पोर्ट्स एंड लॉजिस्टिक्स
KURE NATHUJI KATHA KATHA KATHA KATHA KATHA

श्रीमद् भागवत
कथा

Objective: Creating a platform that:

- Leverages a common interest
- Invokes positive sentiment
- Brings all factions of community together

Focus: Engage such that everyone in community feels connected & participates





Key Outcomes

- **Unity & Social Harmony:** People from diverse backgrounds came together, strengthening communal bonds and mutual respect.
- **Spirit of Volunteerism:** Community groups actively contributed through voluntary services throughout the event.
- **Spiritual & Positive Environment:** The Katha fostered a serene, value-driven and uplifting atmosphere for all attendees.
- **Community–Business Connect:** Strong goodwill and engagement between the community and Adani team.
- **Economic Encouragement:** Local vendors and small businesses benefitted from increased activity during the event.
- **Food & Medical Support:** Devotees received prasad and free medical facilities during the program.



1,00,000
beneficiaries
attended the 7-
day spiritual
event.



Alignment with Core Thematic Activities

- The event provided a platform to gather people for health examination & medicine dispensation
- Marketplace alongside the venue offered the opportunity for the local economy to bloom
- Blending cultural-spiritual engagement with initiatives that support community welfare and empowerment.

Protection of national heritage, art & culture

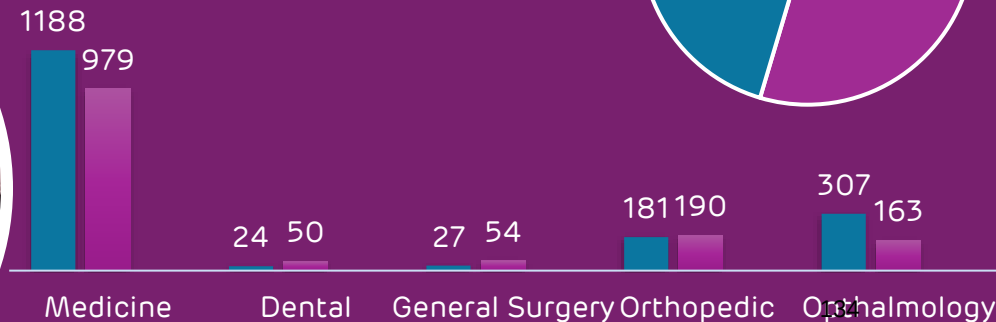
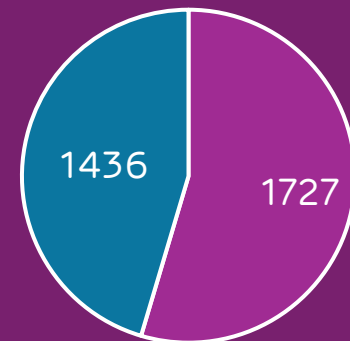
The event served to preserve cultural beliefs

- Promotion of traditional art and handicrafts



Medical Camp

■ Female ■ Male



Events



Child Health Care Program – Bidada Sarvodaya Trust

Supported by Adani Foundation (18–24 December 2025), 7,500 government school students received health check-ups with transportation support. The program focused on early detection and preventive healthcare for children from remote areas.



Swavalamban

Enabled 50 differently-abled individuals with self-employment support and electric wheelchairs, fostering independence, dignity, and inclusive development.



Improving Rural Connectivity

2 km road stretch cleaned and treated with GSB, improving school access for children and enabling smoother market connectivity for farmers and orchard residents.



Pilgrim Medical Support Camp:

During Navratri, Adani Foundation organized a medical camp for pilgrims walking to Mata no Madh, providing doctors, medicines, and emergency transport



Balvatika Inauguration

Adani Foundation inaugurated a Balvatika at Zarpara School, benefiting 38 girl students by creating a nurturing early learning environment and strengthening access to quality education.

Events



Employee Volunteering

Adani Foundation employees supported community well-being through the distribution of nutrition kits at GK General Hospital, reinforcing their commitment to health and social impact.



International Coastal Cleanup Day Celebration at Salaya Beach, Mandvi

Adani Foundation organized beach clean-up with 150+ participants promoting marine biodiversity awareness, graced by MLA Shri Anirudhbhai Dave.



Education Support for Fishing Communities

80+ students from Mundra and Mandvi talukas supported through annual education kit distribution, with transportation assistance ensuring continued access to higher education.



Water Conservation

Renovation of Mamal Sagar enabled storage of 22,500+ CUM of water, benefiting 50+ farms and improving groundwater levels to strengthen local water security.



Women Entrepreneur Support:

Adani Foundation provided resource support to 50 women entrepreneurs from 5 SHGs, strengthening their journey toward sustainable livelihoods.

Events



Foundation Day at JNV Dumra

Program engaged 50+ employees and 560 students at JNV Dumra through tree plantation, safety training, and health check-ups, strengthening health and environmental awareness.



Community Infrastructure for Fishing Villages

A community shed was constructed in Tragadi and Modhva, providing a shared space for social gatherings, events, and collective activities to support the local fishing community.



Sangeet Prathibha Shodh- Program

104 students from across Kutch participated in singing and instrumental categories. All participants were awarded trophies, promoting cultural heritage and boosting confidence among rural talent.



World Disability Day Celebration at Nana- Kapaya

About 70 differently-abled individuals from Mundra and nearby areas took part in the event, receiving cabins, handcarts, sewing machines, and household-industry tools to support self-employment.



World Disability Day Celebration at Madhapar

The program honored and empowered over 300 persons with disabilities, offering digital training on tools like Sugamya Bharat and the Aadithi Chatbot. Educational kits were distributed to all participants.

Events



Tree Plantation Held on Hon'ble Chairman's Birthday at Zarpara Village

Village leaders and the Adani Foundation team attended, and a pledge was made to plant 5,000 trees.



Tree Plantation Held on Hon'ble Chairman's Birthday at Dhrab Village

Adani Vidya Mandir students and staff pledged to plant 5,000 trees, joined by village leaders and the Adani Foundation team.



Experiential Learning under Training Program

Teams from Mundra, Hazira and Dahej visited Aamba Pada village and Ambika Bagayat Cooperative in Dang to observe BAIF's bamboo livelihood and Wadi project initiatives. The exposure enhanced participants' understanding of sustainable livelihood models and value addition.



International Women's Day Celebration at Adani House

Women from the Kutch gathered to watch the live Swabhimaan – The Rise of She event, where Dr. Priti Adani announced the expansion of the Swabhimaan programme to empower 10 lakh women entrepreneurs across India.



Healthcare support

Adani extended healthcare support to Mundra by providing an ambulance to Gauraksha Seva trust to improve emergency care and community wellbeing.



AWARD & RECOGNITION

Best Performing
Organization For
Divyang



On the occasion of the World Divyang Day, Adani Foundation was honoured with an award in recognition of its exemplary contributions, undertaken in collaboration with Navchetan Sanstha, toward the welfare and empowerment of persons with disabilities.

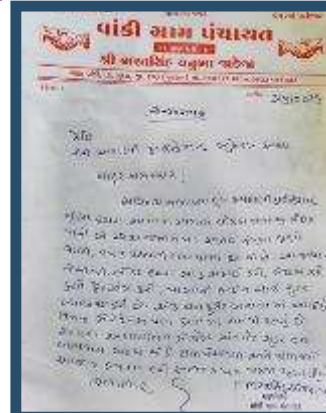
Best Performing
Organization For
Adani Van



An award was conferred upon the Adani Foundation in recognition of the exemplary performance of the Adani Van initiative implemented in Beraja village.



APPRECIATION LETTERS



Book Publication



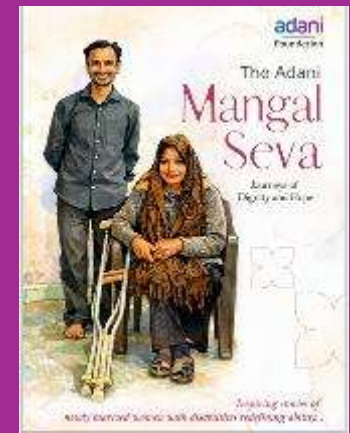
"Mangal Seva" Journeys of Dignity and Hope

The Adani Mangal Seva initiative builds on the Adani Foundation's wide development footprint across 7,000+ villages and urban centres in 22 states, impacting 9.6 million+ lives through programs in education, healthcare, and livelihoods. The initiative focuses on empowering newly married women with disabilities by providing financial security and promoting dignity, independence, and social inclusion.



Under the program, each eligible beneficiary receives ₹10 lakh as financial assistance through a fixed deposit, ensuring long-term financial stability and enabling women to pursue livelihoods, education, or entrepreneurship. With a vision to support 500 newly married women with disabilities, the initiative aims to create sustainable impact for families and communities.

Aligned with frameworks like the RPwD Act, 2016 and UNCRPD, the program goes beyond financial aid to promote dignity, equal opportunity, and inclusive community development.



Book Publication



“Roots of Revival”

Reclaiming the Earth Through afforestation

The Adani Foundation's Roots of Revival initiative reflects our sustained commitment to environmental conservation and climate resilience. Through scientifically planned and community-led afforestation efforts across Kutch, Gujarat, the program focuses on restoring degraded landscapes, enhancing biodiversity, and strengthening ecosystems. The Adani Foundation's green initiative, Harit Paryavaran ki Ek Pahal, outlining its systematic approach to environmental restoration.

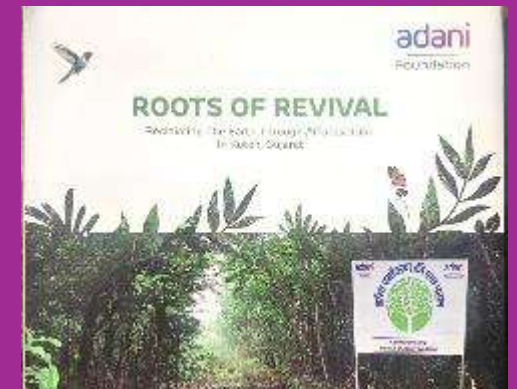


During the reporting period, the program achieved the following outcomes:

- 89,400+ saplings planted, contributing to long-term ecological regeneration.
- 12 villages covered, ensuring broad community participation and strengthened ownership.
- 35 acres of land brought under green cover, biodiversity enhancement, and climate resilience.

The rejuvenated green space has emerged as a vital habitat for diverse species. Monitoring during the reporting period recorded:

- 77 avian species
- 4 mammalian species
- 4 insect species
- 8 reptile species



When Courage Finds a Classroom



“Madam believed in me—even when I didn’t believe in myself.”

Meghavad Lalit, a student of Dhrub Primary School, arrived from Rajasthan carrying more challenges than most children his age. Unfamiliar with the Kutchi language and weakened by illness, he remained silent in class—rarely writing, rarely participating, and often falling asleep after recess. During breaks, he sat alone, too tired and too shy to join others.

The truth surfaced during a mother’s meet. Lalit was battling a lump in his neck, complete kidney failure, heavy medication, and frequent dialysis. His health had kept him away from school for nearly two months. His silence was not disinterest—it was exhaustion and pain.

Understanding his struggle, Aziz Fatima Ma’am stepped in with patience and care. She spoke to him in Hindi to build comfort and used TLMs and Bala painting to teach matras creatively. For the first time, Lalit connected with the lessons—he understood, remembered, and began believing in his abilities. Little by little, Lalit responded—he understood, he remembered, and for the first time, he believed he could learn. That small spark became the turning point of his journey.

From hesitant steps to confident strides, Lalit began reading and writing Gujarati. His notebooks filled with neat handwriting, his answers grew stronger, and he started participating eagerly in class. The boy who once sat alone during recess now laughs and plays with friends. Today, Lalit stands proudly among the progressive learners as one of the brightest, most hardworking students—his success shining even brighter because of the challenges he has overcome.



Restoring Vision, Renewing Life: A Journey Through Cataract Care



“Restoring sight restores self-belief—one clear vision, one transformed life at a time.”

Jaimalji Noghanji Jadeja, a resident of Navinal Village, presented with a gradual, painless decrease in vision that was interfering with his daily activities, with no history of ocular trauma, prior eye surgery, infection, or systemic illness. Initial screening at the Adani Foundation Rural Clinic, Navinal, suggested an age-related cataract, and he was referred to Adani Hospital, Mundra, for further evaluation and management.

A detailed ophthalmic examination conducted by Dr. Sachin Firke under the “Cataract Free Mundra” initiative confirmed a mature age-related cataract with reduced visual acuity, while pupillary reactions, intraocular pressure, and posterior segment findings were normal. After appropriate counseling, the patient consented to surgical intervention.

Cataract extraction with foldable intraocular lens implantation was successfully performed on 05 February 2026 using a standard phacoemulsification technique under local topical anesthesia, without complications. Postoperatively, he demonstrated rapid visual improvement with no adverse events and, with good compliance to prescribed medications and postoperative instructions, achieved full functional visual recovery within four weeks. This case highlights the effectiveness of timely rural referral, modern surgical management, and structured postoperative care under the Cataract Free Mundra initiative.



From Hardship to Hope: The Shree Saheli Journey



“We started with uncertainty, but today we work with confidence and pride.”

In Tunda village near Adani Power, limited livelihood options left many widowed and less-educated women without stable income opportunities. Recognizing their need for economic empowerment, the Adani Foundation facilitated the formation of the Shree Saheli Self-Help Group (SHG).

The group initially started a small canteen with Foundation support, but due to low patronage, the venture closed. Undeterred, the women reassessed their approach and took up a cleaning contract within the Adani Power residential colony. With continuous guidance, training, and teamwork, they gradually built confidence and professionalism.

Today, the SHG provides stable employment to over 40 community members, with nearly 50 individuals earning ₹17,000–₹20,000 per month with annual turnover of Rs. 85 lacs. Beyond financial stability, the initiative has strengthened women's confidence, leadership, and dignity. Shree Saheli SHG stands as a powerful example of resilience, collective action, and sustainable community empowerment.



A New Beginning for Barren Fields: Sustainable Farming Transforms a Farmer's Life



"With drip irrigation, my land finally came to life. For the first time, I feel hopeful about the future of my farm."

A farmer from Bagda village in Mundra Taluka faced long-standing agricultural challenges due to rocky, uneven, and rain-fed land. With no access to reliable irrigation, he depended entirely on the monsoon, leaving a portion of his land uncultivated each year. The low and uncertain productivity severely limited his income, making farming a difficult and unpredictable livelihood.

The Adani Foundation provided timely financial support that enabled the farmer to install a drip irrigation system on two acres—his first experience with modern irrigation. This reduced the risks of rain-fed farming, lowered costs, and ensured efficient water use even during dry periods.

With drip irrigation, previously barren land became fully cultivable. The farmer successfully grew coriander (dhana) with healthier crops and better yields. This support significantly improved his productivity and strengthened his income, demonstrating how modern techniques and targeted assistance can transform rural livelihoods.



From Date Palm Fields to the University Gate: Gopal's Inspiring Journey



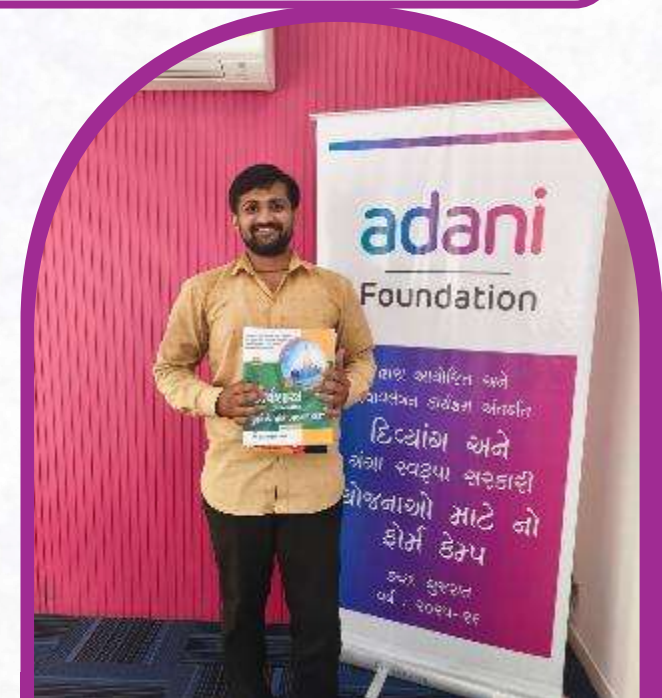
"The opportunity I received through the Adani Foundation gave me the confidence to continue chasing my dream of research and higher education."

Gopal Samra Mindhani from Zarpra Wadi in Kutch spent his early years working in his family's date palm (Kharek) orchard. Despite the demanding farm work, he remained passionate about education and successfully completed his Master's degree in Economics while continuing to help his family.

Gopal always dreamed of pursuing a PhD and researching Kutch's iconic Kharek cultivation. In 2023–24, while searching for employment to support his family, he participated in the Divyang Employment Fair organized by the Adani Foundation.

Recognizing his dedication, the Adani Foundation appointed him as an Utthan Sahayak Teacher. Along with his teaching responsibilities, Gopal continued preparing for the UGC examination with determination.

His hard work paid off when he cleared the UGC exam and secured admission to Gujarat University to pursue a PhD on Kharek research. His journey shows how determination and the right support from the Adani Foundation can transform dreams into reality.



A Hand of Hope: Malshreeben's Journey Toward Dignity



"Strength is not in the hands we have, but in the hope we hold."

In Moti Bhujpur village, Malshreeben was born without both hands, yet she grew with remarkable resilience and a quiet dream — to one day own a small piece of land where she could live close to nature. After marriage, financial constraints and fragmented family land kept that dream out of reach.

Everything changed when she received an unexpected call from the Adani Foundation's Mangal Seva initiative, informing her of a ₹10 lakh fixed deposit created in her name. Unsure it could be true, she sought confirmation twice, overwhelmed when the news was reaffirmed.

This support has transformed her life, replacing uncertainty with stability and restoring a deep sense of self-worth. Today, her long-held dream feels within reach, strengthened by dignity, confidence, and hope.

She proved that when resilience meets opportunity, even silent dreams find a voice.



Journey of Healing and Resilience



“When care is given with compassion, healing becomes a journey of strength and renewed hope.”

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 arriving at Adani Hospital, Mundra, Maharaj Saheb was welcomed by a compassionate medical team that provided attentive, personalized care. With advanced pain management, physiotherapy, and consistent support, he gradually regained strength and mobility, marking a significant recovery from his earlier immobility.

With the hospital's support, Maharaj Saheb recovered well, regained mobility, and expressed sincere gratitude to the Adani Foundation.



A Silent Courage - The story of Kajal & Savan



"Strength isn't measured by words, but by the dreams you protect and the hope you refuse to give up."

In Nandgam village, Kajal and Savan—a couple with hearing and speech impairments—struggled to secure a stable future for their children despite Savan's modest income of ₹15,000 per month.

Their primary concerns centered around ensuring quality education for their children and managing potential medical emergencies. Under the Adani Mangal Seva Yojana, the Adani Foundation identified the family for financial support and invited them to an announcement event, where they were provided a ₹10,00,000 fixed deposit to strengthen their long-term financial resilience.

This support created a dependable safety net, offering assured interest income to meet education and health-related needs. The couple expressed profound gratitude, with Kajal committing the interest earnings specifically toward her children's education. The intervention highlights the Foundation's commitment to inclusive development and its targeted efforts to uplift differently abled families.



From Darkness to Dawn: Sadiya's Inspiring Journey



"Even though my eyes cannot see clearly, my teacher helped me see my dreams more clearly. Now I believe I can achieve anything."

Born with severe vision impairment, Halepotra Sadiya, a student of Dhrub Primary School, faced significant challenges in learning. Even after four operations, her vision remained limited, making it difficult for her to read Gujarati, write clearly, and solve basic mathematics. Despite these difficulties, Sadiya was an intelligent and curious child, and with strong support from her parents, she continued attending school regularly.

A turning point came when Aziz Fatima, an Utthan Sahayak from the Adani Foundation's Project Utthan, recognized Sadiya's struggles and potential. With patience and dedication, she spent extra time guiding Sadiya and encouraged her to write in large letters to help her see and understand better. With continuous support, Sadiya gradually began overcoming her learning difficulties.

Within a year, Sadiya showed remarkable progress. She learned to read and write Gujarati, solve basic math problems, and confidently introduce herself in English during the morning assembly. Her quick responses in general knowledge sessions, storytelling, and her creative drawings reflected her growing confidence and abilities.

Today, Sadiya dreams of becoming a teacher herself. Her journey shows how the right guidance, dedication, and support from initiatives like Project Utthan and committed educators like Aziz Fatima can turn challenges into opportunities and create a brighter future.



Media Coverage

અદાણી ગ્રુપ દ્વારા દિવ્યાંગોને સ્વરોજગારી સાધન અને ઇલેક્ટ્રિક વીલચેર કરાઈ અર્પણ આત્મગૌરવ ભર્યા જીવન માટે દિવ્યાંગોમાં અનેરો ઉત્સાહ



અદાણી ગ્રુપ દ્વારા દિવ્યાંગોને સ્વરોજગારી સાધન અને ઇલેક્ટ્રિક વીલચેર કરાઈ અર્પણ આત્મગૌરવ ભર્યા જીવન માટે દિવ્યાંગોમાં અનેરો ઉત્સાહ

અદાણી ફાઉન્ડેશનનું શિક્ષણ ક્ષેત્રે અનેક યોગદાન

અદાણી ફાઉન્ડેશનને ઉચ્ચત પ્રોજેક્ટ મુદ્દા અને માંડવી વાણીકારી ક્ષેત્રે પ્રાથમિક શાળાઓ અને ૧૨ હાઈસ્કૂલોમાં વિદ્યાર્થીઓને ગુણવત્તાપૂર્ણ શિક્ષણ અને શિક્ષણીય તકો પુરી પાડે છે



અદાણી ફાઉન્ડેશનનું શિક્ષણ ક્ષેત્રે અનેક યોગદાન

મુન્દ્રા, માંડવી અને નખત્રાણના ગ્રામ્ય વિસ્તારોને પ્રગતિશીલ કરવાનો પ્રયાસ અદાણી ફાઉન્ડેશન દ્વારા વિવિધ વિકાસ કાર્યોનું ભૂમિ પૂજન કર્યું



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અદાણી ફાઉન્ડેશન દ્વારા વિરાણીયામાં વનીકરણ પ્રોજેક્ટનો શુભારંભ ૪૦ પ્રકારના સ્વદેશી રોપાઓથી લીલુધમ જંગલ ઉભુ થશે

Adani Foundation
@AdaniFoundation

The #AdaniFoundation, as part of its Utthan project, is making Mathematics both engaging & enjoyable for students. Through interactive learning elements like Abacus, Vedic Ganit and Mental Maths programs, we are nurturing their Math skills. #NationalMathematicsDay2025

અદાણી ફાઉન્ડેશન દ્વારા માછીમાર સમુદાયના વિદ્યાર્થીઓ માટે શૈક્ષણિક કીટ વિતરણ અને માર્ગદર્શન કાર્યક્રમનું આયોજન



અદાણી ફાઉન્ડેશન દ્વારા માછીમાર સમુદાયના વિદ્યાર્થીઓ માટે શૈક્ષણિક કીટ વિતરણ અને માર્ગદર્શન કાર્યક્રમનું આયોજન

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અદાણી ફાઉન્ડેશન દ્વારા આંતરરાષ્ટ્રીય મેન્થોવ દિવસની ઉજવણી

અદાણી ફાઉન્ડેશન દ્વારા મુંદ્રાના મોટા કાંડગરામાં વનીકરણનો શુભારંભ મિયાવાકી યત્નથી 'નંદનવન' અને ઓકિસજન પાર્કનું નિર્માણ



અદાણી ફાઉન્ડેશન દ્વારા મુંદ્રાના મોટા કાંડગરામાં વનીકરણનો શુભારંભ મિયાવાકી યત્નથી 'નંદનવન' અને ઓકિસજન પાર્કનું નિર્માણ



Thank You!

adani

Growth
with
Goodness

Annexure – 3

Legal Matters- Mundra: April 2026

S.No	Case Detail (No., Parties to the Case, Filed at and on)	Case Brief (Matter)	Last Status	Current Status	Obligation (if any)	Action Taken/Proposed	Remarks (Here we can mention the updates that happened during the intervening period. Depending upon what you need to disclose i.e. Comprehensively/briefly))
1	SLP 28788 of 2016 Pravinsinh Bhurabhai Chauhan Vs State of Gujarat & Others Petitioner 1. PRAVINSINGH BHURABHA CHAUHAN Respondent 2. State of Gujarat 3. APSEZ 4. MoEF&CC, New Delhi	- Public Interest Litigation was filed before the Hon'ble Gujarat High Court by Mr. Pravinsingh Bhurubha Chauhan alleging, presence of Sand dunes in the APSEZ project area. - APSEZ has submitted its representation that no Sand dunes are present in the project area and	Awaited (last listed on 14.9.2018)	Matter pending Hon'ble at Supreme Court. Next date awaited.		- APSEZ has already submitted as part of their submission to the Committee that there are no presence of "Sand dunes", in APSEZ area, inline to the authenticated maps & report available for this area. - The Committee visited Mundra on January 3 & 4, 2018 and the core issues to be examined by the Committee were (i) whether sand dunes are allotted in the forest land and whether APSEZL has destroyed/disturbed	

	5. MOC&I, New Delhi 6. Collector, Bhuj 7. Principal Secretary, Gujarat	same was also verified during the site visit carried out by the Committee, constituted by Collector, Kutch on 25.07.2014 and by Regional Office of MoEF&CC, Bhopal on 25.09.2014. Hon'ble High Court of Gujarat had dismissed the PIL filed by the Petitioner, vide their order dtd. 18.02.2015 stating that, "There is no need of constituting a new committee to look into the alleged violations as there is already a committee constituted by the ministry and a report by the same committee				them and (ii) whether measurement of land was wrongly done? The Sunita Narain committee filed its report in the Hon'ble Supreme Court of India on 14.9.2018. The Committee heard representations from both the parties and concluded that the term "Dhuva" is not synonymous with shifting sand dune. The Committee concluded that there is no incontrovertible evidence that Mor Dhuva was a sand dune and it cannot be said that M/s. APSEZL violated any conditions of the Environmental Clearance. With regards to the issue of measurement of land, the Committee stated that there was no credible evidence to show that Mor Dhuva was not part of the allotment to APSEZ and all measurements were done appropriately.	
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		has also been submitted" • Later on Special Leave Petition was filed in Supreme Court by the Petitioner vide dated 26.10.2015 against the above said order of the Hon'ble High Court of Gujarat • In view of above, Hon'ble Supreme Court vide their order dated 23.08.2017, had requested the earlier formed Sunita Narayan Committee to relook in to this matter and submit their report. • Committee had visited the site on 3/4.01.2018 and has submitted their detailed report					
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		to Hon'ble Supreme Court. Further, based on the findings of the report, the subject land is not classified as Sand dune and therefore allegations are not correct.					
2.	Kheti Vikas Seva Trust Vs Uol & Others CA 9124 of 2011 in WPPIL 12 of 2011	- The writ petition has been dismissed by the Gujarat High Court on 17th April 2015. - The Hon'ble Supreme Court of India on 18.3.2016 dismissed the appeal against the said order dated 17th April, 2015 of the Gujarat High Court. - However, an application was filed by the petitioner	10.04.2026	Matter pending before Gujarat High Court. Matter next listed on 01.05.2026		- The committee of Mr. Claude Alvaris, Mr. Subrata Maity and Deputy Conservator of Forest, Kachchh was appointed and the committee submitted its report on 7.6.2016. The committee suggested various measures like replanting of mangroves in 5333 ha area, GCZMA to re-examine the entire proposal of APSEZL in line with CRZ notification, measures to safeguard Bocha Island and annual uploading of satellite images by APSEZL. - APSEZL has challenged the recommendations of the committee stating	

		alleging non-compliance of an order of the Gujarat HC dated 12th July 2011 prohibiting the cutting of mangroves and other forests during the pendency of the petition without permission of the state forest and environment department in relation to the writ petition. The said Writ Petition before the Gujarat High Court has been disposed of by common order dated 05.09.2022. • Further, a Civil Application No. 1 of 2011 in CA 9124 of 2011				that it has exceeded its terms of reference and APSEZL has already done mangrove reforestation and is in compliance with the Environment Clearance dated 18.9.2015. the Sunita Narain Committee recommendations have already been captured in the EC conditions and the company is in compliance of the same. • As per order dated 11.07.2025 in the CA 1 of 2011, The Hon'ble Bench directed APSEZ to file a fresh affidavit to bring on record the measures taken to meet the directions of court in order dated 15.10.2015, pertaining to restoration of mangroves by plantation in lieu of damages caused due to development of Port. • APSEZ has filed the affidavit dated 22.08.2025.	
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		was filed against APSEZ and APL for initiation of contempt proceedings. • The court ordered the CA to be listed with another matter (WPPIL 121 of 2021)					
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Annexure – 4

Details of Greenbelt Development at APSEZ, Mundra

	Total Green Zone Detail till Up to March 2026				
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 – 5



“Half Yearly Environmental Monitoring Reports “



M/S. ADANI PORTS & SPECIAL ECONOMIC ZONE LTD. (WFDP-West Port)

PLOT NO: - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.

Monitoring Period: October – 2025 to March - 2026

Submitted By



UniStar Environment & Research Labs Pvt. Ltd.

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

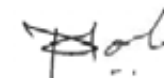


RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Oct-25		Nov-25		Dec-25			
			08-10-2025	29-10-2025	04-11-2025	18-11-2025	01-12-2025	16-12-2025		
1	pH @ 25 ° C	--	7.22	7.32	7.32	6.76	6.88	7.04	5.5 - 9.0	IS 3025(Part-11):2022
2	Total Suspended Solids	mg/L	12	16	18	12	12	14	20	APHA 24th Ed.2023,2540 -D
3	Chemical Oxygen Demand (COD)	mg/L	24.2	32.4	28.4	24.1	18.4	24.2	50	IS 3025(Part 58):2023
4	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	7.9	8.4	8	7	9	8.6	10	APHA 24th Ed.2023,5210- B
5	Total Nitrogen	mg/L	8.6	7.5	9.1	8.6	9.5	9.8	10	APHA 24th Ed.,2023,4500-B, C
6	Total Phosphorus	mg/L	0.75	0.88	0.74	0.69	0.88	0.79	1.0	APHA 24th Ed.,2023,4500-P, D
7	Fecal Coliform	MPN Index/100ml	60	70	64	80	90	50	Desirable- 100 MPN/100ml Permissible- 230 MPN/100ml	IS 1622 : 1981



Mr. Nilesh Patel
Sr. Chemist

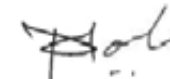
Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jan-26		Feb-26		Mar-26			
			12-01-2026	19-01-2026	02-02-2026	16-02-2026	03-03-2026	25-03-2026		
1	pH @ 25 ° C	--	7.19	7.32	7.72	7.64	6.89	5.79	5.5 - 9.0	IS 3025(Part-11):2022
2	Total Suspended Solids	mg/L	16	18	18	16	16	14	20	APHA 24th Ed.2023,2540 -D
3	Chemical Oxygen Demand (COD)	mg/L	28.2	22.2	34.1	32	18	38	50	IS 3025(Part 58):2023
4	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	9.2	8.6	8.2	9	8.2	8.2	10	APHA 24th Ed.2023,5210- B
5	Total Nitrogen	mg/L	8.6	8.2	8.6	8.4	7.5	7.9	10	APHA 24th Ed.,2023,4500-B, C
6	Total Phosphorus	mg/L	0.74	0.77	0.84	0.75	0.77	0.81	1.0	APHA 24th Ed.,2023,4500-P, D
7	Fecal Coliform	MPN Index/100ml	58	66	64	80	50	70	Desirable-100 MPN/100ml Permissible-230 MPN/100ml	IS 1622 : 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF ETP OUTLET WATER

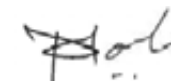
SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26		
			08-10-2025	04-11-2025	01-12-2025	12-01-2026	02-02-2026	02-03-2026		
1	pH @ 27 ° C	--	7.39	6.84	7	6.94	6.81	7.24	6.5 to 8.5	IS 3025(Part 11):2022
2	Temperature	°C	29.5	29	29	29.5	28	28	40	IS 3025(Part 9):2023
3	Colour	Pt. Co. Scale	50	50	60	50	60	50	100	IS 3025(Part 4):2021
4	Total Suspended Solids	mg/L	52	46	56	88	72	68	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	32.1	28.4	34.5	22.6	18.4	26.8	50	IS 3025(Part 34):1988,
7	BOD (3 days at 27 °C)	mg/L	24	26	27	25	24	21	30	IS 3025(Part 44):2023
8	COD	mg/L	80.1	84.2	88.5	85.5	82	72.4	100	IS 3025(Part 58):2023
9	Chloride (as Cl) ^-	mg/L	410	477.4	274.6	318.2	246.6	260.6	600	IS 3025(Part 32):1988
10	Sulphate (as SO ₄)	mg/L	58	42	36	29.4	38	34	1000	IS 3025(Part 24):2022
11	Total Dissolved Solids	mg/L	1090	1130	980	660	776	596	2100	APHA 24th Ed.2023,2540- C
12	Percent Sodium	%	46.81	46.79	46.18	47.3	46.67	47.09	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
			Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26		
			08-10-2025	04-11-2025	01-12-2025	12-01-2026	02-02-2026	02-03-2026		
14	Sulphide as S	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)	5	APHA 24th Ed.2023,4500 S- ² F
15	Sodium Absorption ratio	--	2.80	2.91	2.8	2.9	3.2	2.2	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)	--	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)	--	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)	--	APHA 24th Ed.2023,3111-B
19	Fluoride as F	mg/L	0.65	0.66	0.58	0.46	0.45	0.52	--	APHA 24th Ed.2023,4500 F, D
20	Residual Chlorine	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)	--	APHA 24th Ed.2023,4500-Cl-G



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.11	8.02	8.15	8.02	8.12	7.96	8.14	7.89	8.11	7.96	8.15	8.02	IS 3025(Part 11):2022
2.	Temperature	°C	29.4	29.3	29.2	29.1	29	28.9	28.8	28.7	28.7	28.6	28.6	28.5	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	154	128	142	130	132	112	144	126	138	122	142	126	APHA 24th Ed., 2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	2.4	BDL(MDL :1.0)	2.8	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	6.73	6.3	6.6	6.5	6.44	6.34	6.63	6.53	6.55	6.45	6.4	6.3	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.28	36.84	35.78	36.58	35.64	36.28	35.48	36.17	35.52	36.22	35.64	36.28	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	2.42	2.26	2.9	2.58	3.55	3.23	3.23	3.06	2.9	2.74	3.23	3.06	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.239	0.217	0.283	0.261	0.304	0.283	0.326	0.261	0.304	0.283	0.326	0.283	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.64	3.59	3.53	3.48	3.59	3.48	3.53	3.42	3.59	3.53	3.64	3.59	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	1.26	1.16	1.05	BDL(MDL :0.4)	1.26	1.16	1.05	BDL(MDL :0.4)	1.26	1.16	1.05	BDL(MDL :0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	6.299	6.067	6.713	6.321	7.444	6.993	7.086	6.741	6.794	6.553	7.196	6.933	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	35304	36280	35510	36120	35420	36980	35510	36924	35624	36980	35710	36964	IS 3025(Part 16):2023
15.	COD	mg/L	23.6	11.8	35.5	23.7	28.4	16.2	32	20	24	12	28	16	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 PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	3.05	3.2	3	3.4	4	4.01	6	3.92	7	4	8	7	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	5	1.55	5.2	1.45	5.26	2.14	5.22	2.43	4.98	3.2	4.26	3.7	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	110	90	112	88	110	86	112	96	112	94	116	91	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	Thalassiosira	Grammatophora	Nitzschia	Grammatophora	Nitzschia	Grammatophora	
			Thalassionema	Thalassiosira	Biddulphia	Navicula	Biddulphia	Navicula	Skeletonema	Ceratium	Skeletonema	Ceratium	Skeletonema	Ceratium	
B Zooplankton															
1	Abudance(Population)	noX103/100 m3	66		64		62		67		56		51		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		14.22		14.24		14.32		15.32		15.33		

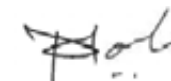
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RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	110		112		124		122		124		122		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	16		14		12		16		18		17		APHA 24 th Ed.2023,9222-B
3	Ecoli	/100ml	84		80		76		28		24		21		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 24 th Ed.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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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	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.43	0.48	0.44	0.54	0.59	0.62	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	564	575	589	612	624	628	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	%	3.35	3.39	3.12	3.26	3.33	3.62	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	124.2	130.1	118.6	120.5	125.1	110.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	584.6	596.2	574.2	566	548.2	544.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.62	3.58	3.64	3.45	3.28	3.38	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	38.9	39.4	42.2	44.9	40.2	46.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	44.5	45.2	41.8	45.2	48.4	42.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	102.5	110.2	120.8	134.2	121.1	106.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.55	1.62	1.55	1.24	1.11	1.18	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

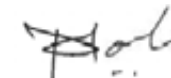
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RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
3	Population	no/m ²	366	368	360	358	360	363	



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	7.98	7.85	8.16	8.01	8.14	8.05	8.11	8.02	8.14	8.01	8.19	8.05	IS 3025(Part 11):2022
2.	Temperature	°C	29.4	29.3	29.2	29.1	29	28.9	28.8	28.7	28.6	28.5	28.5	28.4	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	144	126	152	118	156	124	134	110	128	114	134	108	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.5	BDL(MDL :1.0)	2.2	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	3.4	BDL(MDL :1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.63	6.43	6.5	6.3	6.34	6.15	6.53	6.33	6.55	6.35	6.4	6.2	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.01	36.74	35.76	36.54	35.81	36.31	35.66	36.24	35.71	36.29	35.84	36.41	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	3.06	2.74	2.9	2.58	3.39	3.06	3.06	2.9	3.39	3.06	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.196	0.174	0.239	0.217	0.217	0.196	0.239	0.196	0.348	0.304	0.326	0.304	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.39	3.32	3.64	3.59	3.42	3.39	3.64	3.48	3.74	3.69	3.69	3.59	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	1.26	1.05	BDL(MDL :0.4)	BDL(MDL :0.4)	1.16	1.05	1.26	1.16	1.05	BDL(MDL :0.4)	1.26	1.16	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.326	6.074	6.939	6.547	6.537	6.166	7.269	6.736	7.148	6.894	7.406	6.954	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	35420	36248	35360	36212	35122	36090	35320	36128	35460	36180	35320	36410	IS 3025(Part 16):2023
15.	COD	mg/L	27.5	15.7	39.5	27.6	32.4	20.3	36	24	28	16	32	20	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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.95	2.65	2.8	2.6	3	2.72	5	2.82	4	3	5	4	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.01	2.05	2.02	2.34	2.24	2.44	2.29	2.64	3.12	4	3.11	3	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	90	145	92	144	94	162	96	150	98	156	99	155	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	
			Thalassiosira	Rhizosolenia	Cyclotella	Rhizosolenia	Cyclotella	Rhizosolenia	Dinophysis	Thalassiosira	Dinophysis	Thalassiosira	Dinophysis	Thalassiosira	
			Skeletonema	Skeletonema	Skeletonema	Thalassiosira	Skeletonema	Thalassiosira	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	
Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	43		44		42		44		48		47		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		15.6		16.2		16.46		16.64		16.65		

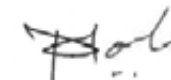
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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/m l	130		128		120		102		100		102		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100m l	32		36		34		30		28		26		APHA 24thEd.2023, 9222-B
3	E.coli	/100m l	10		12		10		14		16		2		IS :15185:2016
4	Enterococcus	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100m l	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	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.56	0.62	0.58	0.62	0.52	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	604	614	620	614	596	602	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	%	3.64	3.56	3.42	3.29	3.15	3.34	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	138.6	144.2	126.5	110.4	125.2	142.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	618.6	586.3	565.2	542.4	552.4	576.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.82	3.71	3.65	3.45	3.36	3.21	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	46.8	44.2	48.1	42.9	44.5	49.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.4	50.2	49.2	44.8	41.9	38.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	106.4	110	102.4	110.4	124.2	112.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.62	1.42	1.31	1.2	1.22	1.28	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

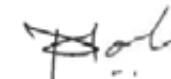
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RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Decapods Larvae</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24th Ed. 2023)10500
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Amphipods</i>	
2	MeioBenthos	--	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Decapods Larvae</i>	<i>Herpectacoids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	
			<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
3	Population	no/m ²	301	300	286	294	300	302	



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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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.09	7.95	8.21	8.06	8.24	8.12	8.17	8.09	8.14	8.05	8.18	7.96	IS 3025(Part 11):2022
2.	Temperature	°C	29.3	29.2	29.2	29.1	28.9	28.8	28.7	28.6	28.6	28.5	28.5	28.4	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	158	122	146	118	158	126	144	110	134	112	144	118	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.7	BDL(MDL: 1.0)	2.5	BDL(MDL: 1.0)	2.4	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.63	6.53	6.5	6.4	6.34	6.25	6.53	6.43	6.55	6.45	6.4	6.3	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.82	36.82	35.78	36.41	35.62	36.44	35.58	36.29	35.64	36.38	35.72	36.46	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	3.06	2.9	2.58	2.42	2.42	2.26	2.74	2.58	3.23	3.06	2.9	2.74	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.217	0.196	0.196	0.174	0.239	0.217	0.261	0.217	0.326	0.283	0.283	0.261	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.59	3.53	3.48	3.42	3.48	3.39	3.69	3.64	3.64	3.59	3.53	3.48	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	BDL(MDL: 0.4)	1.05	1.37	1.26	1.05	BDL(MDL: 0.4)	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.867	6.626	6.256	6.014	6.139	5.867	6.691	6.437	7.196	6.933	6.713	6.481	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	35124	36328	35340	36110	35240	36220	35460	36550	35520	36740	35260	36458	IS 3025(Part 16):2023
15.	COD	mg/L	19.7	7.9	31.6	19.7	24.3	12.2	28	16	20	8	24	12	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.46	2.2	2.52	2.4	2.54	2.38	2.64	2.44	3.25	288	3.24	287	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.5	1.45	1.8	1.46	1.99	1.64	2	1.55	6	2.01	7	2.02	
3.	Cell Count	No. x 10³/L	145	95	143	92	140	90	144	100	140	96	141	97	
4	Name of Group Number and name of group species of each group	--	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	APHA (24th Ed. 2023)10200A-G
			<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	
			<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	
			<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	
			<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	40		48		44		48		41		50		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		<i>Copepods</i>		<i>Copepods</i>		<i>Rhizosolenia</i>		<i>Crustacean</i>		<i>Crustacean</i>		<i>Crustacean</i>		
			<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		<i>Crustacean Larvae</i>		<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		
			<i>Egg(Fish and Shrimps)</i>		<i>Egg(Fish and Shrimps)</i>		<i>Egg(Fish and Shrimps)</i>		<i>Crustacean Larvae</i>		<i>Crustacean Larvae</i>		<i>Crustacean Larvae</i>		
			<i>Crustacean</i>		<i>Pinnularia</i>		<i>Oikoplura</i>		<i>Crustacean</i>		<i>Crustacean</i>		<i>Egg(Fish and Shrimps)</i>		
			<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		<i>Thalassionema</i>		<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		
3	Total Biomass	ml/100 m³	15.2		14.8		15.2		15.62		15.34		15.33		

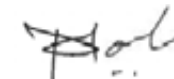
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RESULTS OF MARINE WATER [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTOM	SURFACE	BOTTO M	SURFACE	BOTTO M			
C			Microbiological												
1	Total Bacterial Count	CFU/m l	148		140		134		144		138		122		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100m l	30		36		28		24		22		17		APHA 24thEd.2023, 9222-B
3	E.coli	/100m l	24		22		20		16		14		21		IS :15185:2016
4	Enterococcus	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.52	0.65	0.54	0.45	0.49	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	534	514	538	564	588	605.2	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	%	3.42	3.55	3.39	3.25	3.19	3.38	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	112	119.2	124.6	118.2	128.4	133.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	564	544	562	546	562.2	558.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.44	3.51	3.49	3.29	3.35	3.25	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.9	45.6	41.8	44.3	41.8	44.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	40.6	51.2	52.5	48.2	44.3	42.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	120	126.2	130.2	106.5	110.2	105.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.56	1.59	1.46	1.29	1.22	1.25	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

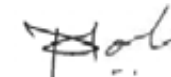
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RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
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/m ²	296	280	297	300	288	363	



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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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.07	7.88	8.17	7.98	8.16	7.99	8.12	7.88	8.09	7.88	8.14	7.96	IS 3025(Part 11):2022
2.	Temperature	°C	29.2	29.1	29.1	29	28.9	28.8	28.8	28.7	28.6	28.5	28.5	28.4	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	166	134	128	112	134	104	142	112	134	116	114	96	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.2	BDL(MDL: 1.0)	3.1	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	6.83	6.63	6.7	6.5	6.54	6.34	6.73	6.53	6.75	6.55	6.59	6.4	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.11	36.84	36.03	36.81	36.12	36.47	35.74	36.41	35.81	36.54	35.62	36.72	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	3.71	3.55	3.23	3.06	2.74	2.42	2.9	2.58	3.55	3.39	3.06	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.239	0.217	0.261	0.239	0.217	0.174	0.174	0.152	0.217	0.196	0.304	0.283	APHA 24th Ed.2023,4500NO2B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.85	3.8	3.53	3.48	3.48	3.39	3.39	3.32	3.74	3.64	3.53	3.48	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	BDL(MDL: 0.4)	1.16	1.16	1.05	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.16	1.05	1.16	BDL(MDL: 0.4)	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.799	7.567	7.021	6.779	6.437	5.984	6.464	6.052	7.507	7.226	6.894	6.663	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	35622	36414	35240	36080	35150	35960	35290	36188	35350	36240	35340	36190	IS 3025(Part 16):2023
15.	COD	mg/L	19.7	11.8	31.6	23.7	28.4	16.2	28	20	20	12	24	16	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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.6	4	2.4	6	2.44	8	2.54	3.66	4.2	2.64	4.1	2.65	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.3	9	2.2	8	2.64	6	2.6	2.61	3.6	2.72	3.5	2.71	
3.	Cell Count	No. x 10³/L	155	85	156	89	150	92	148	94	150	94	151	93	
4	Name of Group Number and name of group species of each group	--	Coscino discus	Surirella	Surirella	Surirella	Coscino discus	Surirella	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	
			Diploneis	Biddulphia	Diploneis	Biddulphia	Diploneis	Biddulphia	Melosira	Diploneis	Melosira	Diploneis	Melosira	Diploneis	
			Rhizosolenia	Navicula	Thalassiothrix	Coscino discus	Skeletonema	Coscino discus	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Navicula	Thalassiosira	Navicula	Thalassiosira	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	
			Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	
Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	35		36		40		52		46		45		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	14.3		15.2		14.28		14.32		14.62		14.61		

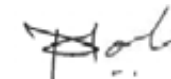
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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	112		110		112		126		118		110		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	40		36		30		38		32		31		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	10		14		11		14		12		11		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
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	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.52	0.58	0.47	0.49	0.52	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	610	612	625	610	621	628	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	%	3.42	3.52	3.48	3.42	3.44	3.25	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	105	110	124	112	118	134	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	444.8	442.1	426.1	415.2	420.5	456.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.46	3.62	3.54	3.24	3.11	3.28	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	45.2	46.8	44.2	42.8	44.2	41.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	51.6	52.1	55.6	51.2	49.6	52.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	186.2	174.6	165.2	134.6	124	118.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.56	1.62	1.52	1.12	1.16	1.24	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

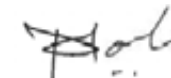
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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
D	Benthic Organisms								
1	Macrobenthos	--	<i>Foraminiferan</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	APHA (24th Ed. 2023)10500
			<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Turbellarians</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Polychates</i>	<i>Turbellarians</i>	<i>Decapods Larvae</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
3	Population	no/m ²	300	292	280	264	246	363	



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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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.16	8.05	8.09	7.89	8.11	7.99	8.09	7.89	8.15	8.01	8.17	8.98	IS 3025(Part 11):2022
2.	Temperature	°C	29.2	29.1	29.1	29	28.8	28.7	28.6	28.5	28.4	28.3	28.5	28.4	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	132	104	118	96	138	104	128	110	122	112	116	78	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27oC)	mg/L	2.8	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	3.3	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.53	6.43	6.4	6.3	6.25	6.15	6.43	6.33	6.45	6.35	6.3	6.2	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.65	36.75	35.74	36.81	35.92	36.88	35.74	36.72	35.86	36.74	36.02	36.98	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	3.39	3.23	2.58	2.42	3.06	2.9	3.71	3.55	2.74	2.58	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO2	µmol/L	0.174	0.152	0.174	0.152	0.283	0.261	0.239	0.217	0.174	0.152	0.261	0.239	APHA 24th Ed.2023,4500NO2 B
10.	Ammonical Nitrogen as NH3	µmol/L	3.9	3.85	3.69	3.64	3.32	3.26	3.59	3.53	3.64	3.53	3.42	3.39	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO4	µmol/L	1.37	1.26	1.05	BDL(MDL: 0.4)	1.16	1.05	1.05	BDL(MDL: 0.4)	1.37	1.26	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.304	7.062	7.254	7.022	6.183	5.941	6.889	6.647	7.524	7.232	6.421	6.209	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	35340	36130	35540	36322	35260	36240	35310	36380	35410	36560	35116	36284	IS 3025(Part 16):2023
15.	COD	mg/L	11.8	7.9	23.7	19.7	16.2	12.2	20	16	12	8	16	12	IS 3025(Part 58):2023

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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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.14	3.21	3.16	3.24	3.24	3.2	3.22	3.36	3.92	3.34	3.91	3.33	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.5	1.3	2.45	1.4	2.4	1.34	2.62	1.42	2.56	2.34	2.55	2.33	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	120	116	119	112	120	114	124	112	132	116	131	117	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Diploneis	Navicula	Diploneis	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	Thalassiosira	Cyclotella	Thalassiosira	Cyclotella	Coscinodiscus	
			Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	50		56		52		60		62		61		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	14.14		16.14		18.3		18.34		18.42		18.41		

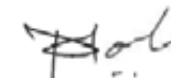
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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	140		136		132		124		120		121		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	36		30		34		28		30		32		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	14		12		14		12		10		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 24 th Ed.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 [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.52	0.58	0.56	0.49	0.46	0.53	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	610	621	614	602	611	596.2	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	%	3.68	3.56	3.51	3.26	3.15	3.24	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	142.2	152.3	144.6	122.1	120.5	124.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	508.5	512.2	532.1	542.4	528	520.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.44	3.56	3.62	3.25	3.11	3.26	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	56.9	58.4	54.6	50.2	46.5	44.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	44.6	42.2	44.5	49.2	44.8	42.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	121.2	114.2	122.4	115.1	124.3	121.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.69	1.56	1.48	1.06	1.15	1.16	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

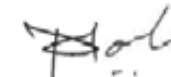
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RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Sipunculids</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Gastropods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	
			<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
2	MeioBenthos	--	Decapods Larvae	Decapods Larvae	Foraminiferan	Polychates	Herpectacoids	<i>Herpectacoids</i>	
			<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	
3	Population	no/m ²	306	304	300	286	272	274	



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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.17	7.95	8.21	8.08	8.06	7.86	8.14	8.01	8.04	7.84	8.17	8.05	IS 3025(Part 11):2022
2.	Temperature	°C	29.3	29.2	29.2	29.1	28.7	28.6	28.6	28.5	28.7	28.6	28.6	28.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	138	122	144	126	136	112	144	118	108	96	124	108	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.7	BDL(MDL: 1.0)	2.5	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.5	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.73	6.63	6.6	6.5	6.44	6.34	6.63	6.53	6.65	6.55	6.49	6.4	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.21	36.66	35.96	36.59	35.56	36.82	35.44	36.91	35.51	36.88	35.66	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	3.55	3.39	2.9	2.74	2.9	2.58	3.23	2.9	3.39	3.23	3.06	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.326	0.304	0.283	0.261	0.152	0.13	0.196	0.174	0.261	0.217	0.304	0.283	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.74	3.69	3.8	3.74	3.69	3.64	3.42	3.39	3.59	3.48	3.74	3.69	APHA 24th Ed.2023,4500-NH ₃ B
11.	Phosphates as PO ₄	μmol/L	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.37	1.26	1.26	1.16	1.16	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.616	7.384	6.983	6.741	6.742	6.35	6.846	6.464	7.241	6.927	7.104	6.873	APHA 24th Ed.2023,4500 NH ₃
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	36246	37050	36108	36860	36380	37020	36420	37110	36320	37090	35964	37120	IS 3025(Part 16):2023
15.	COD	mg/L	15.7	11.8	19.7	15.8	16.2	12.2	16	12	8	4	12	8	IS 3025(Part 58):2023

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.08	2.9	3.12	2.6	3.16	2.62	3.12	2.52	3.52	3.06	3.54	3.07	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.9	1.72	3	1.72	4	1.8	6	1.94	8	2.31	6	2.32	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	93	120	92	122	90	128	98	124	100	120	102	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	Thalassiosira	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	Abundance (Population)	noX10³/ 100 m³	44		42		46		42		38		37		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		16.5		15.8		15.92		15.84		15.83		

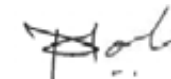
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RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	98		96		102		106		108		100		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	28		24		27		30		26		25		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	10		10		10		10		12		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 MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.16	8.04	8.21	8.11	8.14	7.84	8.18	7.98	8.22	8.11	8.24	8.06	IS 3025(Part 11):2022
2.	Temperature	°C	29.3	29.2	29.2	29.1	28.8	28.7	28.6	28.5	28.7	28.6	28.6	28.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	142	118	162	142	150	126	154	122	126	114	146	122	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)	2.5	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.5	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.94	6.73	6.8	6.6	6.64	6.44	6.83	6.63	6.84	6.65	6.69	6.49	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.81	36.88	35.86	36.51	35.72	36.29	35.62	36.38	35.66	36.44	36.75	36.81	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	4.03	3.87	3.23	3.06	3.06	2.74	2.58	2.42	3.55	3.39	3.39	3.23	APHA 24th Ed.2023,4500 NO3-
9.	Nitrite as NO ₂	μmol/L	0.261	0.239	0.217	0.196	0.174	0.13	0.152	0.13	0.239	0.217	0.261	0.239	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.8	3.74	3.64	3.59	3.53	3.48	3.53	3.42	3.64	3.59	3.59	3.53	APHA 24th Ed.2023,4500-NH ₃
11.	Phosphates as PO ₄	μmol/L	1.16	1.05	1.37	1.26	1.05	BDL(MDL: 0.4)	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	8.091	7.849	7.087	6.846	6.764	6.35	6.262	5.97	7.429	7.197	7.241	6.999	APHA 24th Ed.2023,4500 NH ₃
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	36340	35340	36104	35360	36210	36550	36354	35418	36210	35444	36324	IS 3025(Part 16):2023
15.	COD	mg/L	19.7	11.8	23.7	15.8	20.3	12.2	20	12	12	4	16	8	IS 3025(Part 58):2023

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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	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
	PARAMETERS		SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.2	3.1	3.3	3.2	3.28	3.24	2.88	3.26	4.1	3.36	4.1	3.37	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.2	1.2	1.4	1.34	1.39	1.26	1.42	2.01	2	2.64	2	2.65	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	112	100	110	96	122	98	110	86	98	88	98	87	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	Thalassiosira	Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Thalassiothrix	Cyclotella	Thalassiothrix	Cyclotella	Thalassiothrix	Grammatophora	
			Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	
B Zooplankton															
1	Abundance(Population)	noX10³/ 100 m³	36		39		28		30		42		41		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	14.8		14.6		16.2		16.34		16.38		16.39		

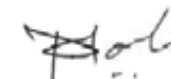
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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	12		10		114		118		112		114		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	16		12		10		12		10		11		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	8		6		4		6		4		5		IS :15185:2016
4	Enterococcus	/100ml	6		8		6		8		6		7		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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Mr. Nitin Tandel
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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	Oct-25 SEDIMENT	Nov-25 SEDIMENT	Dec-25 SEDIMENT	Jan-26 SEDIMENT	Feb-26 SEDIMENT	Mar-26 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.55	0.59	0.56	0.51	0.56	0.62	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	590.4	610.2	612.4	594.2	602	594	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	%	3.74	3.65	3.44	3.28	3.24	3.36	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	134.2	132.2	128.5	114.2	132.4	134.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	588.6	604.2	610.5	596.3	602.5	564.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.75	3.62	3.48	3.42	3.38	3.21	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.2	48.1	46.2	44.5	41.6	44.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.2	55.4	52.8	51.1	50.4	42.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	109.5	110.6	121.4	109.2	110.8	126.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.65	1.59	1.44	1.06	1.12	1.19	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

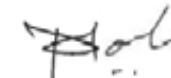
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RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	<i>Polychates</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	APHA (24th Ed. 2023)10500
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
			<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
3	Population	no/m ²	362	360	352	350	340	342	



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.24	8.09	8.11	7.98	8.14	8.01	8.19	8.05	8.24	8.12	8.21	8.07	IS 3025 (Part 11):2022
2.	Temperature	°C	29.3	29.2	29.2	29.1	28.8	28.7	28.6	28.5	28.7	28.6	28.6	28.5	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	152	114	122	106	118	96	120	90	114	96	138	120	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.3	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.63	6.53	6.5	6.4	6.34	6.25	6.53	6.43	6.55	6.45	6.4	6.3	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.22	36.79	36.09	36.71	36.14	36.82	35.78	36.92	35.82	37.02	35.74	37.15	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	3.55	3.39	3.39	3.23	3.23	2.9	2.74	2.58	3.06	2.9	2.9	2.74	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.304	0.283	0.261	0.239	0.13	0.109	0.196	0.174	0.283	0.261	0.304	0.283	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.85	3.8	3.74	3.69	3.8	3.69	3.53	3.42	3.69	3.64	3.48	3.42	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	BDL(MDL: 0.4)	1.05	1.26	1.16	1.16	BDL(MDL: 0.4)	1.26	1.16	1.37	1.26	1.26	1.16	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.704	7.473	7.391	7.159	7.16	6.699	6.466	6.174	7.033	6.801	6.684	6.443	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	35360	36180	36222	36020	36280	36220	36190	37160	36090	36940	35860	36746	IS 3025(Part 16):2023
15.	COD	mg/L	19.7	15.7	23.7	19.7	20.3	16.2	16	12	8	4	12	8	IS 3025(Part 58):2023

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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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTO M	SURFACE	BOTTO M	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTO M	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.3	2..5	2.4	2.4	3.01	2.24	3.15	2.42	3.56	3.01	3.54	3.02	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.4	1.5	2.2	1.46	2.47	1.46	2.45	1.38	2.2	2.31	2.2	2.32	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	130	115	132	116	134	114	133	124	120	126	122	127	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Dinophy sis	Navicula	Odentell a	Cyclotell a	Cyclotell a	Surirella	Odentell a	Nitzschia	Odentell a	Nitzschia	Odentell a	Nitzschia	APHA (24th Ed. 2023)10200A-G
			Pinnulari a	Skeleton ema	Rhizosol enia	Pinnulari a	Pinnulari a	Skeleton ema	Rhizosol enia	Pinnulari a	Rhizosol enia	Pinnulari a	Rhizosol enia	Pinnulari a	
			Thalassi othrix	Rhizosol enia	Coscinod iscus	Skeleton ema	Thalassi othrix	Rhizosol enia	Coscinod iscus	Odontell a	Coscinod iscus	Odontell a	Coscinod iscus	Odontell a	
			Gramma tophora	Dinophy sis	Gramma tophora	Thallassi osira	Rhizosol enia	Cyclotell a	Gramma tophora	Dinophy sis	Gramma tophora	Dinophy sis	Pleurosi gma	Dinophy sis	
			Ceratiu m	Thalassi onema	Thallassi osira	Thalassi onema	Ceratiu m	Thalassi onema	Thallassi osira	Surirella	Thallassi osira	Surirella	Thallassi osira	Surirella	

B															
Zooplankton															
1	Abudance(Populat ion)	noX103/ 100 m3	30		34		32		38		40		42		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	15.25		14.02		12.83		13.22		13.42		13.41		

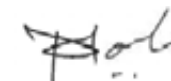
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RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	230		226		216		204		194		198		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	40		32		36		28		30		32		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	36		34		30		34		24		26		IS :15185:2016
4	Enterococcus	/100ml	10		8		10		4		6		5		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
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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Mr. Nitin Tandel
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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.14	8.01	8.25	8.07	8.22	8.12	8.17	7.96	8.21	8.08	8.14	8.01	IS 3025 (Part 11):2022
2.	Temperature	°C	29.3	29.2	29.2	29.1	28.9	28.8	28.7	28.6	28.6	28.5	28.5	28.4	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	140	122	158	144	144	102	128	114	148	126	158	126	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)	3.2	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	3.5	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.83	6.73	6.7	6.6	6.54	6.44	6.73	6.63	6.75	6.65	6.59	6.49	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.32	37.02	36.08	36.92	35.96	37.05	36.02	37.12	36.18	37.14	36.22	37.26	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	2.74	3.23	3.06	2.74	2.58	3.23	3.06	3.39	3.06	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.261	0.239	0.217	0.196	0.196	0.174	0.152	0.13	0.196	0.174	0.217	0.196	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.95	3.85	3.8	3.74	3.85	3.74	3.74	3.69	3.53	3.48	3.64	3.59	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	µmol/L	1.58	1.47	1.16	BDL(MDL :0.4)	1.37	1.26	1.47	1.37	BDL(MDL :0.4)	BDL(MDL :0.4)	1.05	BDL(MDL :0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.951	6.669	6.917	6.676	7.276	6.974	6.632	6.4	6.956	6.714	7.247	6.846	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	36240	37120	36118	36940	36240	37120	36324	37094	36340	37110	36216	37080	IS 3025(Part 16):2023
15.	COD	mg/L	27.5	23.6	31.6	27.6	24.3	20.3	28	24	20	16	24	20	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	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.1	2.5	2.12	2.6	2.18	2.48	2.22	2.5	3	3.22	4	3.21	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.15	1.55	1.22	1.6	1.29	1.52	1.32	1.66	2	2.64	3	2.65	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	79	130	80	132	84	130	92	136	96	130	97	133	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Ceratiu m	Melosira	Ceratiu m	Rhizosol enia	Surirella	Rhizosol enia	Skeleton ema	Odentell a	Skeleton ema	Odentell a	Skeleton ema	Odentell a	APHA (24th Ed. 2023)10200A-G
			Pinnulari a	Dinophy sis	Pinnulari a	Dinophy sis	Pinnulari a	Dinophy sis	Gramma tophora	Rhizosol enia	Gramma tophora	Rhizosol enia	Gramma tophora	Rhizosol enia	
			Odontell a	Skeleton ema	Odontell a	Skeleton ema	Gramma tophora	Skeleton ema	Nitzschia	Coscinod iscus	Nitzschia	Coscinod iscus	Nitzschia	Coscinod iscus	
			Thalassi othrix	Thallassi osira	Thalassi othrix	Thallassi osira	Thalassi othrix	Thallassi osira	Thalassi othrix	Gramma tophora	Thalassi othrix	Gramma tophora	Coscinod iscus	Pinnulari a	
			Thallassi osira	Thalassi onema	Thallassi osira	Melosira	Rhizosol enia	Melosira	Pleurosi gma	Thallassi osira	Pleurosi gma	Thallassi osira	Pleurosi gma	Thallassi osira	
B Zooplankton															
1	Abudance (Populati on)	noX10 3/ 100 m3	75		72		74		80		86		88		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	14.5		15		16		15.96		15.86		15.87		

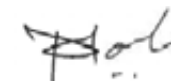
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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO	TEST PARAMETER S	UNIT	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	250		246		238		228		228		226		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	45		44		50		48		48		51		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	48		42		40		46		46		43		IS :15185:2016
4	Enterococcus	/100ml	32		30		20		22		22		21		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
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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Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2025	64.38	22.91	25.37	29.11	0.55	--	NOT DETECTED
2.	06-10-2025	67.87	24.49	27.42	32.39	0.58	3.34	NOT DETECTED
3.	09-10-2025	70.14	27.64	28.61	31.88	0.63	3.46	NOT DETECTED
4.	13-10-2025	65.49	26.3	23.45	27.64	0.55	3.39	NOT DETECTED
5.	16-10-2025	63.46	24.32	22.45	26.43	0.49	3.32	NOT DETECTED
6.	20-10-2025	67.59	25.47	25.16	28.68	0.54	3.51	NOT DETECTED
7.	23-10-2025	72.64	29.15	30.74	34.36	0.77	3.64	NOT DETECTED
8.	27-10-2025	70.53	28.62	27.18	32.74	0.71	3.57	NOT DETECTED
9.	30-10-2025	66.48	25.36	24.41	28.55	0.56	3.49	NOT DETECTED
10.	03-11-2025	69.38	27.12	25.83	29.15	0.61	3.45	NOT DETECTED
11.	06-11-2025	67.49	25.38	22.63	27.34	0.55	3.56	NOT DETECTED
12.	10-11-2025	61.27	23.82	20.13	24.73	0.47	3.35	NOT DETECTED
13.	13-11-2025	64.37	25.19	22.65	27.32	0.62	3.29	NOT DETECTED
14.	17-11-2025	70.13	28.74	27.83	32.15	0.68	3.52	NOT DETECTED
15.	20-11-2025	66.93	24.62	23.41	28.49	0.54	3.41	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	24-11-2025	63.29	22.14	18.67	22.42	0.39	3.33	NOT DETECTED
17.	27-11-2025	71.83	26.53	24.36	28.25	0.5	3.6	NOT DETECTED
18.	01-12-2025	72.38	30.19	26.82	30.18	0.58	3.56	NOT DETECTED
19.	04-12-2025	70.74	29.83	27.49	32.46	0.49	3.52	NOT DETECTED
20.	08-12-2025	65.85	27.46	23.72	27.68	0.42	3.61	NOT DETECTED
21.	11-12-2025	69.73	28.48	26.89	30.19	0.52	3.67	NOT DETECTED
22.	15-12-2025	72.38	32.46	30.62	34.27	0.63	3.72	NOT DETECTED
23.	18-12-2025	75.94	35.16	32.53	37.42	0.7	3.77	NOT DETECTED
24.	22-12-2025	70.81	30.98	27.63	32.49	0.65	3.63	NOT DETECTED
25.	25-12-2025	68.95	28.27	26.53	31.92	0.57	3.57	NOT DETECTED
26.	29-12-2025	66.73	27.89	25.94	29.13	0.54	3.5	NOT DETECTED
27.	01-01-2026	64.83	25.42	23.19	27.72	0.50	--	NOT DETECTED
28.	05-01-2026	67.83	27.18	24.87	29.63	0.58	3.56	NOT DETECTED
29.	08-01-2026	65.19	24.53	23.64	26.99	0.55	3.49	NOT DETECTED
30.	12-01-2026	60.92	22.16	20.19	25.63	0.47	3.44	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	15-01-2026	63.29	24.74	22.64	27.12	0.52	3.52	NOT DETECTED
32.	19-01-2026	67.94	27.59	26.84	32.54	0.61	3.58	NOT DETECTED
33.	22-01-2026	70.13	30.82	28.63	34.17	0.65	3.66	NOT DETECTED
34.	26-01-2026	65.94	26.53	23.54	28.32	0.57	3.59	NOT DETECTED
35.	29-01-2026	68.42	27.94	26.11	31.47	0.61	3.62	NOT DETECTED
36.	02-02-2026	66.94	26.15	25.32	30.94	0.56	3.6	NOT DETECTED
37.	05-02-2026	70.13	28.37	26.85	32.38	0.63	3.76	NOT DETECTED
38.	09-02-2026	72.38	29.84	27.94	33.64	0.67	3.72	NOT DETECTED
39.	12-02-2026	75.74	31.37	29.71	35.14	0.58	3.84	NOT DETECTED
40.	16-02-2026	67.94	27.63	25.34	29.83	0.47	3.63	NOT DETECTED
41.	19-02-2026	69.53	28.91	27.18	32.46	0.52	3.71	NOT DETECTED
42.	23-02-2026	71.93	30.84	28.94	31.68	0.64	3.79	NOT DETECTED
43.	26-02-2026	66.84	26.24	23.48	26.94	0.58	3.58	NOT DETECTED
44.	02-03-2026	69.61	24.58	22.13	26.64	0.53	3.51	NOT DETECTED
45.	05-03-2026	73.47	28.52	24.76	28.65	0.6	3.59	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	09-03-2026	77.94	30.11	27.64	32.13	0.64	3.7	NOT DETECTED
47.	12-03-2026	74.39	27.54	24.37	28.69	0.58	3.63	NOT DETECTED
48.	16-03-2026	70.13	24.76	21.46	24.35	0.52	3.54	NOT DETECTED
49.	19-03-2026	65.48	20.14	17.69	22.94	0.39	3.42	NOT DETECTED
50.	23-03-2026	68.94	22.63	19.55	23.84	0.43	3.49	NOT DETECTED
51.	26-03-2026	72.39	25.31	22.46	27.64	0.54	3.57	NOT DETECTED
52.	30-03-2026	76.49	27.65	24.38	29.12	0.58	3.69	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)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2025	68.53	28.76	25.55	30.14	0.51	--	NOT DETECTED
2.	06-10-2025	71.28	30.13	26.91	32.63	0.56	2.54	NOT DETECTED
3.	09-10-2025	74.36	33.62	28.36	33.29	0.62	2.59	NOT DETECTED
4.	13-10-2025	70.89	32.46	27.39	31.61	0.64	2.68	NOT DETECTED
5.	16-10-2025	75.36	35.41	31.18	35.67	0.71	2.76	NOT DETECTED
6.	20-10-2025	67.59	28.53	29.74	34.25	0.61	2.72	NOT DETECTED
7.	23-10-2025	65.47	29.65	28.32	32.54	0.57	2.66	NOT DETECTED
8.	27-10-2025	71.27	32.15	30.78	34.5	0.66	2.65	NOT DETECTED
9.	30-10-2025	75.17	36.28	33.64	37.15	0.73	2.74	NOT DETECTED
10.	03-11-2025	73.94	32.46	29.85	35.13	0.67	2.65	NOT DETECTED
11.	06-11-2025	70.13	29.83	25.49	30.28	0.6	2.53	NOT DETECTED
12.	10-11-2025	65.48	26.51	23.17	27.64	0.51	2.58	NOT DETECTED
13.	13-11-2025	63.29	24.38	22.13	25.39	0.43	2.36	NOT DETECTED
14.	17-11-2025	67.59	28.64	24.48	29.62	0.57	2.60	NOT DETECTED
15.	20-11-2025	70.72	31.56	27.63	33.25	0.68	2.68	NOT DETECTED

Continue...

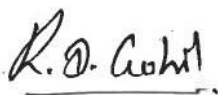
Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	24-11-2025	73.28	35.94	32.82	37.57	0.75	2.82	NOT DETECTED
17.	27-11-2025	71.89	31.52	29.15	34.21	0.65	2.71	NOT DETECTED
18.	01-12-2025	68.59	29.38	28.71	33.63	0.61	2.57	NOT DETECTED
19.	04-12-2025	72.39	32.84	31.46	36.18	0.68	2.64	NOT DETECTED
20.	08-12-2025	74.85	35.41	33.98	37.28	0.75	2.79	NOT DETECTED
21.	11-12-2025	76.94	36.47	36.12	41.29	0.82	2.77	NOT DETECTED
22.	15-12-2025	73.28	33.15	32.75	37.92	0.78	2.71	NOT DETECTED
23.	18-12-2025	70.94	30.47	28.73	33.16	0.71	2.67	NOT DETECTED
24.	22-12-2025	67.59	28.73	26.17	32.3	0.6	2.58	NOT DETECTED
25.	25-12-2025	69.95	30.13	29.87	34.36	0.66	2.62	NOT DETECTED
26.	29-12-2025	72.39	33.73	31.38	37.81	0.73	2.68	NOT DETECTED
27.	01-01-2026	74.83	35.16	32.62	36.51	0.68	--	NOT DETECTED
28.	05-01-2026	71.39	33.68	30.83	34.27	0.61	2.69	NOT DETECTED
29.	08-01-2026	67.95	29.18	28.63	33.26	0.64	2.63	NOT DETECTED
30.	12-01-2026	65.94	26.84	24.36	28.75	0.58	2.58	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	15-01-2026	69.73	31.28	28.53	32.14	0.72	2.61	NOT DETECTED
32.	19-01-2026	65.94	27.87	25.43	29.37	0.66	2.66	NOT DETECTED
33.	22-01-2026	67.94	29.15	26.69	30.56	0.55	2.72	NOT DETECTED
34.	26-01-2026	64.93	25.74	22.46	25.13	0.46	2.59	NOT DETECTED
35.	29-01-2026	66.18	27.42	25.49	28.28	0.57	2.63	NOT DETECTED
36.	02-02-2026	68.95	28.64	26.61	32.14	0.55	2.56	NOT DETECTED
37.	05-02-2026	72.37	30.13	27.98	30.82	0.58	2.61	NOT DETECTED
38.	09-02-2026	74.18	31.45	29.74	34.29	0.65	2.67	NOT DETECTED
39.	12-02-2026	70.58	28.63	25.14	30.82	0.53	2.54	NOT DETECTED
40.	16-02-2026	73.48	33.82	30.76	36.73	0.6	2.44	NOT DETECTED
41.	19-02-2026	67.95	29.57	27.63	33.29	0.56	2.61	NOT DETECTED
42.	23-02-2026	71.63	31.37	28.94	31.49	0.68	2.58	NOT DETECTED
43.	26-02-2026	75.94	34.51	31.94	36.48	0.62	2.65	NOT DETECTED
44.	02-03-2026	79.63	32.13	27.64	31.87	0.57	2.73	NOT DETECTED
45.	05-03-2026	77.42	28.76	26.31	29.78	0.5	2.68	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	09-03-2026	73.49	23.28	20.73	25.46	0.44	2.61	NOT DETECTED
47.	12-03-2026	78.95	25.74	22.17	28.42	0.6	2.65	NOT DETECTED
48.	16-03-2026	67.95	22.78	18.76	23.13	0.64	2.54	NOT DETECTED
49.	19-03-2026	69.12	24.65	21.46	26.87	0.72	2.58	NOT DETECTED
50.	23-03-2026	72.48	27.23	25.49	32.13	0.75	2.64	NOT DETECTED
51.	26-03-2026	79.65	30.43	27.39	35.47	0.69	2.7	NOT DETECTED
52.	30-03-2026	74.39	26.57	23.13	28.47	0.66	2.66	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)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2025	73.29	31.30	26.91	31.68	0.69	--	NOT DETECTED
2.	06-10-2025	68.59	27.35	25.49	30.24	0.71	3.56	NOT DETECTED
3.	09-10-2025	71.29	29.92	28.53	32.4	0.78	3.43	NOT DETECTED
4.	13-10-2025	76.59	34.27	33.25	37.74	0.84	3.6	NOT DETECTED
5.	16-10-2025	74.39	32.19	31.26	36.52	0.75	3.69	NOT DETECTED
6.	20-10-2025	71.29	30.89	28.57	32.34	0.64	3.63	NOT DETECTED
7.	23-10-2025	80.85	36.47	33.65	38.59	0.83	3.75	NOT DETECTED
8.	27-10-2025	78.56	34.51	31.14	35.71	0.77	3.68	NOT DETECTED
9.	30-10-2025	72.38	32.67	28.73	32.49	0.66	3.58	NOT DETECTED
10.	03-11-2025	69.63	28.49	25.91	30.19	0.62	3.56	NOT DETECTED
11.	06-11-2025	67.48	25.95	22.36	27.63	0.58	3.5	NOT DETECTED
12.	10-11-2025	73.27	30.26	27.87	33.26	0.72	3.63	NOT DETECTED
13.	13-11-2025	71.39	28.73	26.47	31.29	0.67	3.67	NOT DETECTED
14.	17-11-2025	76.59	34.16	32.21	37.58	0.85	3.75	NOT DETECTED
15.	20-11-2025	73.29	32.53	29.38	34.25	0.78	3.68	NOT DETECTED

Continue...

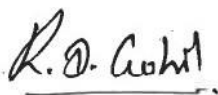
Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	24-11-2025	68.15	29.39	26.54	30.41	0.71	3.56	NOT DETECTED
17.	27-11-2025	71.92	32.46	31.18	36.27	0.6	3.63	NOT DETECTED
18.	01-12-2025	73.82	31.27	28.35	33.26	0.65	3.58	NOT DETECTED
19.	04-12-2025	78.84	36.59	33.82	37.48	0.74	3.63	NOT DETECTED
20.	08-12-2025	75.48	34.16	32.68	35.96	0.68	3.75	NOT DETECTED
21.	11-12-2025	68.59	29.73	27.15	33.26	0.59	3.56	NOT DETECTED
22.	15-12-2025	66.91	27.15	26.86	31.45	0.53	3.49	NOT DETECTED
23.	18-12-2025	70.14	30.53	27.36	33.14	0.68	3.61	NOT DETECTED
24.	22-12-2025	74.39	32.26	30.15	36.47	0.71	3.7	NOT DETECTED
25.	25-12-2025	76.5	35.28	33.87	38.23	0.79	3.77	NOT DETECTED
26.	29-12-2025	68.95	30.18	27.64	32.16	0.65	3.64	NOT DETECTED
27.	01-01-2026	71.93	29.83	27.17	32.68	0.60	--	NOT DETECTED
28.	05-01-2026	73.48	34.14	32.48	38.42	0.65	3.72	NOT DETECTED
29.	08-01-2026	69.41	28.35	29.64	34.58	0.56	3.65	NOT DETECTED
30.	12-01-2026	74.39	34.71	33.84	39.82	0.7	3.68	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	15-01-2026	78.14	36.76	35.18	41.76	0.74	3.75	NOT DETECTED
32.	19-01-2026	73.94	34.15	32.49	37.62	0.71	3.61	NOT DETECTED
33.	22-01-2026	68.96	28.13	29.11	33.26	0.67	3.64	NOT DETECTED
34.	26-01-2026	66.94	27.63	25.74	31.95	0.55	3.52	NOT DETECTED
35.	29-01-2026	69.11	31.76	30.87	36.74	0.58	3.61	NOT DETECTED
36.	05-01-2026	74.93	33.48	29.81	34.47	0.63	3.65	NOT DETECTED
37.	08-01-2026	77.82	36.45	32.78	37.32	0.67	3.71	NOT DETECTED
38.	12-01-2026	75.94	32.16	30.35	35.49	0.57	3.54	NOT DETECTED
39.	15-01-2026	80.19	36.11	34.93	39.36	0.73	3.68	NOT DETECTED
40.	19-01-2026	82.36	38.73	35.89	40.13	0.79	3.86	NOT DETECTED
41.	22-01-2026	78.74	35.38	32.16	36.45	0.68	3.76	NOT DETECTED
42.	26-01-2026	73.48	31.29	27.56	33.31	0.63	3.64	NOT DETECTED
43.	29-01-2026	76.59	34.24	31.94	36.29	0.7	3.68	NOT DETECTED
44.	02-03-2026	78.48	32.15	30.86	35.21	0.73	3.75	NOT DETECTED
45.	05-03-2026	80.13	35.47	34.14	29.48	0.81	3.68	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	09-03-2026	77.46	30.18	28.76	32.63	0.76	3.65	NOT DETECTED
47.	12-03-2026	83.24	36.15	33.62	38.57	0.86	3.83	NOT DETECTED
48.	16-03-2026	81.13	33.72	31.59	36.31	0.79	3.77	NOT DETECTED
49.	19-03-2026	77.46	29.87	26.24	32.12	0.65	3.52	NOT DETECTED
50.	23-03-2026	73.86	25.46	21.67	26.49	0.57	3.48	NOT DETECTED
51.	26-03-2026	75.69	26.11	24.33	29.63	0.63	3.57	NOT DETECTED
52.	30-03-2026	80.13	33.14	29.76	34.11	0.71	3.64	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)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2025	64.91	23.47	17.36	21.29	0.54	--	NOT DETECTED
2.	06-10-2025	68.59	25.91	20.32	26.11	0.6	2.42	NOT DETECTED
3.	09-10-2025	66.18	23.86	16.53	21.73	0.57	3.37	NOT DETECTED
4.	13-10-2025	63.18	21.53	14.39	18.35	0.47	3.29	NOT DETECTED
5.	16-10-2025	70.71	27.49	18.38	22.46	0.65	3.52	NOT DETECTED
6.	20-10-2025	74.36	30.29	22.46	27.59	0.68	3.6	NOT DETECTED
7.	23-10-2025	69.59	28.75	20.88	25.57	0.58	3.56	NOT DETECTED
8.	27-10-2025	64.39	24.55	16.36	20.89	0.53	3.48	NOT DETECTED
9.	30-10-2025	67.59	26.24	17.81	23.46	0.61	3.42	NOT DETECTED
10.	03-11-2025	69.95	28.13	22.39	26.52	0.69	3.35	NOT DETECTED
11.	06-11-2025	66.47	25.93	18.48	22.53	0.62	3.27	NOT DETECTED
12.	10-11-2025	70.13	30.18	24.73	28.13	0.77	3.48	NOT DETECTED
13.	13-11-2025	64.39	23.38	21.42	25.64	0.60	3.39	NOT DETECTED
14.	17-11-2025	68.59	25.4	24.39	28.42	0.65	3.42	NOT DETECTED
15.	20-11-2025	65.49	22.16	17.72	21.38	0.53	3.37	NOT DETECTED

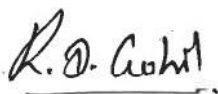
Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	24-11-2025	72.37	28.63	22.29	26.74	0.71	3.57	NOT DETECTED
17.	27-11-2025	67.59	26.84	16.59	20.21	0.68	3.52	NOT DETECTED
18.	01-12-2025	64.38	24.43	15.74	19.87	0.57	3.4	NOT DETECTED
19.	04-12-2025	66.49	25.83	17.11	21.36	0.60	3.45	NOT DETECTED
20.	08-12-2025	69.13	28.43	18.83	23.94	0.66	3.58	NOT DETECTED
21.	11-12-2025	73.46	33.25	25.46	31.32	0.71	3.66	NOT DETECTED
22.	15-12-2025	70.57	30.18	23.46	27.62	0.74	3.56	NOT DETECTED
23.	18-12-2025	67.51	27.58	18.43	23.19	0.65	3.43	NOT DETECTED
24.	22-12-2025	64.38	23.14	15.67	18.35	0.53	3.31	NOT DETECTED
25.	25-12-2025	66.94	25.63	16.92	20.14	0.51	3.4	NOT DETECTED
26.	29-12-2025	69.15	27.64	18.87	22.42	0.60	3.48	NOT DETECTED
27.	01-01-2026	66.83	25.93	17.26	21.73	0.64	--	NOT DETECTED
28.	05-01-2026	62.39	23.15	16.89	19.73	0.67	3.37	NOT DETECTED
29.	08-01-2026	64.83	25.28	17.11	21.53	0.58	3.44	NOT DETECTED
30.	12-01-2026	59.94	21.74	14.57	17.68	0.45	3.26	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	15-01-2026	62.93	24.68	16.42	20.53	0.53	3.17	NOT DETECTED
32.	19-01-2026	67.95	26.53	20.86	24.31	0.6	3.29	NOT DETECTED
33.	22-01-2026	70.82	29.47	24.58	28.47	0.69	3.49	NOT DETECTED
34.	26-01-2026	63.49	25.13	18.73	22.44	0.66	3.37	NOT DETECTED
35.	29-01-2026	66.95	27.68	20.17	24.41	0.55	3.41	NOT DETECTED
36.	02-02-2026	64.38	24.59	18.42	23.11	0.47	3.36	NOT DETECTED
37.	05-02-2026	67.59	26.13	20.86	25.48	0.52	3.43	NOT DETECTED
38.	09-02-2026	72.49	30.74	24.27	28.42	0.6	3.54	NOT DETECTED
39.	12-02-2026	65.49	25.73	17.64	23.11	0.54	3.48	NOT DETECTED
40.	16-02-2026	63.29	24.93	15.91	19.74	0.49	3.26	NOT DETECTED
41.	19-02-2026	68.14	28.57	20.24	25.36	0.57	3.37	NOT DETECTED
42.	23-02-2026	74.13	32.53	25.47	30.88	0.64	3.51	NOT DETECTED
43.	26-02-2026	71.24	28.62	21.38	24.36	0.59	3.42	NOT DETECTED
44.	02-03-2026	68.93	26.37	19.24	23.75	0.55	3.47	NOT DETECTED
45.	05-03-2026	65.48	23.61	21.49	25.39	0.46	3.4	NOT DETECTED
46.	09-03-2026	72.37	28.49	25.73	29.13	0.60	3.55	NOT DETECTED

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
47.	12-03-2026	75.84	30.16	27.93	32.13	0.65	3.61	NOT DETECTED
48.	16-03-2026	70.13	27.53	24.31	27.48	0.57	3.57	NOT DETECTED
49.	19-03-2026	63.04	22.19	19.87	23.54	0.42	3.37	NOT DETECTED
50.	23-03-2026	65.94	24.45	22.38	26.49	0.44	3.41	NOT DETECTED
51.	26-03-2026	69.85	26.91	23.47	27.83	0.53	3.44	NOT DETECTED
52.	30-03-2026	71.92	28.49	24.1	28.31	0.58	3.54	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)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

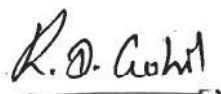
Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2025	51.29	12.53	10.84	13.37	NOT DETECTED
2.	06-10-2025	54.48	13.29	14.38	17.39	--
3.	09-10-2025	49.84	12.13	11.52	14.35	--
4.	13-10-2025	52.37	13.68	13.24	16.31	--
5.	16-10-2025	57.48	15.82	14.57	17.58	--
6.	20-10-2025	62.3	16.52	18.79	21.35	--
7.	23-10-2025	66.84	18.57	20.38	24.37	--
8.	27-10-2025	57.49	14.36	16.32	19.11	--
9.	30-10-2025	62.38	16.42	17.39	20.48	--
10.	03-11-2025	56.57	14.39	15.24	19.13	--
11.	06-11-2025	51.29	13.82	12.39	15.74	--
12.	10-11-2025	58.49	16.57	14.38	18.32	--
13.	13-11-2025	56.38	15.27	13.62	16.79	--
14.	17-11-2025	46.39	13.25	12.19	14.73	--
15.	20-11-2025	42.39	12.37	10.97	13.25	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	24-11-2025	50.49	15.53	14.39	17.68	--
17.	27-11-2025	53.49	17.42	16.95	19.27	--
18.	01-12-2025	52.87	14.39	13.92	16.64	--
19.	04-12-2025	55.68	16.82	15.48	19.13	--
20.	08-12-2025	61.38	19.83	17.93	22.38	--
21.	11-12-2025	58.48	17.64	15.86	19.63	--
22.	15-12-2025	63.28	21.27	19.26	22.14	--
23.	18-12-2025	61.29	20.12	18.53	21.37	--
24.	22-12-2025	57.47	16.64	15.48	18.79	--
25.	25-12-2025	54.73	14.25	12.82	15.43	--
26.	29-12-2025	56.19	15.62	14.38	17.45	--
27.	01-01-2026	54.39	17.83	15.26	18.32	NOT DETECTED
28.	05-01-2026	58.94	20.43	17.86	20.93	--
29.	08-01-2026	61.92	22.13	20.63	24.58	--
30.	12-01-2026	56.83	18.62	15.94	18.72	--
31.	15-01-2026	54.93	16.54	13.49	16.26	--

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	19-01-2026	50.92	14.53	13.69	16.06	--
33.	22-01-2026	53.92	15.18	14.76	17.42	--
34.	26-01-2026	45.93	12.47	10.89	13.64	--
35.	29-01-2026	51.93	14.27	13.81	17.12	--
36.	02-02-2026	48.35	13.28	10.83	13.28	--
37.	05-02-2026	45.28	12.84	11.38	15.12	--
38.	09-02-2026	47.03	15.74	13.65	16.58	--
39.	12-02-2026	53.28	17.11	15.36	18.31	--
40.	16-02-2026	56.92	20.34	17.92	21.49	--
41.	19-02-2026	51.24	17.64	15.31	18.74	--
42.	23-02-2026	45.96	13.21	11.26	14.25	--
43.	26-02-2026	49.58	15.74	13.91	16.53	--
44.	02-03-2026	51.29	14.35	12.83	16.12	--
45.	05-03-2026	54.37	16.73	14.28	18.73	--
46.	09-03-2026	52.81	14.27	12.63	15.4	--
47.	12-03-2026	56.84	17.59	15.14	18.74	--

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	16-03-2026	49.73	13.25	11.78	15.21	--
49.	19-03-2026	45.38	12.57	10.42	13.78	--
50.	23-03-2026	52.17	13.49	11.56	14.56	--
51.	26-03-2026	55.94	15.74	13.48	17.31	--
52.	30-03-2026	53.28	13.25	11.92	14.57	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Rajnish D. Gohil
(Chemist)




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/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2025	66.59	27.63	24.91	28.27	0.68	--	NOT DETECTED
2.	06-10-2025	69.74	29.81	28.53	32.19	0.63	4.42	NOT DETECTED
3.	09-10-2025	73.28	32.57	30.28	35.47	0.75	4.55	NOT DETECTED
4.	13-10-2025	71.39	30.42	27.49	32.73	0.72	4.48	NOT DETECTED
5.	16-10-2025	75.46	35.61	33.71	38.45	0.78	4.62	NOT DETECTED
6.	20-10-2025	73.81	32.41	30.89	35.13	0.69	4.57	NOT DETECTED
7.	23-10-2025	69.84	27.64	25.48	29.87	0.58	4.40	NOT DETECTED
8.	27-10-2025	65.46	25.46	26.13	31.54	0.63	4.53	NOT DETECTED
9.	30-10-2025	72.48	29.62	27.47	33.52	0.72	4.61	NOT DETECTED
10.	03-11-2025	71.39	29.64	28.71	34.13	0.74	4.57	NOT DETECTED
11.	06-11-2025	74.39	32.45	30.98	35.13	0.87	4.69	NOT DETECTED
12.	10-11-2025	68.59	27.16	25.47	30.82	0.63	4.50	NOT DETECTED
13.	13-11-2025	66.42	26.59	26.11	32.62	0.68	4.31	NOT DETECTED
14.	17-11-2025	70.84	30.24	28.59	33.53	0.76	4.59	NOT DETECTED
15.	20-11-2025	70.37	31.64	33.28	37.14	0.73	4.68	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	24-11-2025	73.18	34.76	32.45	38.24	0.84	4.74	NOT DETECTED
17.	27-11-2025	69.5	28.74	27.19	33.75	0.70	4.62	NOT DETECTED
18.	01-12-2025	73.48	33.17	30.63	36.84	0.77	4.68	NOT DETECTED
19.	04-12-2025	76.18	35.89	31.37	38.12	0.83	4.80	NOT DETECTED
20.	08-12-2025	72.37	31.13	27.47	33.13	0.71	4.58	NOT DETECTED
21.	11-12-2025	68.58	28.58	25.83	31.29	0.62	4.43	NOT DETECTED
22.	15-12-2025	72.38	33.28	29.85	33.48	0.68	4.61	NOT DETECTED
23.	18-12-2025	75.94	37.59	34.18	40.72	0.74	4.74	NOT DETECTED
24.	22-12-2025	69.85	31.26	28.73	32.16	0.57	4.60	NOT DETECTED
25.	25-12-2025	72.37	35.43	30.19	36.74	0.69	4.65	NOT DETECTED
26.	29-12-2025	76.48	36.11	31.88	38.15	0.78	4.73	NOT DETECTED
27.	01-01-2026	78.62	35.38	32.73	37.14	0.76	--	NOT DETECTED
28.	05-01-2026	80.14	38.63	34.71	38.35	0.79	4.77	NOT DETECTED
29.	08-01-2026	75.94	32.19	29.35	33.02	0.71	4.65	NOT DETECTED
30.	12-01-2026	77.15	34.58	30.13	36.52	0.74	4.68	NOT DETECTED
31.	15-01-2026	81.39	39.87	34.91	39.64	0.85	4.72	NOT DETECTED

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	19-01-2026	79.13	36.57	33.42	37.62	0.77	4.63	NOT DETECTED
33.	22-01-2026	76.84	33.18	31.53	36.24	0.70	4.55	NOT DETECTED
34.	26-01-2026	72.35	30.91	26.54	30.18	0.63	4.40	NOT DETECTED
35.	29-01-2026	75.94	32.38	28.84	33.25	0.74	4.58	NOT DETECTED
36.	02-02-2026	73.28	27.91	25.57	30.81	0.70	4.54	NOT DETECTED
37.	05-02-2026	76.93	29.74	28.13	33.65	0.76	4.60	NOT DETECTED
38.	09-02-2026	79.73	32.16	30.98	37.24	0.81	4.67	NOT DETECTED
39.	12-02-2026	75.49	30.57	27.63	33.92	0.88	4.58	NOT DETECTED
40.	16-02-2026	71.93	26.57	25.14	31.26	0.79	4.46	NOT DETECTED
41.	19-02-2026	77.35	34.27	32.78	36.59	0.85	4.63	NOT DETECTED
42.	23-02-2026	82.44	37.71	35.46	41.2	0.94	4.72	NOT DETECTED
43.	26-02-2026	78.44	32.15	29.71	33.39	0.83	4.68	NOT DETECTED
44.	02-03-2026	82.39	34.27	32.81	37.73	0.87	4.73	NOT DETECTED
45.	05-03-2026	85	37.21	34.55	40.13	0.96	4.81	NOT DETECTED
46.	09-03-2026	80.19	32.68	30.18	36.45	0.82	4.76	NOT DETECTED
47.	12-03-2026	83.29	34.71	32.65	38.24	0.85	4.70	NOT DETECTED

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	16-03-2026	78.74	30.91	27.63	34.59	0.73	4.67	NOT DETECTED
49.	19-03-2026	72.94	26.47	25.78	31.24	0.70	4.56	NOT DETECTED
50.	23-03-2026	75.49	28.18	26.53	33.41	0.74	4.61	NOT DETECTED
51.	26-03-2026	79.31	31.29	29.76	35.68	0.76	4.66	NOT DETECTED
52.	30-03-2026	81.38	32.45	31.89	37.24	0.80	4.69	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)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		20-10-2025	20-11-2025	18-12-2025	19-01-2026	19-02-2026	19-03-2026
1	06:00 to 07:00	63.2	62.3	61.8	60.6	62.4	63.8
2	07:00 to 08:00	64.3	63.8	62.3	62.3	61.3	63.9
3	08:00 to 09:00	65.7	65.4	64.8	63.4	63.7	66.1
4	09:00 to 10:00	66.1	65.9	65.8	65.8	64.5	61.2
5	10:00 to 11:00	67.4	66.8	66.1	66.7	65	62.8
6	11:00 to 12:00	65.7	65.4	65.4	65.4	66.3	68.9
7	12:00 to 13:00	67.5	66.8	65.7	66.3	65.3	65.4
8	13:00 to 14:00	65.3	66.2	65.2	65.2	64.8	69.1
9	14:00 to 15:00	66.7	64.3	64.8	64.8	66.2	64.8
10	15:00 to 16:00	67.2	67.2	65.7	64	65.6	68.1
11	16:00 to 17:00	64.3	64.3	64.3	64.3	64.2	62.2
12	17:00 to 18:00	66.1	66.1	65.8	65.8	65.4	68.2
13	18:00 to 19:00	65.8	65.8	65.5	66.3	67.7	63.1
14	19:00 to 20:00	65.4	65.5	64.3	64.3	65.3	65.7
15	20:00 to 21:00	63.7	64.1	63.8	64.2	63.2	61.4
16	21:00 to 22:00	62.3	61.8	60.6	60.3	61.3	66.8
Day Time		<75 dB (A)					

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		20-10-2025	20-11-2025	18-12-2025	19-01-2026	19-02-2026	19-03-2026
1	22:00 to 23:00	57.3	63.2	63.5	61.6	60.8	63.2
2	23:00 to 24:00	56.4	62.5	62.5	61.3	61.1	63.8
3	24:00 to 01:00	57.8	61.4	61.3	60.8	60.4	64.1
4	01:00 to 02:00	59.8	62.5	61.8	58.7	59.7	61.9
5	02:00 to 03:00	59.4	60.4	60.1	59.5	58.4	62.4
6	03:00 to 04:00	58.2	60.5	61.2	59.3	60.3	63.9
7	04:00 to 05:00	60.1	60.5	62.4	60.5	59.6	60.4
8	05:00 to 06:00	59.6	62.8	62.7	60.6	61.3	62.3
Night Time		<70 dB (A)					
Test Method		IS: 9989 : 1981					


Rajnish D. Gohil
(Chemist)



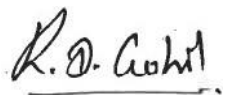

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		23-10-2025	24-11-2025	22-12-2025	22-01-2026	23-02-2026	23-03-2026
1	06:00 to 07:00	61.8	59.4	58.4	58.7	58.4	59.1
2	07:00 to 08:00	63.4	61.3	57.9	57.4	55.8	68.8
3	08:00 to 09:00	64.2	64.2	61.2	61.2	60.2	65.3
4	09:00 to 10:00	65.7	65.7	64.3	63.4	63.4	68.5
5	10:00 to 11:00	65.6	64.3	64.8	64.9	63.8	62.3
6	11:00 to 12:00	67.2	67.2	66.8	66.5	64.5	66.1
7	12:00 to 13:00	65.3	65.3	64.4	64.4	64.1	61.8
8	13:00 to 14:00	64.7	64.3	66.5	66.5	65.4	65.5
9	14:00 to 15:00	65.1	65.1	63.2	63.2	65.9	69.2
10	15:00 to 16:00	66.9	66.5	63.4	64.7	64.3	67.8
11	16:00 to 17:00	65.5	65.5	65.8	65.2	65.7	62.8
12	17:00 to 18:00	64.8	64.8	64.2	64.2	63.8	63.3
13	18:00 to 19:00	64.6	66.1	64.8	64.8	65.4	63.7
14	19:00 to 20:00	63.2	64.3	63.5	62.8	63.1	64.6
15	20:00 to 21:00	63.5	63.5	60.3	61.5	62.4	66.9
16	21:00 to 22:00	60.9	60.4	58.3	59.6	58.7	65.8
Day Time		<75 dB (A)					

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		23-10-2025	24-11-2025	22-12-2025	22-01-2026	23-02-2026	23-03-2026
1	22:00 to 23:00	61.2	62.8	62.8	62.3	62.5	60.3
2	23:00 to 24:00	60.7	63.9	60.3	62.1	61.8	62.4
3	24:00 to 01:00	62.4	64.2	62.3	61.4	61.3	62.3
4	01:00 to 02:00	61.7	62.8	63.2	60.5	60.7	55.2
5	02:00 to 03:00	60.5	62.5	62.8	60.3	59.4	62.9
6	03:00 to 04:00	59.4	61.3	60.4	60.7	61.4	60.7
7	04:00 to 05:00	60.3	64.2	63.2	61.2	60.8	61.2
8	05:00 to 06:00	60.4	63.9	63.3	61.9	60.7	60.5
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		27-10-2025	27-11-2025	25-12-2025	26-01-2026	26-02-2026	26-03-2026
1	06:00 to 07:00	64.1	63.8	63.2	61.3	59.8	62.6
2	07:00 to 08:00	64.8	64.8	65.4	64.6	62.4	63.2
3	08:00 to 09:00	65.6	65.6	64.9	63.7	63.7	66.2
4	09:00 to 10:00	66.3	66.3	67.8	67.8	65.8	69.6
5	10:00 to 11:00	64.8	67.4	66.4	66.4	66.1	65.9
6	11:00 to 12:00	65.3	65.3	65.8	64.5	65.8	68.5
7	12:00 to 13:00	66.1	66.1	65.8	65.8	65.4	60.7
8	13:00 to 14:00	66.5	66.5	65.4	66.6	66.1	63.7
9	14:00 to 15:00	64.3	64.3	65.9	65.9	64.3	65.8
10	15:00 to 16:00	65.2	67.4	66.2	66.2	65.8	66.3
11	16:00 to 17:00	66.8	66.8	67.4	67.1	66.3	67.8
12	17:00 to 18:00	65.5	65.5	65.1	65.1	64.3	69.2
13	18:00 to 19:00	63.2	65.2	65.8	65.8	64.7	67.5
14	19:00 to 20:00	65.6	65.6	64.8	64.3	64.3	64.9
15	20:00 to 21:00	65.1	65.1	65.3	65.3	64.1	62.7
16	21:00 to 22:00	63.2	63.7	61.8	62.3	60.2	63.4
Day Time		<75 dB (A)					

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		27-10-2025	27-11-2025	25-12-2025	26-01-2026	26-02-2026	26-03-2026
1	22:00 to 23:00	57.9	61.8	61.3	60.4	59.4	59.6
2	23:00 to 24:00	58.5	64.5	63.8	61.2	59.2	60.3
3	24:00 to 01:00	56.3	63.9	63.5	59.7	58.6	63.5
4	01:00 to 02:00	58.6	64.5	62.9	57.6	55.8	62.4
5	02:00 to 03:00	59.4	63.2	61.6	58.6	56.7	60.2
6	03:00 to 04:00	60.2	62.4	61.8	59.3	58.6	64.2
7	04:00 to 05:00	58.4	60.8	61.4	59.8	58.5	58.2
8	05:00 to 06:00	59.1	61.2	60.8	58.7	60.1	62.1
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		16-10-2025	17-11-2025	15-12-2025	15-01-2026	16-02-2026	16-03-2026
1	06:00 to 07:00	58.1	57.5	57.1	56.4	57.1	60.3
2	07:00 to 08:00	58.6	58.6	59.8	58.4	57.5	60.8
3	08:00 to 09:00	59.8	58.7	58.4	57.4	58.9	68.2
4	09:00 to 10:00	60.3	61.8	60.6	58.4	60.3	65.9
5	10:00 to 11:00	61.6	61.6	62.3	62.3	62.5	68.4
6	11:00 to 12:00	63.4	63.4	62.8	63.5	63.4	62.6
7	12:00 to 13:00	64.9	63.2	63.4	64.7	62.9	64.4
8	13:00 to 14:00	64.5	64.5	63.8	64.8	63.7	62.5
9	14:00 to 15:00	63.2	65.8	65.7	65.1	65.5	65.4
10	15:00 to 16:00	64.5	63.2	64.2	64.2	64.3	68.7
11	16:00 to 17:00	66.1	66.3	65.7	65.7	65.9	62.4
12	17:00 to 18:00	65.3	65.3	64.6	63.8	64.6	60.7
13	18:00 to 19:00	64.3	63.7	61.2	62.9	62.1	63.8
14	19:00 to 20:00	64.8	64.8	62.9	62.7	62.4	69.4
15	20:00 to 21:00	60.2	62.3	61.8	61.8	60.5	65.5
16	21:00 to 22:00	57.6	57.1	57.4	58.1	57.9	68.1
Day Time		<75 dB (A)					

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		16-10-2025	17-11-2025	15-12-2025	15-01-2026	16-02-2026	16-03-2026
1	22:00 to 23:00	58.6	62.8	60.3	58.4	58.9	61.4
2	23:00 to 24:00	57.2	60.4	59.7	58.8	58.4	62.7
3	24:00 to 01:00	60.5	59.4	59.3	57.2	56.4	63.7
4	01:00 to 02:00	61.3	58.8	57.6	55.6	55.1	60.1
5	02:00 to 03:00	60.5	57.5	58.3	57.6	55.8	61.9
6	03:00 to 04:00	58.4	59.2	59.7	58.9	57.6	63.7
7	04:00 to 05:00	58.7	60.5	60.3	58.4	57.3	63.5
8	05:00 to 06:00	58.3	62.5	60.2	59.7	58.6	57.9
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Rajnish D. Gohil
(Chemist)



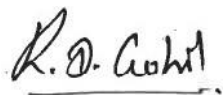

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		15-10-2025	15-11-2025	13-12-2025	17-01-2026	18-02-2026	18-03-2026
1	06:00 to 07:00	57.7	57.3	58.5	57.9	57.8	60.9
2	07:00 to 08:00	57.4	58.1	58.3	58.3	58.3	66.5
3	08:00 to 09:00	58.3	58.7	59.4	58.7	59.2	68.4
4	09:00 to 10:00	61.3	60.9	59.8	60.4	59.7	61.8
5	10:00 to 11:00	63.7	63.7	61.3	62.8	60.3	67.4
6	11:00 to 12:00	64.5	64.5	65.4	63.7	62.4	61.1
7	12:00 to 13:00	65.3	65.3	64.3	64.5	63.8	63.9
8	13:00 to 14:00	64.3	64.3	65.2	65.3	65.3	69.9
9	14:00 to 15:00	64.8	64.8	64.5	64.5	64.3	65.7
10	15:00 to 16:00	64.7	64.7	64.6	64.6	64.5	60.4
11	16:00 to 17:00	63.2	63.2	64.8	65.9	64.9	69.4
12	17:00 to 18:00	62.8	63.4	65.3	64.3	63.4	66.1
13	18:00 to 19:00	60.6	60.6	61.3	63.8	63.8	62.4
14	19:00 to 20:00	63.2	60.8	62.3	62.3	62.3	65.5
15	20:00 to 21:00	59.7	59.7	59.7	60.1	60.3	62.1
16	21:00 to 22:00	58.3	57.4	57.3	58.6	58.4	64.8
Day Time		<75 dB (A)					

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		15-10-2025	15-11-2025	13-12-2025	17-01-2026	18-02-2026	18-03-2026
1	22:00 to 23:00	56.4	54.2	55.3	55.1	57.1	55.3
2	23:00 to 24:00	56.8	55.1	55.4	54.6	56.4	56.7
3	24:00 to 01:00	55.4	54.5	53.5	54.8	55.9	55.8
4	01:00 to 02:00	55.3	53.8	52.8	53.7	54.3	54.6
5	02:00 to 03:00	56.4	54.5	53.6	52.6	52.1	60.5
6	03:00 to 04:00	56.8	55.2	54.7	53.6	53.4	51.4
7	04:00 to 05:00	55.9	54.5	55.1	54.8	54.7	54.5
8	05:00 to 06:00	57.2	57.5	57.8	54.6	55.8	55.4
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		18-10-2025	18-11-2025	16-12-2025	20-01-2026	20-02-2026	20-03-2026
1	06:00 to 07:00	62.8	61.8	61.4	62.4	60.6	62.4
2	07:00 to 08:00	63.2	65.4	63.8	63.8	62.4	63.2
3	08:00 to 09:00	63.6	63.2	64.7	64.3	64.3	64.8
4	09:00 to 10:00	65.6	64.8	65.3	65.7	65.7	66.2
5	10:00 to 11:00	66.5	66.5	64.8	63.1	64.8	65.4
6	11:00 to 12:00	67.3	66.3	66.2	66.2	65.7	67.8
7	12:00 to 13:00	67.1	67.5	65.8	65.8	64.2	67.4
8	13:00 to 14:00	66.8	66.8	66.5	66.5	65.7	66.2
9	14:00 to 15:00	65.4	65.4	65.3	65.3	65.3	64.3
10	15:00 to 16:00	66.3	65.9	65.4	64.3	65.1	65.7
11	16:00 to 17:00	67.5	67.5	67.2	67.2	66.7	67.1
12	17:00 to 18:00	66.3	66.3	66.9	66.7	65.3	63.2
13	18:00 to 19:00	65.3	65.3	64.5	64.5	65.6	65.2
14	19:00 to 20:00	64.2	64.2	64.7	64.7	60.9	63.4
15	20:00 to 21:00	63.2	64.5	63.6	63.6	61.1	62.8
16	21:00 to 22:00	62.4	60.8	59.9	61.3	59.8	62.2
Day Time		<75 dB (A)					

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		18-10-2025	18-11-2025	16-12-2025	20-01-2026	20-02-2026	20-03-2026
1	22:00 to 23:00	60.8	61.2	60.9	58.7	59.4	60.8
2	23:00 to 24:00	62.5	60.6	59.7	58.4	59.2	62.4
3	24:00 to 01:00	61.2	59.6	57.5	56.5	58.6	61.7
4	01:00 to 02:00	60.8	57.4	58.4	55.1	55.4	63.8
5	02:00 to 03:00	59.4	58.7	58.4	55.5	55.3	64.2
6	03:00 to 04:00	58.3	59.3	59.1	56.9	55.8	62.4
7	04:00 to 05:00	57.6	59.7	60.3	57.6	56.9	61.2
8	05:00 to 06:00	59.8	60.3	59.6	58.4	58.3	60.3
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Sr. No.	Parameter	Unit	Mar – 2026		GPCB LIMIT	Method of Test
			D.G.Set No. S-1 (1500 KVA)	D.G.Set No. S-2 (1500 KVA)		
			13-03-2026	13-03-2026		
1	Particulate Matter	mg/Nm ³	19.87	26.42	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	16.25	16.84	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	24.98	22.35	50	IS 11255 (Part - 7)


Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Sr. No.	Parameter	Unit	Mar-26	GPCB LIMIT	Method of Test
			D.G. Set-1 (2000 KVA)		
			26-03-2026		
1	Particulate Matter	mg/Nm3	32.46	150	IS 11255 (Part - 1)
2	Sulphur Dioxide	ppm	16.83	100	IS 11255 (Part - 2)
3	Oxide of Nitrogen	ppm	28.91	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	4.8	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	--	UERL/AIR/SOP/27


Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Minimum Detection Limit			
Ambient Air Quality Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	0.01 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³
Stack Emission Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SOX	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NOX	mg/Nm ³	5 mg/Nm ³

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

ETP Outlet			
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 °C)	mg/L	1
8	Chloride (as Cl) -	mg/L	1
9	Oil & Grease	mg/L	4
10	Sulphate (as SO ₄)	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	--	--

Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client

M/s. Adani Power Limited, Mundra

Village: Tunda & Siracha,

Tal. Mundra, Dist.: Kutch.

GUJARAT – 370 435.

Month of Monitoring

October - 2025

Name of Location

Village - Siracha

ID No.

URA/ID/A-25/10/001

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-10-2025	60.5	25.7	13.7	19.0	--	--
2.	07-10-2025	47.4	18.8	15.3	21.6	--	--
3.	10-10-2025	63.2	30.9	16.5	23.7	19.3	BDL
4.	14-10-2025	61.1	29.3	12.9	17.7	--	--
5.	17-10-2025	55.4	27.9	15.1	20.2	--	--
6.	24-10-2025	61.8	26.1	17.9	18.5	--	--
7.	28-10-2025	58.0	24.1	14.8	20.6	--	--
8.	31-10-2025	54.2	23.3	16.3	23.6		
Average		57.7	25.8	15.3	20.6	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

UniStar Environment &
Research Labs Pvt. Ltd.



(Authorized Signatory)

Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : October - 2025

Name of Location : Village – Kandagara

ID No. : **URA/ID/A-25/10/002**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-10-2025	54.0	26.6	14.2	16.9	--	--
2.	07-10-2025	60.6	28.7	18.2	25.1	--	--
3.	10-10-2025	69.6	28.2	11.5	15.2	22.6	BDL
4.	14-10-2025	64.3	30.1	17.5	22.1	--	--
5.	17-10-2025	44.6	22.6	12.6	19.5	--	--
6.	24-10-2025	61.8	28.3	15.1	22.6	--	--
7.	28-10-2025	54.6	26.3	14.3	17.4	--	--
8.	31-10-2025	66.2	33.1	17.6	25.8	--	--
Average		59.5	28.0	15.1	20.6	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

UniStar Environment &
Research Labs Pvt. Ltd.



(Authorized Signatory)

Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : October - 2025

Name of Location : Village - Wandh

ID No. : URA/ID/A-25/10/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-10-2025	57.2	25.9	15.4	23.2	--	--
2.	07-10-2025	72.1	34.5	19.7	28.9	--	--
3.	10-10-2025	69.8	30.7	15.2	20.4	28.9	BDL
4.	14-10-2025	54.5	28.0	11.3	18.1	--	--
5.	17-10-2025	66.7	34.8	16.1	22.8	--	--
6.	24-10-2025	61.6	31.1	11.7	19.2	--	--
7.	28-10-2025	59.0	25.4	18.6	21.9	--	--
8.	31-10-2025	62.7	30.3	16.2	22.5	--	--
Average		63.0	30.1	15.5	22.1	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24,
SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison &
Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : October - 2025

Name of Location : Nr.20 MLD Plant

ID No. : **URA/ID/A-25/10/004**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	09-10-2025	70.5	26.3	16.4	23.7	30.2	BDL
Average		70.5	26.3	16.4	23.7	30.2	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Research Labs Pvt. Ltd.**



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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : October - 2025

Name of Location : Nr. Shantiniketan - 1

ID No. : **URA/ID/A-25/10/005**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	10-10-2025	63.6	28.6	14.2	22.1	25.6	BDL
Average		63.6	28.6	14.2	22.1	25.6	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client

M/s. Adani Power Limited, Mundra

Village: Tunda & Siracha,

Tal. Mundra, Dist.: Kutch.

GUJARAT – 370 435.

Month of Monitoring

: November - 2025

Name of Location

: Village - Siracha

ID No.

: URA/ID/A-25/11/001

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	04-11-2025	49.1	20.7	18.6	22.3	--	--
2.	07-11-2025	51.5	23.3	14.8	17.8	--	--
3.	11-11-2025	62.5	26.8	16.4	20.4	22.8	BDL
4.	14-11-2025	53.1	21.7	20.6	25.2	--	--
5.	18-11-2025	52.4	25.5	22.1	28.6	--	--
6.	21-11-2025	62.9	22.9	19.5	23.5	--	--
7.	25-11-2025	58.8	21.0	16.8	21.3	--	--
8.	28-11-2025	55.6	23.7	21.5	25.7		
Average		55.7	23.2	18.8	23.1	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : Village – Kandagara

ID No. : **URA/ID/A-25/11/002**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	04-11-2025	56.8	25.3	17.7	21.4	--	--
2.	07-11-2025	60.9	28.4	22.1	25.6	--	--
3.	11-11-2025	55.2	24.0	24.6	28.8	25.9	BDL
4.	14-11-2025	53.0	25.1	19.5	23.2	--	--
5.	18-11-2025	54.9	27.3	17.8	20.4	--	--
6.	21-11-2025	60.1	24.9	21.6	25.7	--	--
7.	25-11-2025	52.4	26.8	19.3	23.2	--	--
8.	28-11-2025	56.7	25.9	22.2	26.5	--	--
Average		56.3	26.0	20.6	24.4	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24,
SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison &
Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : Village - Wandh

ID No. : URA/ID/A-25/11/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	04-11-2025	61.9	30.1	20.6	23.8	--	--
2.	07-11-2025	56.5	27.0	18.5	22.3	--	--
3.	11-11-2025	66.5	31.4	24.7	29.1	32.3	BDL
4.	14-11-2025	62.6	26.8	27.1	32.4	--	--
5.	18-11-2025	57.7	29.3	22.3	26.6	--	--
6.	21-11-2025	65.2	31.3	25.8	28.5	--	--
7.	25-11-2025	60.1	28.0	19.6	24.2	--	--
8.	28-11-2025	58.0	32.6	23.9	28.7	--	--
Average		61.1	29.6	22.8	27.0	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : Nr.20 MLD Plant

ID No. : **URA/ID/A-25/11/004**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	17-11-2025	77.3	30.6	20.4	24.2	31.1	BDL
Average		77.3	30.6	20.4	24.2	31.1	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : Nr. Shantiniketan - 1

ID No. : **URA/ID/A-25/11/005**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	18-11-2025	70.3	28.7	15.6	20.5	22.8	BDL
Average		70.3	28.7	15.6	20.5	22.8	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : AHP

ID No. : URA/ID/A-25/11/006

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)			
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80
1	26/11/2025	79.3	34.7	20.7	23.9
Average		79.3	34.7	20.7	23.9

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006.

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : November - 2025

Name of Location : CHP

ID No. : **URA/ID/A-25/11/007**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)			
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80
1	25/11/2025	87.1	38.8	24.6	27.3
Average		87.1	38.8	24.6	27.3

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006.

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client

M/s. Adani Power Limited, Mundra

Village: Tunda & Siracha,

Tal. Mundra, Dist.: Kutch.

GUJARAT – 370 435.

Month of Monitoring

: December - 2025

Name of Location

: Village - Siracha

ID No.

: **URA/ID/A-25/12/001**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m ³)					
		PM ₁₀ µg/M ³	PM _{2.5} µg/M ³	Sulphur Dioxide (SO ₂) µg/M ³	Nitrogen Dioxide (NO ₂) µg/M ³	Ozone (O ₃) µg/M ³	Mercury (Hg) µg/M ³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-12-2025	53.2	21.1	19.2	24.7	--	--
2.	05-12-2025	57.6	24.8	15.4	21.2	--	--
3.	09-12-2025	49.3	18.2	17.8	20.9	28.7	BDL
4.	12-12-2025	60.4	25.9	12.2	16.5	--	--
5.	16-12-2025	58.8	23.7	15.6	20.3	--	--
6.	19-12-2025	70.8	26.3	20.2	24.7	--	--
7.	23-12-2025	53.3	24.3	18.5	22.4	--	--
8.	26-12-2025	55.7	26.1	16.1	20.1	--	--
9.	30-12-2025	63.3	25.1	23.7	26.8	--	--
Average		58.1	23.9	17.6	22.0	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

**UniStar Environment &
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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : December - 2025

Name of Location : Village – Kandagara

ID No. : **URA/ID/A-25/12/002**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-12-2025	58.1	23.7	21.4	26.5	--	--
2.	05-12-2025	68.4	28.9	24.2	28.1	--	--
3.	09-12-2025	59.2	23.2	19.7	23.4	28.6	BDL
4.	12-12-2025	61.8	27.1	15.4	19.8	--	--
5.	16-12-2025	55.4	25.1	17.8	21.4	--	--
6.	19-12-2025	56.0	28.1	20.1	24.7	--	--
7.	23-12-2025	70.6	34.1	14.6	17.5	--	--
8.	26-12-2025	57.4	26.2	18.5	23.4	--	--
9.	30-12-2025	49.9	29.6	26.1	31.6	--	--
Average		59.6	26.0	19.8	24.0	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : December - 2025

Name of Location : Village - Wandh

ID No. : URA/ID/A-25/12/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-12-2025	69.7	27.1	26.2	30.8	--	--
2.	05-12-2025	60.9	29.7	22.7	26.5	--	--
3.	09-12-2025	74.5	30.2	25.4	30.1	36.7	BDL
4.	12-12-2025	56.1	22.3	20.8	34.3	--	--
5.	16-12-2025	63.8	25.8	23.6	27.6	--	--
6.	19-12-2025	57.0	30.4	17.4	21.1	--	--
7.	23-12-2025	67.4	32.6	21.5	26.7	--	--
8.	26-12-2025	71.2	29.5	18.7	22.4	--	--
9.	30-12-2025	61.3	31.2	30.2	35.2	--	--
Average		64.6	28.8	22.9	28.4	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : December - 2025

Name of Location : Nr.20 MLD Plant

ID No. : **URA/ID/A-25/12/004**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	18-12-2025	72.9	33.8	23.7	26.8	28.7	BDL
Average		72.9	33.8	23.7	26.8	28.7	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : December - 2025

Name of Location : Nr. Shantiniketan - 1

ID No. : **URA/ID/A-25/12/005**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	19-12-2025	67.6	25.4	17.2	22.9	22.6	BDL
Average		67.6	25.4	17.2	22.9	22.6	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : January - 2026

Name of Location : Village - Siracha

ID No. : URA/ID/A-26/01/001

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-01-2026	52.6	24.0	21.5	22.2	--	--
2.	06-01-2026	55.3	22.4	19.3	22.8	--	--
3.	09-01-2026	57.2	26.1	20.8	24.1	--	--
4.	13-01-2026	49.8	21.2	17.4	20.5	--	--
5.	16-01-2026	59.1	27.2	15.6	17.8	18.2	BDL
6.	20-01-2026	50.7	23.8	19.3	24.3	--	--
7.	23-01-2026	58.4	29.5	17.6	21.2	--	--
8.	27-01-2026	61.5	28.2	22.1	27.6	--	--
9.	30-01-2026	54.5	25.6	18.9	21.8	--	--
Average		55.5	25.3	19.2	22.5	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24,
SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison &
Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Note: This report is subject to Terms and Conditions (T&C). Scan QR Code for T&C.



Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : January - 2026

Name of Location : Village – Kandagara

ID No. : URA/ID/A-26/01/002

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-01-2026	60.2	28.2	24.8	27.4	--	--
2.	06-01-2026	66.9	30.5	17.5	22.1	--	--
3.	09-01-2026	59.4	25.6	20.1	28.6	--	--
4.	13-01-2026	64.3	27.1	23.4	27.6	--	--
5.	16-01-2026	53.5	29.5	16.9	23.3	20.3	BDL
6.	20-01-2026	46.6	24.4	23.5	27.1	--	--
7.	23-01-2026	51.1	26.5	20.2	25.8	--	--
8.	27-01-2026	53.2	28.1	15.9	21.3	--	--
9.	30-01-2026	65.4	31.4	22.6	26.8	--	--
Average		57.9	27.9	20.5	25.6	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : January - 2026

Name of Location : Village - Wandh

ID No. : URA/ID/A-26/01/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	02-01-2026	60.1	29.2	20.4	23.1	--	--
2.	06-01-2026	70.6	35.2	25.1	29.6	--	--
3.	09-01-2026	64.6	26.6	26.7	30.4	--	--
4.	13-01-2026	66.0	31.1	21.3	32.4	--	--
5.	16-01-2026	57.5	26.9	18.6	22.7	22.4	BDL
6.	20-01-2026	68.3	30.4	22.8	26.3	--	--
7.	23-01-2026	61.7	25.1	25.3	28.8	--	--
8.	27-01-2026	65.2	33.1	27.4	26.2	--	--
9.	30-01-2026	62.9	24.7	24.7	28.6	--	--
Average		64.1	29.1	23.6	27.6	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : January - 2026

Name of Location : Nr.20 MLD Plant

ID No. : URA/ID/A-26/01/004

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	08-01-2026	74.5	28.2	22.1	27.6	31.3	BDL
Average		74.5	28.2	22.1	27.6	31.3	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : January - 2026

Name of Location : Nr. Shantiniketan - 1

ID No. : URA/ID/A-26/01/005

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	09-01-2026	70.2	26.1	20.8	24.1	25.7	BDL
Average		70.2	26.1	20.8	24.1	25.7	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Extended Work Office : G.I.D.C., Daheji-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463



Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client

M/s. Adani Power Limited, Mundra

Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring

: February - 2026

Name of Location

: Village - Siracha

ID No.

: **URA/ID/A-26/02/001**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-02-2026	49.8	22.5	18.5	22.1	--	--
2.	06-02-2026	61.8	24.2	15.3	20.7	--	--
3.	10-02-2026	70.2	29.6	20.8	24.3	--	--
4.	13-02-2026	51.2	23.7	23.1	27.6	--	--
5.	17-02-2026	54.8	26.3	17.5	22.5	21.4	BDL
6.	20-02-2026	67.5	29.6	12.7	15.8	--	--
7.	24-02-2026	50.0	23.1	15.4	18.6	--	--
8.	27-02-2026	61.0	25.4	17.9	21.4	--	--
Average		58.3	25.5	17.7	21.6	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : February - 2026

Name of Location : Village – Kandagara

ID No. : URA/ID/A-26/02/002

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-02-2026	59.4	26.3	21.6	26.7	--	--
2.	06-02-2026	54.3	21.7	24.2	27.3	--	--
3.	10-02-2026	70.1	32.4	19.5	23.2	--	--
4.	13-02-2026	61.5	27.8	16.3	20.8	--	--
5.	17-02-2026	51.3	23.9	21.8	25.3	27.6	BDL
6.	20-02-2026	62.3	28.4	18.2	22.1	--	--
7.	24-02-2026	52.1	24.3	22.4	26.5	--	--
8.	27-02-2026	67.4	30.9	26.2	30.8	--	--
Average		59.8	26.9	21.3	25.3	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : February - 2026

Name of Location : Village - Wandh

ID No. : URA/ID/A-26/02/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-02-2026	59.9	28.2	23.6	29.2	--	--
2.	06-02-2026	68.2	33.7	27.3	33.5	--	--
3.	10-02-2026	65.4	25.4	25.4	32.1	--	--
4.	13-02-2026	53.7	34.6	21.7	27.6	--	--
5.	17-02-2026	71.0	26.0	24.6	30.3	30.2	BDL
6.	20-02-2026	74.6	29.9	21.2	27.6	--	--
7.	24-02-2026	65.8	27.7	27.6	32.8	--	--
8.	27-02-2026	63.6	31.6	24.5	29.3	--	--
Average		65.3	29.6	24.5	30.3	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : February - 2026

Name of Location : Nr.20 MLD Plant

ID No. : URA/ID/A-26/02/004

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	16-02-2026	79.2	32.8	26.3	29.4	38.9	BDL
Average		79.2	32.8	26.3	29.4	38.9	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : February - 2026

Name of Location : Nr. Shantiniketan - 1

ID No. : URA/ID/A-26/02/005

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	17-02-2026	74.4	30.2	18.9	23.2	29.9	BDL
Average		74.4	30.2	18.9	23.2	29.9	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client

M/s. Adani Power Limited, Mundra

Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring

: March - 2026

Name of Location

: Village - Siracha

ID No.

: **URA/ID/A-26/03/001**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-03-2026	61.0	24.1	20.3	24.7	--	--
2.	06-03-2026	58.5	27.2	16.7	19.6	--	--
3.	10-03-2026	65.4	29.6	15.8	20.1	22.8	BDL
4.	13-03-2026	59.4	27.3	18.3	22.6	--	--
5.	17-03-2026	62.5	25.8	16.1	21.3	--	--
6.	20-03-2026	55.4	22.1	14.3	18.6	--	--
7.	24-03-2026	52.0	23.3	15.8	19.2	--	--
8.	27-03-2026	54.0	21.4	18.4	22.7	--	--
Average		58.5	25.1	17.0	21.1	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : March - 2026

Name of Location : Village – Kandagara

ID No. : URA/ID/A-26/03/002

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-03-2026	59.7	26.5	24.1	27.5	--	--
2.	06-03-2026	56.2	30.2	25.8	30.1	--	--
3.	10-03-2026	67.2	27.2	23.2	27.3	25.4	BDL
4.	13-03-2026	66.5	28.3	20.6	24.5	--	--
5.	17-03-2026	60.6	30.4	17.6	21.1	--	--
6.	20-03-2026	57.4	23.6	15.9	18.7	--	--
7.	24-03-2026	51.6	20.8	17.3	21.4	--	--
8.	27-03-2026	58.0	22.5	20.8	24.2	--	--
Average		59.7	26.2	20.7	24.4	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : March - 2026

Name of Location : Village - Wandh

ID No. : URA/ID/A-26/03/003

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1.	03-03-2026	72.0	32.2	25.5	30.2	--	--
2.	06-03-2026	57.8	39.7	28.1	33.4	--	--
3.	10-03-2026	66.3	31.1	24.3	27.6	--	--
4.	13-03-2026	53.6	27.4	21.7	25.4	--	--
5.	17-03-2026	68.7	29.5	19.7	23.8	44.5	BDL
6.	20-03-2026	64.0	25.4	21.3	26.5	--	--
7.	24-03-2026	61.6	22.0	18.7	23.2	--	--
8.	27-03-2026	58.6	24.5	23.4	28.7	--	--
Average		62.8	29.0	22.8	27.4	--	--

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : **M/s. Adani Power Limited, Mundra**
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : March - 2026

Name of Location : Nr.20 MLD Plant

ID No. : **URA/ID/A-26/03/004**

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	14-03-2026	81.1	35.8	23.8	32.1	42.1	BDL
Average		81.1	35.8	23.8	32.1	42.1	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182,Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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CIN: U73100GJ2007PTC051463



Monthly Average Report

AMBIENT AIR MONITORING

Name and Address of Client : M/s. Adani Power Limited, Mundra
Village: Tunda & Siracha,
Tal. Mundra, Dist.: Kutch.
GUJARAT – 370 435.

Month of Monitoring : March - 2026

Name of Location : Nr. Shantiniketan - 1

ID No. : URA/ID/A-26/03/005

Sr. No.	Sampling Date	Concentration in Ambient Air (µg /m³)					
		PM ₁₀ µg/M³	PM _{2.5} µg/M³	Sulphur Dioxide (SO ₂) µg/M³	Nitrogen Dioxide (NO ₂) µg/M³	Ozone (O ₃) µg/M³	Mercury (Hg) µg/M³
GPCB Permissible Limit (TWA for 24 hrs.)		100	60	80	80	100	N.A.
1	15-03-2026	71.1	32.1	16.7	25.6	32.1	BDL
Average		71.1	32.1	16.7	25.6	32.1	BDL

Remark: Calibrated equipment & instruments were used during monitoring & analysis of above identified sample.

Analysis Method Reference: SPM – IS: 5182 (Part 4), 1999, PM₁₀-IS: 5182 (Part 23), 2006, PM_{2.5}- IS - 5182, Part-24, SO₂ – IS: 5182 (Part 2), 2001, NO_x – IS: 5182 (Part 6), 2006, Hg: AAS by VGA Method -3112 B APHA 22 Edison & Hg: 2 ppb, O₃: IS – 5182 (Part 9) 2009, Ozone BDL limit: 5 $\mu\text{g}/\text{m}^3$

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MARINE MONITORING REPORT

December 2025 - February 2026



Submitted to

Adani Power Ltd. (APL), Mundra

Village Tunda & Sirach

Taluka Mundra

District Kutch- 370 435

Gujarat

Prepared By:

M/s. UniStar Environment and Research Labs. Pvt. Ltd.

215 - Royal Arcade, Near GIDC Office, Char Rasta, Vapi,

District Valsad - 396 195

Gujarat

PREFACE

Adani Power Ltd., Mundra (APL, Mundra) is coal-based Thermal Power plant located near village Tunda and Siracha, Taluka Mundra District Kutch, Gujarat. with capacity of 4620 MW in Phased manner. Currently, APL is a largest coal based Thermal power plant in private sector in INDIA. APL-Mundra has commissioned the first supercritical 660 MW unit (Phase III) in the country. This is also the World's First supercritical technology project to have received the 'Clean Development Mechanism (CDM) Project' certification from United Nations Framework Convention on Climate Change (UNFCCC). Currently, the total power production capacity of the APL-Mundra has increased to 4620 MW.

APL-Mundra has engaged **M/s. UniStar Environment and Research Labs Pvt. Ltd., Vapi** to **carry out the** seasonal Marine Monitoring Study along with the seawater intake and outfall (discharge) channels of APL-Mundra plant. This marine monitoring study involved the assessment of Physio-chemical parameters at the earlier prescribed locations. The distribution and diversity of marine flora and fauna were assessed through water sampling from sub-tidal regions. Furthermore, the distribution of the benthic community was evaluated from the sediment samples collected along the sub-tidal and inter-tidal regions. The overall objective of this study is to monitor the status of prevailing ecology along the intake and discharge (outfall) channels, in terms of water and sediment quality through assessment of physico-chemical parameters and marine biota. This marine monitoring report provides a comprehensive analysis of the data obtained through a monitoring study undertaken during post-monsoon (December 2025) and pre-monsoon (February 2026) seasons.

Date:

M/S. UniStar Environment and Research Labs Pvt. Ltd.

White House, Char Rasta,

Vapi-396 191

Approved by



Mr. Jaivik Tandel
(Authorized By)

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1. INTRODUCTION

1.1 OVERVIEW

Adani Power Limited (APL-Mundra) is an imported coal-based thermal power plant located near village Tunda and Siracha, Taluka Mundra, District Kutch, Gujarat, India. APL-Mundra is the largest single location private coal-based power plant in India. The capacity of APL-Mundra plant is 4620 MW, and it comprises of 9 units with 4 units of 330 MW (Phase I and II) and 5 units of 660MW (Phase III and IV). The 330 MW units are based on subcritical technology, and the 660 MW units are based on supercritical technology. APL-Mundra has created history by synchronizing the first super-critical technology-based 660 MW generating unit. This is not only the first super-critical generating unit in the country but also the fastest project implementation ever by any power developer in the country. The Power plant is situated within “Adani Port Special Economic Zone LTD.” APSEZL, closed to the sea but out of CRZ area. The sea is perennial source of cooling water & other utility for the power plant.

M/S. UniStar Environment and Research Labs Pvt. Ltd., Vapi, India have carried out the routine Marine Monitoring Study in the vicinity of the APL-Mundra Mundra plant during the post-monsoon (23rd-24th December 2025) and pre-monsoon (26th-27th February 2026) seasons. The sampling was carried out along the integrated sea intake channel (2 stations) and at vicinity of discharge/outfall channel water mixing region (2 stations). These integrated intake and outfall channels were developed and maintained by Adani Port and SEZ (APSEZ). One station was situated in between these two locations. This assessment involves the collection of Physico-chemical parameters from 5 subtidal locations (Table 1). The distribution and diversity of marine microflora (phytoplankton and pigments) and fauna (zooplankton) were assessed from water samples collected from 5 subtidal stations (Table 1). The assemblage of the macrobenthic community was studied from 5 sub-tidal and 3 inter-tidal stations. The present report presents a detailed account of the results observed during the Marine Monitoring Study at the vicinity of the APL-Mundra during post-(December 2025) and pre-monsoon (February 2026) seasons.

1.2 OBJECTIVES

- a) To analyses the physico-chemical seawater parameter for understanding the water quality in the study area.
- b) Evaluation of the prevailing status of marine biota through the quantitative and qualitative analysis of marine flora (phytoplankton and pigments) and fauna (zooplankton and macrobenthos).
- c) To recommend adequate marine environmental management measures.

2. STUDY PROGRAM

2.1 STUDY PERIOD

The field investigations were carried out on 23rd-24th December 2025 (post-monsoon season) and 26th-27th February 2026 (pre-monsoon season). The sampling strategy was planned in such a manner as to get a detailed characteristic of the marine environment of the study area. Sampling and analysis for the marine environment have been carried out by **M/s. UniStar Environment and Research Labs Pvt. Ltd, Vapi, India.**

2.2 SAMPLING LOCATIONS

Sampling was carried out at 5 subtidal stations and 3 intertidal transects along with the sea intake and outfall channels. Out of 5 subtidal stations, 2 were in the sea intake channel, 2 along the discharge mixing (outfall channel) region and remaining 1 in between these two locations. One intertidal station was located along the sea intake channel and 2 were along the discharge region. The detailed geographic coordinates of sampling stations are given in Table 1 and Figure 1.1.

Table 1: Geographic coordinates, water, and sediment parameters at the subtidal sampling stations, APL-Mundra during December 2025 and February 2026.

Station	Station code	Locations	Coordinates		Water Depth (in m)	
					Dec. 25	Feb. 26
1	St-1	Intake point	22°48'30.50"N	69°32'57.84"E	3.4	3.8
2	St-2	Mouth of intake point	22°47'07.20"N	69°32'06.50"E	3.9	4.1
3	St-3	West port area	22°45'27.70"N	69°34'50.63"E	4.2	4.6
4	St-4	Outfall area	22°44'40.56"N	69°36'26.61"E	3.9	3.7
5	St-5	Outfall area	22°45'12.60"N	69°36'44.54"E	4.0	3.6

Table 2: Geographic coordinates, water, and sediment parameters at the intertidal sampling stations, APL-Mundra during December 2025 and February 2026.

Station	Station code	Tide Level	Coordinates		December 2025		February 2026	
					Intertidal exposed area	Sediment texture	Intertidal exposed area	Sediment texture
I	IT-1 (HW)	High Tidewater level	22°47'0 7.55" N	69°32'16.9 1" E	3.7 m	Silty sand	4.1 m	Silty sand
	IT-1 (LW)	Low Tide water level	22°47'0 6.38" N	69°32'11.6 2" E		Silty sand		Silty sand
II	IT-2 (HW)	High Tidewater level	22°45'5 8.72" N	69°34'35.4 1" E	3.9 m	Silty Sandy	3.9 m	Silty Sandy
	IT-2 (LW)	Low Tidewater level	22°45'5 7.74" N	69°34'35.0 5" E		Silty sand		Silty sand
III	IT-3 (HW)	High Tidewater level	22°44' 52.21" N	69°36'41.6 4" E	3.5 m	Sandy	4.0 m	Sandy
	IT-3 (LW)	Low Tidewater level	22°44' 51.23" N	69°36'39.2 8" E		Sandy		Sandy



Figure 1: Map of the study area illustrating the subtidal and intertidal sampling stations.

2.3 SAMPLING STRATEGY

2.3.1 Sampling frequency

A sampling at the subtidal stations was carried out during the flood to ebb tides. Surface and bottom water samples were collected in duplicate for assessing water quality and marine biota. Intertidal samples were collected in duplicate during low tide at each transect.

2.3.2 Sampling methodology

For estimation of Physico-chemical parameters and marine flora (phytoplankton and pigments), subsurface samples were collected using the Niskin water sampler (5 L capacity) with a mechanism for closing at the desired depth. Surface water samples were collected using a clean polyethylene bucket. Phytoplankton samples were collected in clean polyethylene bottles (1 L) fitted with inert cap liners and preserved with 4% Lugol's iodine solution. For pigment analysis, water samples were stored in clean, dark polyethylene cans (5 L). Chemical parameters samples were collected in polyethylene or glass bottles. Samples for phenol were collected in polyethylene or glass bottles and Petroleum Hydrocarbon samples collected in glass bottles. Dissolve oxygen (DO) and Biological Oxygen Demand (BOD) samples were collected in glass BOD bottles. The temperature was measured on the field with a calibrated thermometer. Analysis of other parameters was carried out in the laboratory.

For zooplankton, oblique hauls were made using Heron Tranter net attached with calibrated flow meter. Samples were stored in clean polyethylene bottles (0.5 L) and fixed with 5% formaldehyde.

For the analysis of macrobenthos, subtidal sediment samples were collected using a Van Veen grab covering an area of 0.04 m². Intertidal samples were collected using a metal quadrant. Samples were sieved with a 500 μ metal sieve and preserved with Rose Bengal-formalin solution and stored in plastic zip-lock bags.

2.4 SAMPLE ANALYSIS METHODS

2.4.1 Physico-chemical parameter:

Samples were analysed by using different analytical methods for estimations of Temperature, Turbidity, PH, Suspended Solid (SS), Salinity, DO, BOD, COD, Phosphate, Total nitrogen, Nitrite, Nitrate, Phenols and PHc. The samples collected during the field visit were brought to the laboratory for further analysis of physico-chemical parameters. The standard methods used for the analysis of water quality parameters are given in Table 3a, b.

2.4.2 Sediment Quality parameters:

Sediment texture, Petroleum Hydrocarbon (PHc), Phosphorus, Organic Carbon, Aluminium, Iron, Chromium, Nickel, Zinc, Lead, Copper, Cobalt, Cadmium, Mercury, Arsenic. The standard methods used for the analysis of each parameter (Table 4).

2.4.3 Biological parameters:

2.4.3a Phytoplankton:

The Lugol's preserved samples were allowed to settle for 48-72 hrs. The identification and enumeration of phytoplankton cells were carried out under a compound microscope using the Sedgwick Rafter slide. Species were identified to the genus level.

2.4.3b Phytoplankton pigments:

For the estimation of Chlorophyll *a* (Chl *a*) and Pheophytin, a known volume of field-collected water sample was filtered through Whatman glass microfiber filters (GF/F). Then filter paper was macerated in 90% acetone and stored overnight in the dark at 4°C. For estimation of Chl *a* fluorescence of the extract was measured using Turner Fluorometer. For phaeophytin fluorescence was measured after acidification with 0.1 N HCl.

2.4.3c Zooplankton:

Formalin preserved sample was divided into 4 equal portions using the Folsom Plankton Splitter. One portion of the samples was used to determine biomass using the volume displacement method. Another portion was used for enumeration and identification of (25-50%) faunal composition.

For the quantification of zooplankton, 4-5 ml of the sample was taken in a zooplankton counting chamber. The identification was carried out under Stereomicroscope. The zooplankton were identified at the group level.

2.4.3d Benthos:

For enumeration and identification of the macrobenthos, the organisms were handpicked using forceps and a paintbrush. After sorting, organisms were preserved in 10% formalin. Identification of the organisms was done to the group level under a stereomicroscope.

3 WATER QUALITY MONITORING

3.1 RESULT OF PHYSICO-CHEMICAL WATER PARAMETER ANALYSIS

The monsoonal influx plays an important role in controlling the variation in the physico-chemical characteristic. Surface and bottom water temperatures observed in the study area were in a range between 26.9 °C to 27.8°C in December 2025 (Table 3a) and 27.8°C to 28.4°C during February 2026 (Table 3b). The water temperature generally varied in accordance with the prevailing air temperature, tidal activity, and seasonality. The pH of the water is generally buffering effect, influenced by the freshwater and anthropogenic discharge from land. The observed pH in the study area was in the range of 7.9 to 8.2 in December 2025 and 7.8 to 8.1 during February 2026. Seawater turbidity is the cloudiness caused by large numbers of individual particles such as very fine clay and minute marine organisms. This also varies seasonally due to intrusion of land runoff and/or sediment resuspension. The turbidity was in a range between 0.1 to 1.0 NTU in December and March. The suspended solids generally constitute silt and clay eroded from the land or shore erosions and suspension of the benthic layers from the seabed. Anthropogenic discharges also contribute to suspended solids in the form of contaminants such as oil and solid waste in a polluted area. On a seasonal basis, high TSS in seawater could be observed during the active monsoon season. In the study area, TSS was 76.0 to 132 mg/L during December 2025 and 82.0 to 158 mg/L during February 2026. Salinity is an indicator of (saline or freshwater) water masses intrusion within the region. The salinity of seawater may vary with the riverine or inland influx, rains, or evaporation in the region. The salinity variation during the present sampling was 36.4 to 40.6 in December 2025 and 38.8 to 40.4 during February 2026.

High DO level is an indication of good oxidizing conditions in an aquatic environment. In unpolluted waters equilibrium is maintained through oxygen production during photosynthesis, dissolution from the atmosphere, consumption by the respiration and decay of organic matter in order the DO levels kept close to or above saturation value. The DO level of the study area was varied from 6.4 to 6.7 mg/L in December 2025 and 4.9 to 6.6 mg/L during February 2026. The average DO value was 6.5 mg/L (in December) and 6.1 (in March), which indicates the oxygenated conditions in the study region. BOD is generally indicating the effective consumption of oxidizable matter in that water body. The industrial effluents contain high BOD levels. Thus, high BOD is also an indication of the intrusion of industrial polluted effluent into natural waters. BOD levels in the study area were varied from 2.5 to 3.6 mg/L in December 2025 and 2.6 to 3.4 mg/L during February 2026. Dissolved phosphorus and nitrogen compounds serve as the nutrients for phytoplankton growth. The high nutrient concentrations in the seawater generally could be attributed to the anthropogenic and industrial influx. This could lead to further eutrophication and further

deterioration of the pristine ecosystem. In the present study, Phosphate concentration was range from 0.12 to 0.4 $\mu\text{mol/L}$ in December 2025 and 0.2 to 0.4 $\mu\text{mol/L}$ in February 2026. Nitrate concentration was range from 2.2 to 3.8 $\mu\text{mol/L}$ during December 2025 and 2.6 to 4.9 $\mu\text{mol/L}$ in February 2026. Nitrite concentration was range from 0.2 to 0.6 $\mu\text{mol/L}$ in December 2025 and 0.1 to 0.4 $\mu\text{mol/L}$ in February 2026. The Phenol compounds and PHc were not detected in the present investigation.

4 SEDIMENT QUALITY MONITORING

The sediment quality at different sampling stations was analysed only during February 2026 sampling. The results are presented in Table 4. The sediment in the subtidal region was mainly composed of silty sand to loamy sand. The Aluminium was not detected on the surface sediments of subtidal stations. The highest Cobalt content was recorded within range from 2.0 mg/kg (at St-2) to 8.5 mg/kg (St-3). At St-5, the highest Copper content (5.0 mg/kg) was recorded, whereas the lowest was detected at St-2 (3.3 mg/kg). The Zinc content was ranged from 10.6 mg/kg (St-2) to 14.3 mg/kg (St-4). The phosphorus content was ranged from 254.3 mg/kg to 342.6 mg/kg. Organic carbon content was ranged within 0.2 % to 0.3 %. The Chromium content of marine sediment was ranged from 8.2 mg/kg to 17.6 mg/kg. The highest chromium content was recorded as 17.6 mg/kg at St-5. The highest Nickel content (29.2 mg/kg) was recorded at St-5 and lowest (21.5 mg/kg) at St-3. In the subtidal region, the highest Manganese content was recorded at St-4 (147.5 mg/kg). The Iron content was higher at St-5 (4426.2 mg/kg) and lower at St-2 (2472.1 mg/kg). The PHc, Arsenic and Mercury were not detected in the sediments during this study.

Table 3a: Water quality parameters reported during December 2025.

Sr. No.	Parameters	St-1		St-2		St-3		St- 4		St-5		Test Method Permissible
		S	B	S	B	S	B	S	B	S	B	
PHYSICAL QUALITY												
1	pH @ 25°C	8.0	8.0	8.2	8.0	7.9	8.2	8.0	8.2	8.2	8.1	IS 3025(Part 11):2022
2	Temperature (°C)	27.1	27.0	27.4	26.9	27.5	27.2	27.8	27.3	27.6	27.2	IS 3025(Part 9):2023
3	Turbidity (NTU)	1.0	1.0	0.1	1.0	1.0	1.0	0.1	0.1	1.0	1.0	IS 3025(Part 10):2023
CHEMICAL QUALITY												
1	Total Suspended Solids (mg/l)	81	92	89	132	85	118	80	121	76	114	APHA 24th Ed.,2023,2540- D
2	Salinity	40.6	36.4	38	40.6	38.9	39.7	37.2	38	38	40.6	APHA 24th Ed.,2023, 2520- B,
3	Dissolved Oxygen (mg/l)	6.5	6.4	6.6	6.5	6.6	6.4	6.5	6.7	6.7	6.5	APHA 24th Ed.,2023,4500-O, B
4	Biochemical Oxygen Demand (BOD) (mg/l)	2.9	3.5	3.2	3.1	2.9	3.6	2.5	3.1	2.5	2.6	IS 3025(Part 44):2023
5	Sulphate as SO ₄ (mg/l)	2044	2143	2020	2295	2266	2338	1844	1986	1990	2010	IS 3025(Part 24):2022
6	Ammonical Nitrogen (μmol/l)	0.4	0.6	0.5	0.8	0.4	0.4	0.3	0.8	0.5	0.4	IS: 3025 (Part 34/Sec.-1):2023 (By ISE Method)
7	PO ₄ ³⁻ -P (μmol/l)	0.2	0.15	0.12	0.15	0.2	0.4	0.3	0.3	0.3	0.2	APHA 24th Ed.,2023,4500-P, D
8	(NO ₃ ⁻ -N) (μmol/l)	2.2	2.4	2.3	3.2	2.5	3.6	2.4	2.9	2.6	3.8	APHA 24th Ed.,2023,4500 NO3-B
9	(NO ₂ ⁻ -N) Nitrite (μmol/l)	0.4	0.5	0.3	0.4	0.2	0.4	0.3	0.5	0.4	0.6	APHA 24th Ed.,2023,4500NO ₂ B
10	Phenol (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	IS 3025(Part 43):2022
11	PHc (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.,2023,5520 F

Note: St= Station
 S=Surface; B=Bottom
 BDL = Below Detection Limit and N.D. = Not detectable
 BDL (MDL:0.01)
 Turbidity= 0.1=1 to 10 NTU; 1=10 to 40 NTU; 5=40-100 NTU

Table 3b: Water quality parameters reported during February 2026.

Sr. No.	Parameters	St-1		St-2		St-3		St- 4		St-5		Test Method Permissible
		S	B	S	B	S	B	S	B	S	B	
PHYSICAL QUALITY												
1	pH @ 25°C	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.9	8.0	7.8	IS 3025(Part 11):2022
2	Temperature (°C)	28.2	28.0	28.0	27.8	28.3	28.0	28.0	28.3	28.0	28.4	IS 3025(Part 9):2023
3	Turbidity (NTU)	1	1	1	1	0.1	0.1	1	1	1	1	IS 3025(Part 10):2023
CHEMICAL QUALITY												
1	Total Suspended Solids (mg/l)	92	132	118	125	98	158	89	123	82	128	APHA 24th Ed.,2023,2540- D
2	Salinity	38.8	39.6	39.7	39.4	38.8	39.5	39.7	40.4	40.2	40.3	APHA 24th Ed.,2023, 2520- B,
3	Dissolved Oxygen (mg/l)	6.6	5.8	6.1	4.9	6.5	6.4	6.6	5.8	6.6	6.1	APHA 24th Ed.,2023,4500-O, B
4	Biochemical Oxygen Demand (BOD) (mg/l)	2.8	3.2	3	2.9	3.2	2.6	3.4	3.4	2.9	3.1	IS 3025(Part 44):2023
5	Sulphate as SO ₄ (mg/l)	2151	2454	2416	2362	2254	2242	2357	2315	2260	2460	IS 3025(Part 24):2022
6	Ammonical Nitrogen (µmol/l)	0.3	0.5	0.4	0.6	0.3	0.3	0.2	0.5	0.4	0.5	IS: 3025 (Part 34/Sec.-1):2023 (By ISE Method)
7	PO ₄ ³⁻ -P (µmol/l)	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.3	0.4	APHA 24th Ed.,2023,4500-P, D
8	(NO ₃ ⁻ -N) (µmol/l)	2.6	4.9	2.8	3	2.7	3	3.1	3.1	3	3.2	APHA 24th Ed.,2023,4500 NO3-B
9	(NO ₂ ⁻ -N) Nitrite (µmol/l)	0.4	0.4	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.2	APHA 24th Ed.,2023,4500NO ₂ B
10	Phenol (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	IS 3025(Part 43):2022
11	PHc (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.,2023,5520 F

Note: St= Station
S=Surface; B=Bottom
BDL = Below Detection Limit and N.D. = Not detectable
BDL (MDL:0.01)
Turbidity= 0.1=1 to 10 NTU; 1=10 to 40 NTU; 5=40-100 NTU

Table 4: Subtidal sediment quality parameters during February 2026.

No.	Parameters	SUBTIDAL SEDIMENT QUALITY (g/kg)					Test Method Permissible
		St-1	St-2	St-3	St- 4	St-5	
1	Texture	Silty clay	Silty sand	Silty sand	Silty clay	Silty clay	Lab SOP No. UERL/CHM/LTM/108
2	Aluminium as Al%	ND	N.D.	N.D.	N.D.	N.D.	Spectrophotometric Method
3	Cobalt as Co (mg/kg)	4.6	2.0	8.5	4.0	3.4	EPA 3050B :1996/7000B :2007
4	Copper as Cu (mg/kg)	4.8	3.3	3.5	4.2	5.0	EPA 3050B :1996/7000B :2007
5	Zinc as Zn (mg/kg)	14.0	10.6	13.0	14.3	11.0	EPA 3050B :1996/7000B :2007
6	Mercury (mg/kg)	BDL	BDL	BDL	BDL	BDL	EPA 7471A Method
7	Phosphorous (Total) (mg/kg)	254.3	272.4	296.5	342.6	276.4	IS 10158B (Stannous Chloride Method)
8	C (Org.) %	0.3	0.2	0.2	0.3	0.3	IS: 2720 (Part 22):1972
9	Chromium (mg/kg)	15.5	8.2	13.7	14.3	17.6	EPA 3050B :1996/7000B :2007
10	Nickel (mg/kg)	25.3	22.9	21.5	25.7	29.2	EPA 3050B :1996/7000B :2007
11	Manganese (mg/kg)	141.0	69.7	115.7	147.5	146.4	EPA 3050B :1996/7000B :2007
12	Iron (mg/kg)	2844.5	2472.1	4095.6	3870.6	4426.2	EPA 3050B :1996/7000B :2007
13	PHc (µg/kg)	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.,2023,5520 F
14	Arsenic (mg/kg)	BDL	BDL	BDL	BDL	BDL	EPA 1998, SW-846, Method 7061A 1992

Note: St= Station

BDL= Below Detectable Limit and N.D. = Not detectable

BDL (MDL: 0.01) for Mercury

BDL (MDL: 0.05) for Arsenic

5 BIOLOGICAL PARAMETERS (BIODIVERSITY STUDY)

Marine ecosystems are subject to a multitude of direct human pressures, such as overexploitation, eutrophication, pollution, and species introductions. These stressors can have synergistic effects on marine ecosystems, altering its functioning. Anthropogenic involvements constantly compromise the health of the marine ecosystem by disturbing the ecological balance. Hence the assessment of the biotic components along with abiotic factors is an integral part of environmental assessment and monitoring study. During the present investigation at APL-Mundra, the abundance and distribution of marine organisms (plankton and benthos) were studied as part of routine environmental monitoring.

5.1 PLANKTONIC FORMS

The name plankton is derived from the Greek word “planktons”, meaning “wanderer” or “drifter”. While some forms of plankton are capable of independent movement and can swim up to several hundred meters in a single day, their position is primarily determined by currents in the body of water they inhabit. As per definition, organisms classified as "plankton" are unable to resist ocean currents. Plankton is primarily divided into two broad functional groups i.e., Phytoplankton and Zooplankton.

5.1.1 Phytoplankton

Phytoplankton are microscopic, single-celled photosynthetic organisms that live suspended in all water niches, including oceans, freshwater, and marine niche. Like the terrestrial ecosystem where plants are an integral part of the ecosystem, phytoplankton play key role in the biogeochemistry of the oceans. As they are dependent on sunlight for energy, they mostly inhabit the euphotic zone. Therefore, they are responsible for production of half of the atmosphere's oxygen and more than half of the primary production in the oceans. There are many species of phytoplankton, each of which has a characteristic shape, size, and function. Marine species of phytoplankton grow abundantly in oceans around the world and are the foundation of the marine food chain. Marine phytoplankton are the producing (autotrophic) component in the ocean. There are fourteen classes of phytoplankton. Each class of phytoplankton contains unique attributes in size, cell structure, nutrients, and function.

5.1.2 Zooplankton:

Zooplankton occupies second position in the food web of the marine niche. They are the primary consumer's organisms and generally feed on phytoplankton or small, microscopic group of organisms for their nutritional needs. They are incapable of making their own food from sun-

light or inorganic compounds, and feed on organisms or the remains of other organisms to get the energy necessary for survival.

5.2 SIGNIFICANCE OF PHYTO- AND ZOOPLANKTONS

Phytoplankton are vital to marine ecosystems. They are producers, or autotrophs, that form the foundation of most marine food webs. As photosynthetic organisms, they can convert solar energy into chemical energy and store it in form of sugars. They are responsible for half of the photosynthetic activity on the planet. The significance of zooplanktons is found in their role of transferring biological production from phytoplankton to large organisms in the marine food web and the seafloor. The microscopic protozoan, tunicates, copepods, and other crustaceans graze upon many phytoplankton species. These in turn become food for other animals further linking the food web. Therefore, variability in reproduction of copepods would affect the survival of young fish that feeds on them.

Table 5: Test methods for phytoplankton and zooplankton analysis.

Sr. no.	Test performed	Method
1	Phytoplankton	APHA, Edition 24 th , Part 10000, 10200 F
2	Chlorophyll <i>a</i> and Pheophytin	APHA, Edition 24 th , Part 10000, 10200 H (with some modification)
3	Zooplankton	APHA, Edition 24 th , Part 10000, 10200 G
4	Macro benthos	APHA, Edition 24 th , Part 10000, 10500 A-10500 D

5.3 PHYTOPLANKTON DIVERSITY:

Phytoplankton sampling was carried out at 5 stations. At each station, water samples were collected from surface and bottom waters. During the sampling period the phytoplankton population in the coastal waters of APL-Mundra, was more diverse during the post-monsoon season (December 2025) than pre-monsoon (February 2026) (Table 6). The overall phytoplankton abundance was also more during post-monsoon than the pre-monsoon season. The detailed species percentage composition reported during both sampling period is given in Annexure I and II. In December 2025, the phytoplankton community was represented with a total of 35 phytoplankton genera belonging to diatoms (30 genera) and dinoflagellates (5 genera). Overall, 32 phytoplankton genera representing diatoms (28 genera) and dinoflagellate (4 genera) reported during February 2026

sampling. Diatoms Species belonged to *Amphora* sp., *Amphiprora* sp., *Asterionella* sp., *Bacillaria* sp., *Chaetoceros* sp., *Corethron* sp., *Coscinodiscus* sp., *Cyclotella* sp., *Cylindrotheca* sp., *Diploneis* sp., *Ditylum* sp., *Guinardia* sp., *Lauderia* sp., *Leptocylindrus* sp., *Lithodesmium* sp., *Navicula* spp., *Nitzschia* spp., *Melosira* sp., *Odontella* sp., *Pinnularia* sp., *Pleurosigma* spp., *Rhizosolenia* sp., *Streptotheca* sp., *Surirella* sp., *Stauroneis* sp., *Thalassionema* sp., *Thalassiosira* sp., *Thalassiothrix* sp., *Ceratium* sp., *Gonyaulax* sp., *Prorocentrum* sp. and *Protoperidinium* sp. were common during both December 2025 and February 2026 samplings.

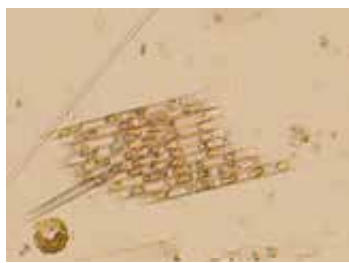
The phytoplankton abundance in the study region was higher during the 222.6 to 375 cells x 10² L⁻¹ during December 2025 as compared to February 2026 (ranged from 191.1 to 305.5 cells x 10² L⁻¹). In December 2025, the highest phytoplankton abundance was observed at St-5 in the bottom water (378 cells x 10² L⁻¹). The lowest phytoplankton abundance (222.6 cells x 10² L⁻¹) was observed at St-2 in surface water. During February 2026, phytoplankton abundance was higher at St-5 in bottom water (305.5 cells x 10² L⁻¹) and lowest at St-3 surface water (191.1 cells x 10² L⁻¹). The diatom genera, *Thalassiosira* sp. (up to 69.0 cells x 10² L⁻¹) during December 2025 (Annexure I), whereas in February 2026, *Chaetoceros* sp. (up to 51.0 cells x 10² L⁻¹) was also predominant (Annexure II). The study shows that the marine water around was enriched with the diverse phytoplankton population during the sampling period.

Table 6: Different marine biological parameters (phytoplankton abundance, Chlorophyll *a*, Pheophytin concentrations) reported from the marine waters of APL-Mundra, during December 2025 and February 2026.

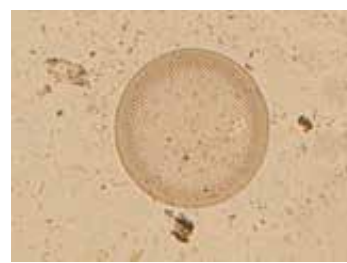
Parameter	Sampling period	Sampling Stations									
		St-1	St-1	St-2	St-2	St-3	St-3	St-4	St-4	St-5	St-5
		S	B	S	B	S	B	S	B	S	B
Phytoplankton (cells x 10 ² L ⁻¹)	December 2025	234.0	326.2	222.6	308.0	223.2	322.0	243.2	303.0	302.4	375.0
	February 2026	212.8	234	245.3	297	195	250.5	212.8	270	299.2	312
Chlorophyll <i>a</i> (µg/L)	December 2025	2.9	3.1	2.6	3.4	2.6	2.4	2.8	3.2	2.2	3.0
	February 2026	1.8	2.4	2	2.6	1.9	2.8	1.9	2.4	2.2	2.5
Phaeophytin (µg/L)	December 2025	1.1	1.5	1.3	1.7	1.3	0.9	1.0	1.5	1.4	1.7
	February 2026	0.9	0.7	0.6	0.9	0.7	1.3	0.8	0.9	0.8	0.6



Chaetoceros sp.



Bacillaria sp.



Coscinodiscus sp.



Navicula sp.



Ceratium sp.



Odontella sp.

Figure 2: Microphotographs of phytoplankton reported in the coastal waters of APL-Mundra, during December 2025 and February 2026.

5.4 PHYTOPLANKTON PIGMENTS (CHLOROPHYLL *a* AND PHEOPHYTIN):

Marine phytoplankton contains essential as well as accessory pigments like that of terrestrial plants. Phytoplankton pigments capture sunlight. The resulting photosynthesis and its products, especially the oxygen and organic compounds, all rely on the light energy captured by the different phytoplankton pigments. Chlorophyll *a* is the major pigment for light harvesting, and plays a significant role in photosynthesis and photoprotection, by extending the light collection window and protecting the cell from the damage of high irradiance levels or high ultraviolet light exposure.

Algal chlorophyll forms a series of degradation products upon degradation. In addition to Chlorophyll the naturally occurring pigments in algal cells. The nature of these degradation products depends on which part of the chlorophyll molecule is affected. As chlorophyll degrades, the initial step is either the loss of the magnesium from the centre of the molecule or the loss of the phytol tail. This results in the formation of the molecule, phaeophytin. Depending on the parent molecule several distinct molecules like phaeophytins, chlorophyllides, and pheophorbides can be produced. Thus, in addition to Chlorophyll *a* filtered seawater contains colour degradation products of phytoplankton pigments.

5.4a CHLOROPHYLL *a* AND PHAEOPHYTIN CONCENTRATIONS

The phytoplankton biomass distribution expressed in terms of Chlorophyll *a* (Chl-*a*) and Pheophytin at selected stations in the coastal region of APL-Mundra, is presented in Table 6. Overall, Chl-*a* concentration was more during the December 2025 (2.2 to 3.4 µg/L) than the February 2026. In December 2025, the highest Chl-*a* (3.4 µg/L) was observed at bottom waters of St-2. In February 2026, the Chl-*a* concentrations in the study region were ranged from 1.8 µg/L to 2.8 µg/L. The Pheophytin content was ranged from 0.6 µg/L to 1.3 µg/L.

The variations observed between the surface and bottom waters could be due to several natural biological variability. The concentration of Pheophytin is a measure of the dead cells and is an indirect indicator of biotic and abiotic stress conditions of the algae leading to a deterioration of Chl-*a*. The ratio from concentrations of Chl-*a* and Pheophytin in an aquatic ecosystem suggests a balance between the growth and mortality of phytoplankton life. In healthy environments, ratios of Chl-*a* to Pheophytin generally exceed 1.1. In the present study, this ratio was ranged from 1.8 to 4.2. The Chl-*a* and Pheophytin ratio showed marginally elevated levels in the surface waters as compared to the bottom waters. Overall, the ratios of Chl-*a* and Pheophytin concentration in the study region were generally high (>1), indicating that the appropriate conditions prevailed for the phytoplankton growth.

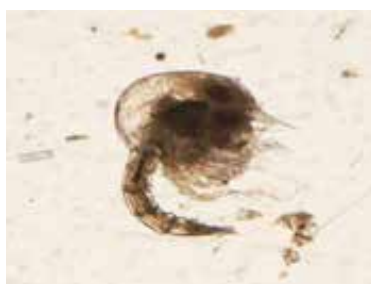
5.5 ZOOPLANKTON DIVERSITY:

Zooplankton standing stock in terms of population and biomass revealed substantial spatial and temporal variation (Table 7). Zooplankton population was more abundant during December 2025 (8.7 to 11.3 nos.×10³/100 m³) to than February 2026 (7.9 to 10.8 nos.×10³/100 m³). In December 2025, the maximum zooplankton population (11.3 nos.×10³/100 m³) and biomass (2.5 ml/ 100 m³) were recorded at St-1 and St-4, respectively. The lowest zooplankton population (8.7 nos.×10³/100 m³) and biomass (1.8 ml/100 m³) (Table 7) were observed at St-3. During February 2026, the maximum zooplankton population observed at St-5 (10.8 nos. ×10³/100 m³), whereas highest biomass (2.4 ml/ 100 m³) was reported at St-4.

Overall, Copepods (62.8 to 75.3 %) and copepod nauplii (13.5 to 23.3 %) dominated the zooplankton assemblage during both sampling periods (Figure 4). Other zooplankton groups such as brachyuran crab larvae, anomuran crab larvae, decapod (shrimps), fish and shellfish eggs, fish larvae, gastropod larvae, chaetognaths, polychaete larvae, siphonophore, ostracods, Oikopleura, Amphipods and Lucifer were also reported at various concentrations. Different groups of identified zooplankton groups are represented in Annexure III.

Table 7: Density and biomass of various zooplankton and macrobenthos groups in the coastal waters at the APL-Mundra during December 2025 and February 2026.

Parameter	Sampling period	Sampling Stations				
		St-1	St-2	St-3	St-4	St-5
Zooplankton						
Population (nos.× 10 ³ /100 m ³)	December 2025	11.3	9.9	8.7	10.1	9.6
	February 2026	9.5	9.0	7.9	8.9	10.8
Biomass (ml./100 m ³)	December 2025	2.3	2.1	1.8	2.5	2.0
	February 2026	1.9	1.8	1.6	2.4	2.2
Macrobenthos						
Total abundance (nos./m ²)	December 2025	934	800	733	1167	767
	February 2026	667	700	600	934	733
Biomass (g/m ²)	December 2025	2.3	2.0	1.8	4.7	1.8
	February 2026	2.0	2.3	1.7	0.4	1.7



Crab Larvae



Copepod



Fish eggs



Copepod nauplii

Figure 3: Microphotographs of zooplankton reported along the APL-Mundra coast during December 2025 and February 2026.

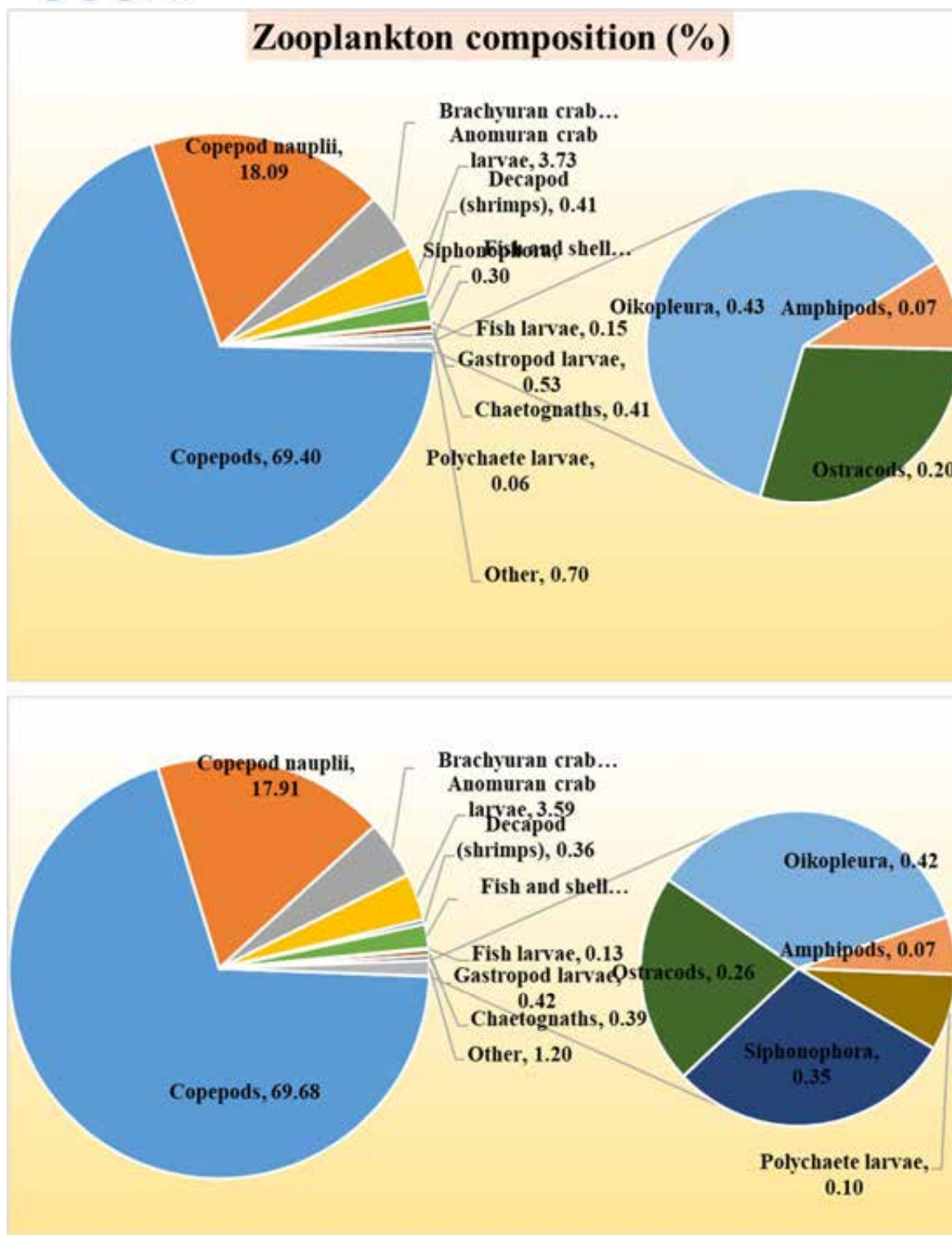


Figure 4: Composition (%) of zooplankton groups reported from the marine waters of APL-Mundra during December 2025 and February 2026.

5.6 Macrobenthic fauna

The benthic zone is the lowest ecological zone of a water body which usually involves the sediments at the seafloor. The benthic environment is divided into distinctive ecological zones based on depth, seafloor topography, and vertical gradients of physical parameters. These are the supralittoral, littoral, sublittoral, bathyal, abyssal, and hadal zones. The number of phyla and species of benthic animals exceeds those of pelagic species, at least partly because of the greater physical variety of benthic habitats. Benthic animals are separated into infaunal and epifaunal species, depending upon whether they live within sediments or on the surface of the seafloor, respectively. Size categories of the zoobenthos consist of the larger macrofauna (>1.0 mm), the small meiofauna which is characteristically found in sand and mud, and the microfauna which is made up mostly of protozoans.

Benthic organisms are morphologically different from those planktonic organisms. Many are adapted to live on the substrate (bottom). In benthic habitats, they can be considered dominant creatures. These organisms adapted to deep-water pressure so cannot survive in the upper parts of the water column. Since light does not penetrate very deep ocean water, the benthic organisms often depend on the organic matter falling from the upper water column as their main energy source. This dead and decaying matter sustains the benthic food chain. The most benthic organisms are scavengers or detritivores. These organisms under being relatively stationary, are constantly exposed to changes undergoing in overlying water, and hence, respond very well to aquatic pollution. The macro benthos population is very sensitive to environmental perturbation and is highly influenced by the physicochemical characteristics of water, the nature of the substratum, food, predation, and other factors. The density of benthic invertebrates also fluctuates widely with the changes in the season.

5.6.1 Significance of macrobenthic organisms

The biomass of macrobenthic organisms in estuaries and coastal embayment is often high. It declines if communities affected by prolonged periods of poor water quality especially when anoxia and hypoxia are common. Burrowing and tube-building by deposit-feeding benthic organisms (bioturbation) help to mix the sediment and enhance the decomposition of organic matter. Nitrification and denitrification are also enhanced because a range of oxygenated and anoxic microhabitats are created. For example, the area of oxic-anoxic boundaries and the surface area available for diffusive exchange are increased by tube-building macrobenthos. The loss of benthic suspension-feeders can further enhance turbidity levels because these organisms filter suspended particles including planktonic algae, and they enhance sedimentation rates through bio deposition

(i.e., voiding of their wastes and unwanted food). Changes in the macro fauna (and flora) cause changes in nutrient storage pools. Macro fauna is also important constituents of fish diets and thus are an important link for transferring energy and nutrients between trophic levels, also driving pelagic fish and crustacean production. For these reasons, the benthic organisms are extremely important indicators of environmental change.

5.6.2 Benthic Diversity

5.6.2a Subtidal region:

The macrobenthic population study revealed large spatiotemporal variation with the benthic population during the study period. Overall, more macrobenthos abundance and biomass were reported at subtidal stations than at intertidal stations. The macrobenthic abundance and biomass were more during the December 2025 than the February 2026 sampling. In December 2025, the macrobenthos density ranged from 733 no./m² to 1167 nos./m² at sampling stations (Table 7). The biomass of the macrobenthic community in the study region was ranged from 1.8 g/ m² to 4.7 g/ m² in the study region. The maximum abundance and biomass of benthic microorganisms was reported at St-4 (1167 nos./m² and 2.0 g/m²). During February 2026, the macrobenthos density was ranged from 600 to 934 nos./m². The macrobenthic biomass was ranged from 0.4 to 2.3 g/ m².

In species composition (Annexure IV), Polychaete species (Phylum Annelida) belonging to the family Paraonidae, Pilargidae, Capitillidae, Cossuridae, Glyceridae, Ciratullidae, Nephthyida, Nereidae, Lumbriconeridae, Spionidae were abundant contributing ~67% to macrobenthic population during December 2025. In February 2026, polychaete species contributed ~62% to macrobenthic population (Annexure IV). Overall, the presence of Polychaete, Amphipods, and Nemerteans suggest the availability of food organisms for benthic predators in the area. The macrobenthic population reported during both studies reveals that the large spatial-temporal variation with the benthic population could be due to the change in bottom substratum.

5.6.2b Intertidal region

The sandy substratum with low organic matter affects the occurrence of the macrobenthic community in the intertidal region. In February 2026, the highest biomass was measured (0.3 g/m² to 0.8 g/m²) in the intertidal region. The highest density of macrobenthic organisms was reported at station IT-2 (LW) (272 nos./m²), whereas the lowest density was reported at Station IT-1 (HW) (192 nos./m²). During December 2025, the macrobenthic biomass was ranged from (0.4 to 0.7 g/m²). At IT-1 (LW) the higher macrobenthic population (304 nos./m²) and biomass (0.7 g/m²) was reported. No macrobenthic community was observed at St-3 (HW and LW) may be due to sandy

sediment during both sampling periods. In species composition (Annexure V), Polychaete species dominated the macrobenthic population in the intertidal region.

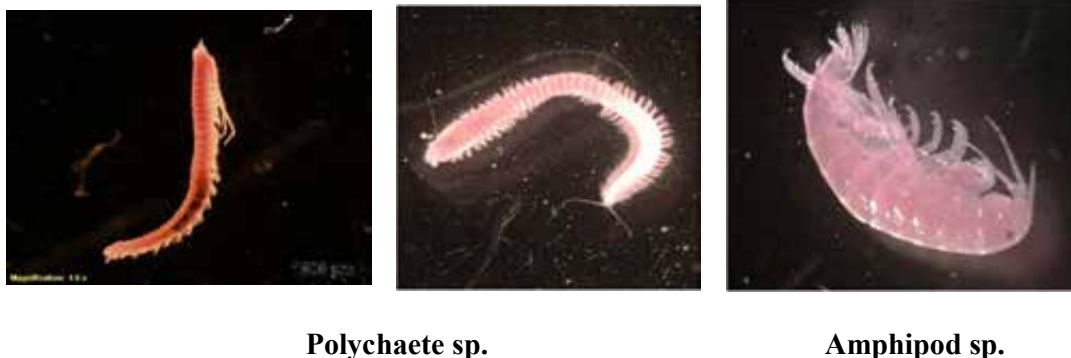


Figure 5: Microphotographs of macrobenthic organisms observed in the sediment samples collected in the vicinity of APL-Mundra during December 2025 and February 2026.

6 CONCLUSIONS

The current seasonal marine monitoring study identified diverse planktonic and benthic population along the APSEZ's integrated seawater intake and outfall channels. Seasonal environmental shifts influence the biotic population dynamics in the region. The planktonic and benthic population was more abundant during the post-monsoon sampling (December 2025) as compared to the pre-monsoon period (February 2026). The enriched and diversified plankton populations across both seasons indicate that favourable water conditions support their growth. Furthermore, the abiotic and biotic parameters reported in this seasonal study did not differ significantly from the initial baseline marine monitoring study.

The present study indicates that the diverse planktonic and benthic populations likely support local fish stocks, particularly along the outfall channel. This is corroborated by our contemporary bioassay study, in which the fish species *Mugil cephalus* (collected from Kotdi Creek) exhibited a 90% survival rate in outfall water. This high survival rate, combined with the presence of enriched marine biota, suggests that abiotic characteristics-specifically discharge water temperature-do not have an adverse biological impact. The systematically designed 11 km-long outfall channel facilitates effective cooling of the discharged water. Additionally, an aqueduct constructed over Kotdi Creek prevents the advection of outfall water and maintains the creek's natural flow, ensuring regulatory compliance.

Table 8: Names of the Marine Monitoring Team Members

Sr. No.	Name of Person
1.	Mr. Vijay Thanki (Env. Chemist)
2.	Mr. Vishal Jadav (Env. Chemist)
3.	Ms. Sagar Patel (Env. Microbiologist)
4.	Mr. Bhavin Patel (Env. Engineer)
5.	Dr. Sushant Sanaye (Marine Biologist)



PHOTOGRAPHS OF DIFFERENT TYPES OF SAMPLING

Annexures I: Phytoplankton composition (%) at different sampling stations in the coastal waters of APL-Mundra during December 2025.

Phytoplankton genera	Sampling stations									
	St-1	St-1	St-2	St-2	St-3	St-3	St-4	St-4	St-5	St-5
	S	B	S	B	S	B	S	B	S	B
Diatoms										
<i>Amphora</i> spp.	0.5	0.4	-	0.5	0.5	0.4	-	0.5	1.6	1.2
<i>Amphiprora</i> sp.	0.5	0.9	0.6	0.9	0.5	0.4	0.7	1.0	0.5	0.4
<i>Asterionella</i> sp.	4.1	5.2	5.0	4.1	3.2	3.0	3.3	4.0	4.8	2.8
<i>Bacillaria</i> sp.	0.5	1.3	1.3	1.4	1.1	1.3	1.3	1.5	0.5	1.2
<i>Chaetoceros</i> sp.	3.1	0.9	0.6	1.4	-	0.4	2.0	1.5	0.5	0.8
<i>Corethron</i> sp.	1.0	0.4	0.6	0.9	1.1	1.3	0.7	0.5	0.5	1.2
<i>Coscinodiscus</i> sp.	10.8	13.3	7.5	12.3	13.4	14.8	13.8	17.8	9.0	12.8
<i>Cyclotella</i> sp.	1.0	1.3	-	0.5	0.5	0.4	1.3	1.5	1.1	1.6
<i>Cylindrotheca</i> sp.	1.0	0.9	1.3	0.5	1.1	1.3	1.3	1.0	1.1	1.2
<i>Cymbella</i> sp.	0.5	-	0.6	0.9	-	0.9	-	-	-	0.4
<i>Diploneis</i> sp.	3.1	3.0	1.9	1.4	1.1	1.3	2.0	1.0	2.1	2.0
<i>Ditylum</i> sp.	3.6	3.9	3.1	2.7	1.6	1.7	1.3	1.5	1.6	1.2
<i>Fragilaria</i> sp.	1.0	1.3	0.6	0.5	1.1	0.4	0.7	1.0	1.1	1.2
<i>Hemialus</i> sp.	1.0	0.9	1.3	0.9	0.5	0.4	0.7	1.0	1.1	1.2
<i>Lauderia</i> sp.	1.0	1.3	-	0.5	0.5	0.9	0.7	0.5	0.5	0.8
<i>Leptocylindrus</i> sp.	0.5	0.9	1.9	1.4	0.5	0.4	0.7	0.5	0.5	0.8
<i>Lithodesmium</i> sp.	0.5	0.4	1.3	0.9	1.1	0.4	1.3	1.0	0.5	1.2
<i>Navicula</i> spp.	10.8	9.9	13.2	13.6	10.2	12.6	16.4	15.3	11.1	15.2
<i>Nitzschia</i> spp.	10.8	10.7	10.1	9.5	12.4	12.2	12.5	13.4	10.1	8.4
<i>Melosira</i> sp.	1.0	1.3	0.6	0.9	0.5	0.9	0.7	1.0	1.6	1.6
<i>Odontella</i> sp.	6.2	3.4	6.9	9.5	15.1	10.0	7.9	4.0	5.8	6.4
<i>Pinnularia</i> sp.	2.1	1.3	1.3	0.9	1.6	2.2	-	1.0	1.1	1.2
<i>Pleurosigma</i> spp.	1.5	1.7	0.6	1.4	0.5	2.2	0.7	0.5	1.1	1.2
<i>Rhizosolenia</i> sp.	9.2	8.2	5.0	5.5	3.8	3.9	7.9	8.9	11.6	8.4
<i>Synedra</i> sp.	1.5	0.4	0.6	-	0.5	0.4	0.7	1.0	1.1	0.8
<i>Surirella</i> sp.	-	0.4	-	-	1.1	0.4	-	0.5	-	0.4
<i>Thalassionema</i> sp.	6.2	3.9	4.4	1.8	5.9	6.5	5.9	2.5	3.7	1.6
<i>Thalassiosira</i> sp.	11.8	19.7	22.6	20.5	12.9	13.5	12.5	12.4	21.7	18.4
<i>Thalassiothrix</i> sp.	0.5	0.4	1.3	0.5	1.1	0.9	0.7	0.5	1.1	1.2
<i>Triceratium</i> sp.	1.0	-	1.9	-	1.6	1.3	-	-	1.1	-
Dinoflagellates										
<i>Ceratium</i> sp.	1.5	-	1.3	1.4	1.6	-	1.3	1.0	-	1.2
<i>Gonyaulax</i> sp.	-	-	0.6	0.9	0.5	0.4	-	0.5	0.5	0.4
<i>Prorocentrum</i> sp.	1.5	0.9	1.3	1.4	0.5	1.3	1.3	1.0	0.5	0.4
<i>Protoperidinium</i> sp.	-	0.9	0.6	0.5	1.1	0.9	-	0.5	0.5	0.8
<i>Scrippsiella</i> spp.	0.5	0.9	-	0.5	1.1	0.4	-	0.5	0.5	0.4

Note: S=surface; B=bottom; St=station

Annexures II: Phytoplankton composition (%) at different sampling stations in the coastal waters of APL-Mundra during February 2026.

Phytoplankton genera	Sampling stations									
	St-1	St-1	St-2	St-2	St-3	St-3	St-4	St-4	St-5	St-5
	S	B	S	B	S	B	S	B	S	B
Diatoms										
<i>Amphora</i> sp.	0.7	1.7	1.1	0.5	-	1.8	3.0	2.8	1.1	2.6
<i>Amphiprora</i> sp.	0.7	1.1	1.1	0.5	0.7	0.6	0.8	1.1	0.5	0.4
<i>Asterionella</i> sp.	4.0	4.4	5.4	3.6	2.8	2.4	2.3	4.0	3.8	2.6
<i>Bacillaria</i> sp.	1.3	1.7	1.6	-	1.4	1.8	1.5	1.7	0.5	1.3
<i>Chaetoceros</i> sp.	18.1	19.4	11.4	17.4	13.8	17.6	15.9	13.6	14.3	14.0
<i>Corethron</i> sp.	0.7	1.7	-	1.0	0.7	1.8	0.8	-	0.5	1.3
<i>Coscinodiscus</i> sp.	12.1	12.8	10.3	10.8	13.1	12.7	17.4	16.4	12.6	11.5
<i>Cyclotella</i> sp.	-	0.6	1.6	1.0	0.7	0.6	1.5	1.7	1.1	1.3
<i>Cylindrotheca</i> sp.	1.3	-	1.1	1.0	1.4	1.8	1.5	1.1	1.1	2.6
<i>Diploneis</i> sp.	1.3	1.7	3.3	2.6	1.4	1.2	2.3	1.1	1.6	1.7
<i>Ditylum</i> sp.	2.7	2.8	3.8	3.1	2.1	1.8	1.5	1.7	1.6	1.3
<i>Guinardia</i> sp.	-	0.6	1.6	1.0	1.4	0.6	0.8	1.1	1.1	1.3
<i>Lauderia</i> sp.	0.7	-	1.6	-	0.7	1.2	0.8	0.6	0.5	0.9
<i>Leptocylindrus</i> sp.	1.3	1.7	0.9	-	-	0.6	-	0.6	0.5	0.9
<i>Lithodesmium</i> sp.	1.3	1.1	0.5	-	1.4	0.6	1.5	1.1	0.5	1.3
<i>Navicula</i> spp.	9.4	5.6	8.7	8.2	11.7	2.4	12.1	13.0	9.9	7.7
<i>Nitzschia</i> spp.	8.7	9.4	6.5	9.7	9.0	6.7	6.1	6.8	8.2	7.2
<i>Melosira</i> sp.	0.7	1.1	1.6	1.0	-	1.2	0.8	1.1	1.6	1.3
<i>Odontella</i> sp.	10.1	12.8	6.5	13.8	13.1	16.4	10.6	11.3	10.4	10.2
<i>Pinnularia</i> sp.	-	1.1	-	1.5	0.7	1.2	-	1.1	1.1	1.3
<i>Pleurosigma</i> spp.	0.7	1.7	1.6	1.5	0.7	1.8	0.8	0.6	1.1	1.3
<i>Rhizosolenia</i> sp.	2.0	2.8	6.5	3.6	3.4	2.4	3.8	1.7	2.2	2.6
<i>Streptotheca</i> sp.	0.7	-	1.6	-	1.4	1.8	1.5	1.1	1.1	1.3
<i>Surirella</i> sp.	-	0.6	1.6	-	2.1	0.6	-	0.6	-	1.3
<i>Stauroneis</i> sp.	0.7	-	1.1	1.0	0.7	-	0.8	-	0.5	-
<i>Thalassionema</i> sp.	-	0.6	1.1	4.1	-	2.4	2.3	1.7	3.3	5.1
<i>Thalassiosira</i> sp.	16.8	9.4	13.6	10.3	12.4	9.7	9.1	9.0	15.4	13.2
<i>Thalassiothrix</i> sp.	1.3	0.6	-	0.5	1.4	1.2	-	-	1.1	1.7
Dinoflagellates										
<i>Ceratium</i> sp.	-	0.6	1.1	-	-	1.2	-	1.1	0.5	0.9
<i>Gonyaulax</i> sp.	0.7	1.1	0.5	-	0.7	0.6	-	-	0.5	0.4
<i>Prorocentrum</i> sp.	1.3	1.7	1.1	1.5	-	1.8	0.8	1.1	0.5	-
<i>Protoperidinium</i> sp.	0.7	-	1.1	0.5	1.4	1.2	-	1.1	0.5	-

Note: S=surface; B=bottom; St=station

Annexures III: Composition (%) of various zooplankton groups in the coastal waters at the APL-Mundra during December 2025 and February 2026.

Zooplankton Groups	Sampling period									
	December 2025					February 2026				
	St-1	St-2	St-3	St-4	St-5	St-1	St-2	St-3	St-4	St-5
Copepods	68.4	66.6	73.6	64.6	73.8	62.8	67.9	75.4	73.0	69.3
Copepod nauplii	18.1	18.8	14.5	22.1	16.9	23.3	17.3	13.5	17.4	18.0
Brachyuran crab larvae	4.1	6.1	3.5	5.1	3.5	4.1	5.5	3.3	3.8	5.7
Anomuran crab larvae	4.1	4.3	3.8	3.9	2.6	4.4	4.3	3.5	2.4	3.3
Decapod (shrimps)	0.4	0.3	0.5	0.6	0.3	0.3	0.5	0.4	0.2	0.4
Fish and shellfish eggs	2.1	1.9	1.5	2.0	1.3	2.1	2.6	1.3	1.4	1.7
Fish larvae	0.3	0.3	-	-	0.1	0.2	-	0.2	0.2	0.1
Gastropod larvae	0.8	0.6	0.5	0.4	0.3	0.8	0.5	0.4	0.2	0.3
Chaetognaths	0.4	0.3	0.5	0.4	0.4	0.3	0.3	0.6	0.5	0.3
Polychaete larvae	-	-	-	0.1	0.2	-	0.2	-	0.2	0.1
Siphonophora	0.4	0.3	0.5	-	0.3	0.6	0.3	0.4	0.2	0.3
Ostracods	0.3	-	0.3	0.4	-	0.3	0.2	0.4	0.2	0.3
Oikopleura	0.8	0.2	0.5	0.3	0.4	0.8	0.2	0.6	0.5	0.1
Amphipods	-	0.2	0.2	-	-	-	0.2	0.2	-	-

Annexures IV: Composition (%) of macrobenthos community in the subtidal region at APL-Mundra during December 2025 and February 2026.

Taxa	Sampling period									
	December 2025					February 2026				
	St-1	St-2	St-3	St-4	St-5	St-1	St-2	St-3	St-4	St-5
Phylum Annelida										
Paraonidae	14.3	12.5	18.2	8.6	8.7	15.0	9.5	11.1	7.1	4.5
Pilargidae	7.1	4.2	4.5	5.7	4.3	5.0	9.5	5.6	3.6	-
Capitillidae	10.7	4.2	-	5.7	4.3	5.0	4.8	-	3.6	4.5
Cossuridae	7.1	8.3	9.1	2.9	4.3	10.0	4.8	5.6	3.6	4.5
Glyceridae	-	4.2	4.5	8.6	8.7	-	4.8	5.6	7.1	9.1
Cirratullidae	7.1	-	9.1	5.7	4.3	5.0	-	11.1	7.1	9.1
Nephtyidae	3.6	4.2	4.5	-	8.7	5.0	4.8	5.6	3.6	9.1
Nereidae	7.1	4.2	4.5	11.4	8.7	10.0	9.5	11.1	10.7	9.1
Lumbriconeridae	7.1	12.5	4.5	8.6	-	5.0	4.8	5.6	7.1	4.5
Spionidae	7.1	12.5	9.1	14.3	4.3	5.0	9.5	5.6	10.7	-
Phylum Nemertea										
Nemertea	3.6	4.2	4.5	2.9	4.3	5.0	4.8	11.1	7.1	9.1
Phylum Mollusca										
Bivalvia	7.1	8.3	4.5	5.7	4.3	5.0	14.3	5.6	10.7	4.5
Gastropoda	3.6	8.3	13.6	5.7	17.4	10.0	9.5	11.1	7.1	13.6
Phylum Arthropoda										
Amphipoda	10.7	8.3	4.5	8.6	4.3	10.0	-	-	7.1	9.1
Isopoda	3.6	4.2	4.5	5.7	13.0	5.0	9.5	5.6	3.6	9.1

Annexures V: Composition (%) of intertidal macrobenthos along APL-Mundra during December 2025 and February 2026.

Faunal groups	Sampling period											
	December 2025						February 2026					
	IT-1 (HW)	IT-1 (LW)	IT-2 (HW)	IT-2 (LW)	IT-3 (HW)	IT-3 (LW)	IT-1 (HW)	IT-1 (LW)	IT-2 (HW)	IT-2 (LW)	IT-3 (HW)	IT-3 (LW)
Phylum Annelida												
Polychaetes	45.5	52.6	66.7	56.3	-	-	41.7	52.9	53.8	52.6	-	-
Phylum Nemertea												
Nemertea	-	5.3	-	6.3	-	-	8.3	11.8	7.7	10.5	-	-
Phylum Mollusca												
Bivalve	9.1	10.5	16.7	12.5	-	-	-	5.9	15.4	10.5	-	-
Gastropoda	9.1	10.5	-	6.3	-	-	8.3	11.8	-	5.3	-	-
Phylum Arthropoda												
Amphipoda	27.3	15.8	16.7	12.5	-	-	25.0	11.8	15.4	10.5	-	-
Isopoda	9.1	5.3	-	6.3	-	-	16.7	5.9	7.7	10.5	-	-

(Note: LW=low water during low tide; HW=high water during high tide; St=Station

Annexure – 6

adani

Ports and
Logistics

0/c
PCB ID: 35427

APSEZL/EnvCell/2025-26/097

Date: 08/01/2026

To
The Regional Officer,
Regional Office GPCB (Kutch-East)
Gandhidham, 370201.

Sub : Submission of compliance to observation/suggestion/instruction made by
GPCB officials during inspection.
Reference : GPCB Inspection dated 01.01.2026, PCB ID: 35427.

Respected Sir,

With reference to the above-mentioned subject, Adani Ports and Special Economic Zone Limited (APSEZ) is hereby submitting the compliance status/ response against observations/ remarks given during your official visit dated 1st January, 2026 as below:

Sr. No.	Point	Our Response / Compliance status
1.	Point No. 1	We would like to inform you that, till date, we have not received Show Cause Notice dated 29.11.2025 from your good office neither through hard copy nor through XGN portal. Request to provide copy of show cause notice dated 29.11.2025, so we can submit its compliance accordingly to your good office. As per the observations noted during your visit on 18.11.2025, we have addressed all points and submitted the compliance report to your office via email on 28.11.2025. Additionally, a hard copy was submitted to GPCB-HO on dated 06.12.2025. Acknowledgement copy attached as Annexure - A . Again, we are submitting the remedial measures adopted by us against your observations / inspection remarks as Annexure - B for your ready reference.
2.	Point No. 2	We confirm that we are fully complying with the Coal Handling Guidelines. A point-wise compliance report has been prepared and is attached as Annexure - C for your reference.

We hope that you will find this in order in line with your requirement for further consideration.

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


29/1/26
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

**ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE**

Sample ID:500225

GUJARAT POLLUTION CONTROL

BOARD

KUTCH WEST, KATIRA COMMERCIAL COMPLEX-1, FIRST
FLOOR, NEAR INCOME TAX OFFICE, MANGLAM CHAR
RASTA, SANSKAR NAGAR,, BHUJ - 370 001, (T) (02832) 250
620

Test Report No. : 9780

Date: 17/01/2026

- | | |
|---|---|
| 1. Name of the Customer | : Adani Ports & Special Economic Zone Ltd. (WFDP-West Port) |
| 2. Address: | : Navinal Island,, Mundra - GIDC: MPSEZ, Village: Mundra Tal: Mundra Dist: Kutch East Pin: 370421 |
| 3. Type of Sample | : REP |
| 4. Sample Collected By | : 402 - L.U.KATARIYA, SO |
| 5. Quantity of Sample Received | : 5 Ltrs. |
| 6. Code No. of the Sample | : 3154865 |
| 7. Date & Time of Collection & Inwarding | : 01/01/2026 15:45 to 01/01/2026 15:45 & 05/01/2026 |
| 8. Date of Start & Completion of Analysis | : 05/01/2026 & 17/01/2026 |
| 9. Sampling Point | : From final outlet of STP. |
| 10. Flow Details (Remarks) | : Yes |
| 11. Mode of Disposal | : On land for gardening/plantation within premises |
| 12. Ultimate Receiving Body | : Underground strata |
| 13. Temperature on Collection | : 30 & pH Range on pH Strip : 7 - 8 |
| 14. Carboys Nos | : Barcode |
| 15. Parameters | : 6 |

Sr	Parameter	Unit	Test Method	Result
1	1 - Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	30
2	2 - pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2017	5.85
3	11 - Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Methods 22nd edi.)2012	52.0
4	13 - Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standard Methods 22nd edi.)-2012	6.72
5	30 - Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8
6	55 - B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirmed 1999)-2009	28.0

Laboratory Remarks : approve By:325-Satish R Parmar, SSO Dt.: 17/01/2026

Satish R Parmar, SSO

Note :

- The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
- Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat jurisdiction only.
- Permissible Limits : as per Schedule VI of EPA Rules, 1986 as ammended by second and third amendment 1993 for Effluents.
- Physicochemical and microbiological parameters, Std. Methods for water and waste water-24th Edition by APHA.
- Bioassay test (toxicity) – IS:6582: part-2: 2001; Reaffirmed 2007.

Annexure – 7

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2023 – 24	2024 – 25	2025 – 26	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	21.38	20.46
4.	Hazardous / Non-Hazardous Waste Management & Disposal	130.11	122.46	150.67	156.13
5.	Environment Days Celebration and Advertisement / Business development	3.42	1.85	1.83	4.5
6.	Treatment and Disposal of Bio-Medical Waste	2.28	2.39	2.51	2.4
7.	Mangrove Plantation, Monitoring & Conservation	15	0	---	---
8.	Other Horticulture Expenses	904	570	570	831
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	216.44	227.69
10.	Expenditure of Environment Dept. (Apart from above head)	80.39	93.40	32.18	49.41
Total		1366.78	1029.51	1042.95	1108.1

Annexure – 8

Compliance Report of EMP & Mitigation Measures

Sr. No.	Suggested Measures	Compliance Status
 Construction Phase:		
1	Proper care is warranted while dredging which should be in a controlled manner. It should also be insured that reclamation, dredging, widening and slop stabilization measures do not significantly alter the stabilized erosional-accretional regime and prevailing rate of exchange of water between the outer area of the intricate creek system as well as the free flow of tidal water, to protect the mangroves.	All construction and operation activities as well as dredging and reclamation activities are being carried out as per the approvals. Please refer condition no. 8 & 9 of the CRZ recommendation compliance report for further details.
2	Good sanitation, water and fuel should be made available to the work force. Labour colonies should be set-up landward of the HTL and away from mangrove.	Most of the construction labours resides in the nearby villages where all basic facilities are easily available. However, for those residing near the construction site, infrastructure facilities such as water supply, fuel, sanitation, first aid, ambulance etc. are provided by APSEZ. Details were submitted along with HYCR for the period Apr'17 to Sep'17. Please refer to general condition no. ii of the EC & CRZ clearance for further details.
 Operation Phase:		
1	Wastewater such as generated during cleaning of jetties, floor washing, domestic use etc. should be collected in a settling pond and released to marine environment only after ascertaining that it is free from oil and SS. The toilets on the jetties must have compact sewage treatment facilities.	Entire quantity of sewage generated from APSEZ premises is being treated in designated ETP / STP and treated sewage is used for Horticulture purposes. Please refer specific condition no. xii of the EC & CRZ clearance or further details.
2	Dust should be routinely monitored at the vantage points and corrective measures such as water sprinkling should be practiced if it increases beyond permissible limits.	Ambient Air Quality (twice in a week) monitoring is being carried out by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Adequate safeguard measures are being taken for abatement of dust emissions.

Sr. No.	Suggested Measures	Compliance Status
		Please refer specific condition no. xi of the EC & CRZ clearance or further details.
3	It should be ensured that the effluent released into the Gulf meets the prescribed GPCB criteria at all times.	Entire quantity of effluent / sewage generated from APSEZ premises is being treated in designated ETP / STP and treated water is being utilized on land for Horticulture purposes after compliance with GPCB standards. Please refer to specific condition no. xii of the EC & CRZ clearance or further details.
4	Appropriate spill response scheme (Tier-1 to Tier-3) should be in place to minimize impacts on marine environment, should a spill occur.	Oil spill contingency plan is in place to handle Tier 1 level oil spills considering different accident scenarios, and the vulnerable areas are identified and mitigation plan is prepared. Oil spill contingency response plan updated in July 2025 is in place and implemented. The updated Oil spill contingency response plan was submitted along with HYCR for the period Apr'25 to Sep'25.
5	MPSEZL should commit mangrove restoration programme through afforestation in a defined time frame over larger and promising areas and should monitored periodically and protect from anthropogenic pressures.	APSEZ carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat. Please refer specific condition no. i & vii of the EC & CRZ clearance or further details.
6	A comprehensive marine quality monitoring programme with periodic investigations at predetermined locations should be undertaken by a specialized agency.	Marine monitoring is being carried out once a month by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Please refer specific condition no. ix of the EC & CRZ clearance or further details.
7	The dust and noise levels at pre-decided locations including the jetty sites should be periodically monitored and remedial action taken if the levels exceed the prescribed norms.	Ambient Air Quality (twice in a week) and Noise (once in a month) monitoring are being carried out by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Please refer specific condition no. xi of the EC & CRZ clearance or further details.
8	MPSEZL should establish an Environment Management Cell	APSEZL has a well-structured Environment Management Cell, staffed with qualified

Sr. No.	Suggested Measures	Compliance Status
	(EMC) directly under the control of the Chief Executive.	manpower for implementation of the Environment Management Plan at site, who are also looking for AMSIPL as a subsidiary entity of APSEZ. Site environment team direct report to site Chief Executive Officer (CEO) and the CEO directly reports to the top management. Updated Environment Management Cell Organogram is attached as Annexure - 13 .

Annexure – 9



HPCL Mittal Pipelines Limited
Mundra
Mock-up Drill - 29.12.2025

Spill Notification	
Particular of Reporting Person /department	Mr. Ashok Tiwary - Manager SPM O&M HMEL, Mundra
Contact details	+91 9099915625
Incident Details	
Operator/Organization/company Responsible for incident	MT Charlie Zulu
Date of Incident	29.12.2025
Time of incident	0945 Hrs
Location Area of incident	2 Cables from HMPL SPM Latitude : 22°41'745 N Longitude : 69°36'654 E
Oil release Notification	
Maximum Release (tonnes)	90 T
Minimum Release (tonnes)	50 T
Type of Oil	Arab Extra light crude oil
Tier of Response (1,2 or 3)	Tier -1
Appearance	Silvery Sheen with Rainbow Edge
Approx. Release area on sea surface	12-15 M ²
Source of Oil Spill	Starting floating Hose of HMEL SPM
Cause of Oil Spill	Leakage from 2 nd Tail Hose flange of outer string
Steps taken to prevent re-occurrence / respond to incident	Oil Spill response action initiated as per OSRCP
Weather condition	
Wind speed (knots) : 12 Knots	Wind Direction (0-360°) : 060° North
Beaufort Scale (1-12) : 3	Wave height (meters) : 0.2
Mode of Communication	Channel 11 Walkie- Talkie



Mock Drill - 29.12.2025

Oil Spill Reporting

POLREP		
Address:	Mundra, Gujarat	From: HMEL, Mundra
Date:	29.12.2025	To: ICGS Mundra
Identification:	Crude Oil Spill	Time Group: DTG - 291100/DEC
Sl No.	Parameters	Data
1	Date and Time	29.12.2025, 1100 IST
2	Position	LAT: 22°41'745 N LONG: 69°36'654 E
3	Incident	Crude Oil Spill
4	Outflow	50 T
5	Acknowledge	Yes
6	Characteristics of Pollution	Silvery Sheen with Rainbow Edge
7	Source and cause of Pollution	Leakage from 2 nd Tail Hose flange of outer string
8	Wind direction and speed	060° North / 12 knots
9	Current of tide	Ebbing (4.5 mtrs) 1.3 knot
10	Sea state and pollution	1
11	Drift of Pollution	SW'LY TILL 1330 HRS Drift Current : 2.9 Knot
12	Forecast	1500-2220 NE'LY
13	Identify of observer and ship on scene	MT Charlie Zulu
14	Action taken	OSRCP Initiated
15	Photographs or samples	Yes
16	Name of other agencies informed	ICG & APSEZ, Mundra
17	Spare	Yes
18	Acknowledge	Yes
19	Request for assistance	NO
20	Coast	Gulf of Kutch, West Coast



OSR MOCK UP DRILL REPORT - 29 DEC 2025

Introduction:

As a part of **JOINT INSPECTION OF TIER 1 POLLUTION RESPONSE CAPABILITIES OF OHA's** by OISD & ICG authorities, an offshore Mock-up Drill was conducted by HMEL Marine Team on **29th Dec 2025** 2 cables (approx. 350 mtrs) near HMEL SPM Mundra i.e., just the starting coupling joint of the floating hoses. Team members from HMEL Marine Team, VirajCSE OSR Team and Underwater Services participated in the mock drill. This Offshore Exercise was conducted between **1130 hrs to 1300 hrs** as part of offshore preparation towards Oil Spill Response activity and to ascertain the Operational excellency of OSR Combat Team.

Brief Summary:

HMPL and VirajCSE OSR team boarded on DSV Ocean Citrine and after boarding all the equipment were secured for the OSR activities. Operational status of OSR equipment were also cross- checked. As per the Command of On Scene Commander on behalf of the Manager Marine, The Air inflatable (Lamor) Boom was inflated by air blower and the boom was laid off through Lamor Power Pack.

To contain the spilled oil by deployment of 200 Mtrs boom, one end of the Boom was passed to the Support Boat MV KB-XXVII to achieve required **"J" configuration** on the Stbd side of the Diving Support Vessel. The skimmer was positioned towards Stbd side to recover the contained Spilled Oil by on board crane. Meanwhile Floating Tank (5T) was kept standby with required hose fittings and air inflation with the help of the blower to transfer the Recovered Oil by the skimmer. During drill, Work boat KB-XXVII & KB- XVII demonstrated with OSD spray system (which are fitted with Spraying Arms in these support boats) surrounding the Air Inflated boom as a part of primary fighting system. Observers and overseers from Adani Port authorities monitored all activities including the operational status of boom floatation.

After complete deployment and inspection by IC and Adani Port dignitaries, all clear was given by OSC at 1300 Hrs.

Scenario:

Crude Oil leakage from outer string 2nd Tail Hose flange of HMEL SPM.

Briefing / Approvals:

Mr. Ashok Tiwary as Incident Controller and Mr. Manoj Luintel as On-Scene Commander, headed the team. They briefed the team about the operation, plan of action and individual duties/ responsibilities of the team members before commencement of the drill and wished the team, all the best. The whole exercise was monitored by Incident Controller, Adani Port Authorities and HMPL Officials.

After approval of Incident Controller, On-Scene Commander briefed the team about the operation, plan of action and individual duties/ responsibilities of the team members before the commencement of the drill and wished the team “overall Success”.

Personnel participated/attended:

The following team members attended the Mock-up Drill from **HMPL, VirajCSE and Underwater Services Company**.

S.No.	OSR Team (Viraj)	S.No.	ECRT – HMEL
1	Mr. Manoj Luintel – On Scene Commander	1	Mr. N Karthikeyan – General Manager
2	Mr. Rajesh Sharma – DGM Viraj CSE	2	Mr. Ashok Tiwary (Manager SPM O&M) - IC
3	Mr. Bhudev Sharma - OSRT Leader	3	Mr. Abhilash Kumar - Marine Engineer
4	Mr. Subhas Chandra - DCR	4	Mr. Nomula Sisinder Reddy - Marine Dep.
5	Mr. Pawan Sharma - Sr. Responder	5	Mr. Chhabi Lal Dhruw- Marine Dept
6	Mr. Dushyant Kumar - Sr. Responder		Observers from Adani
7	Mr. Lokesh Saini - Responder	1	Mr. Ramdas Paule
8	Mr. Pankaj Kumar Yadav - Responder	2	Mr. Ayush
9	Mr. AKASH KUMAWAT - Responder		Supporting Team
10	MR. NAVEEN KUMAR - Responder	1.	Mr. AK Singh - Base Manager –USCL
11	Mr. Abhishek Sharma - Responder	2.	Mr. Gian Singh - Diving Supervisor USCL
12	Mr. Ansh Bhadauria - Responder		
13	Mr. Sandeep Kumar - Responder		

Equipment used:

The following OSR Equipment/Items were loaded onboard MT Ocean Citrine for Mock drill and deployed & used during the Mock-up drill.

Sno.	Equipment / Items Name	Qty	Remarks
1	Lamor Air Filled Boom with Reel with towing bridle – 01 Nos.	200 Mtrs	
2	Lamor Power Pack with Accessories	01 Set	
3	Lamor & Greaves Engine Driven Air Blower with accessories. (Air filling hose- 01, Air filling nozzle-01, Air unlock key-01 & Camlock coupling – 01)	01 Set. each	02 set
4	Eco Brush Skimmer with pump, power pack and accessories.	01 Set.	
5	Floating tanks 5 tons with accessories.	01 No.	
6	Foot pump	02 Nos.	
7	Ball valve (2")	02 Nos.	
8	Reducer coupling (2"x3")	02 Nos.	
9	Eco HDPE Hoses	03 Nos	
10	PP Rope 20mm (10 mtr)	4 Nos.	
11	PP Rope 20 mm (20 mtr)	01 No.	
12	PP Rope 20 mm (100 mtr)	01 No.	
13	PP Rope 12 mm (10 mtr)	02 Nos.	
14	PP Rope 8 mm (10 mtr)	02 Nos.	
15	Tool Box	01 No.	
16	Chafe Mat	01 No.	
17	Tarpaulins	02 Nos.	

Major Actions performed during Exercise:

1. Lamor Air inflated Boom (200 mtrs.) was deployed for containment of oil spill
2. Eco Skimmer with Power Pack was deployed for recovery of spilled oil
3. Floating Tank (5 T) was deployed for storage of recovered oil
4. Demonstration of OSD spray system by support boats
5. Operational preparedness of the team tested

On completion of the operation, the recovery of Skimmer and Boom started by deflation of Air Chambers. The OSR Equipment/items were cleaned with fresh water and stored onboard DSV Ocean Citrine and secured for Sea. Thus, the Mock-up Drill came to an end.

Diary of Events:

Sl No.	Time	Events
1	1030	Got information about spill (Leakage from Coupling Flanges on Tail Hose No. 2) On Scene Commander received information about spill. OSC informed the Incident Controller & Immediately informed Adani Port & Coast Guard, Forest Dept. and local Civil authorities via Control Room.
2	1115	Team boarded onboard DSV Ocean Citrine & started making necessary arrangements of onboard OSR equipment, simultaneously while approaching towards the spill location. Action Started post quick Table-Top exercise casting off onboard. Adani Port authorities boarded DSV Ocean Citrine for the OSR Drill as Overseers.
3	1130	OSC briefed about action plan to ISORT. Support Boat MV KB-XXVII will carry the towing rope with heaving line for 'J' formation. Support boat MV KB-XVII will be on standby with OSD Spraying Arms & Viraj Responders onboard. Lamor Boom Reel Power Pack Started. 02 Air Blower also started
4	1134	Payout of the Lamor Boom Started inflating simultaneously with both blowers
5	1139	Heaving line passed to support vessel MV XXVII, starts slowly pulling backwards. 50 mtr payout done with first joining bridle.
6	1151	2 nd joining Bridle paid out. Formation 'J' started by MV XXVII
7	1210	Skimmer lowered hanged on crane ready for the operation on Stbd side
8	1214	Boom Reel paid out 4 booms post 3 rd bridle joint and secured with rope on deck clench. Floating tank prepared with air inflation. 'J' configuration completed.
9	1218	Skimmer operation started. Floating Tank lowered and started recovery of the spilled oil for drill
10	1227	Floating tank recovered with air deflation and washed with freshwater spray
11	1229	OSD spraying arms operation completed onboard both MV XXVII & XVII
12	1230	Power pack started for Boom Retrieval. Boom Recovery started washing with freshwater spray onboard. Third Bridle joint onboard with air deflation of booms. Skimmer recovered onboard, washed with fresh water
13	1239	Second bridle joining shackle onboard, air deflated
14	1256	First bridle joining shackle onboard, air deflated
15	1300	Final joint edge with bridle and heaving line recovered onboard, air deflated and washed with fresh water tied up and secured with the boom reel.
16	1301	On completion of Drill, OSC informed to IC. Debriefing altogether by IC, provided valuable observations by IC and observers.
17	1305	Vote of thanks by IC & all dignitaries. Group photography
18	1311	Farewell for IC, Adani Port officers and external Observers from DSV Ocean Citrine
19	1315	On completion of Drill, IC informed to Coast Guard, Adani port control, Forest dept. and Local Civil authorities
20	1326	All OSR equipment / Items secured for Sea onboard DSV Ocean Citrine. All Crew of Viraj Clean Sea Enterprises along with HMPL Authorities return onboard MV XXVII /27 heading towards Adani Jetty and respective workstation in HMEL.

Drill Performance Monitoring:

Sl No.	Activities	Time Taken
1	Time taken to shift OSR equipment from SPM Store to load on DSV tugs	NA - First Response equipment always loaded onboard DSV Ocean Citrine
2	Time taken for deploying 200 meter boom and skimmer after reaching at site.	35 minute
3	Time taken for J formation and deployment of skimmer.	15 Minute

Observations/ Suggestion:

The following observations shared by the Inspection team Adani Port & during inspection:

- Safety Harness on the last person with boom at Quarter Deck. Additional Chaff Mats to be added for boom deployment on deck.
- The overall drill was good.

Conclusion:

OSR team received valuable suggestions from the Inspection team and HMPL Official towards improvement in operational efficiency during the drill. These suggestions will help the team in case of any emergency response and periodical exercises / Drills. Moreover, it will provide more confidence at the time of real Oil spill scenarios. With this positive note, the Off-shore Exercise was successfully completed.

On behalf of VirajCSE, the Project- in-Charge assured the visiting officials from HMPL, observations/ suggestions will be implemented by the team, who will strive to improve their execution skills. Mr. N Karthikeyan, GM HMEL & Mr. Ashok Tiwary, Manager Marine conveyed **VOTE OF THANKS** to all the observers and the participants for witnessing the event and for sharing their valuable observations/ suggestion.

Photographs : Mock-up Drill - 29.12.2025

Preparation of Boom for Deployment



Deployment of Air Inflated Boom:



Deployment of Air Inflated Boom:



Deployment of Skimmer:



Preparation and Deployment of Floating Tank



Group Photograph



Thanks!

Annexure – 10

Pollution Response Seminar, Mock Drill and Table-top Exercise-2026
At ICGS Jakhau on 10 March 2026

The APSEZL Mundra participated in pollution response seminar, mock drill and table-top exercise-2026 organized by ICGS Jakhau on 10 March 2026.

The equipment below was demonstrated at ICG Jetty Jakhau.

1. GP-10 Power pack-02
2. Skimmer Brush Dis-02
3. Star Tank-01
4. Vacuum Pump-01
5. OSD Backpack Spry-01
6. Gas Detector-02
7. Floating Tank-01
8. Mini Vacuum Tank-01

Employee Participated

1. Shashikant Padave
2. Dharamveer Yadav

Snaps





Annexure – 11

Expense Details for Fisherfolk Amenities work in different core areas													
Sr. No.	Details	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	TOTAL	AMT IN LACS
Expenditure Details (Amount in Rs.)													
1	Vidya Deep Yojana	2,069,300	193,000	2,087,000	1,771,000	110,225	580,103	969,660	-	-	-	7,780,288	77.80
2	Vidya Sahay Yojana	552,580	495,000	691,000	708,000	504,336	659,709	847,013	563,000	644,000	655,000	6,319,638	63.20
3	Adani Vidya Mandir – Shaping Lives	4,200,000	4,030,000	3,472,000	6,434,020	1,593,805	3,737,700	5,950,854	7,452,390	7,815,023	11,129,693	55,815,486	558.15
4	Senio Citizen Health Card	--	8,430,000	1,750,000	2,975,000	1,750,000	-	-	-	-	-	14,905,000	149.05
5	Financial Support to Poor Patients	4,439,507	1,275,000	813,000	1,296,063	763,800	1,255,000	1,691,410	1,620,000	1,666,000	1,473,665	16,293,445	162.93
6	Machhimar Kaushalya Vardhan Yojana	188,708	200,000	397,000	73,000	--	226,000	134,070	-	-	-	1,218,778	12.19
7	Machhimar Sadhan Sahay Yojana	--	--	315,000	522,000	--	-	-	-	-	-	837,000	8.37
8	Machhimar Awas Yojana	4,592,106	1,165,000	--	2,311,000	2,424,016	2,480,000	712,000	1,227,000	-	-	14,911,122	149.11
9	Machhimar Shudhh Jal Yojana	2,236,050	2,700,000	2,038,000	1,773,000	2,348,300	1,936,575	2,096,050	1,370,000	1,264,000	1,121,000	18,882,975	188.83
10	Sughad Yojana	1,367,300	170,000	--	192,000	30,000	-	-	-	-	-	1,759,300	17.59
11	Machhimar Akshay kiran Yojana	860,850	100,000	68,000	--	--	-	-	-	-	-	1,028,850	10.29
12	Machhimar Ajivika Uparjan Yojana-Mangroves plantation	1,558,800	500,000	1,382,000	1,400,000	1,900,272	2,069,432	1,914,432	-	270,000	418,000	11,412,936	114.13
13	Bandar Svachhata Yojana	106,400	50,000	--	--	367,000	145,000	25,000	-	-	-	693,400	6.93
14	Cricket league and Cycle Marathon	432,000	657,119	638,000	610,800	--	-	-	-	-	-	2,337,919	23.38
15	Sports Material For Children & Youth at Vasahats	197,797	--	--	--	--	-	-	-	-	-	197,797	1.98
16	New Pilot Initiative for Polyculture	398,240	160,000	--	--	--	-	-	-	-	-	558,240	5.58
17	New Pilot Initiative for Cage farming Asian Seabass & Lobster	864,000	660,000	--	--	--	-	-	-	-	-	1,524,000	15.24
18	Sea Weed Culture Project	--	--	--	200,000	--	-	-	-	-	-	200,000	2.00
19	Mangrove Biodiversity Project	--	--	1,890,000	684,000	499,210	997,642	1,135,000	-	191,000	-	5,396,852	53.97
20	Approach Road restoration at 9 vasahat	--	--	--	--	599,000	942,780	1,011,000	-	-	519,000	3,071,780	30.72
21	Community trening Centor & Maintenance work						6,022,000	2,051,000	-	-	-	8,073,000	80.73
22	Water Tank Repairing work & Vasahat Maintenance work										291,000	291,000	2.91
TOTAL		24,063,638	20,785,119	15,541,000	20,949,883	12,889,964	21,051,941	18,537,489	12,232,390	11,850,023	15,607,358	173,508,806	1,735.09

Annexure – 12

Compliance Report of CIA Study Environment Management Plan

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
1	Land Use Change						
1.1	It is predicted that the built up land in the rural areas would increase by an order 50% from the baseline 2015. New settlements near the SEZ area might create slums. Unorganized urban development leading to poor sanitation and proliferation	Level - 1	APSEZ has developed two townships (Shantivan and Samudra) presently accommodating 1668 households. Necessary permissions from concerned authorities were already obtained for the development of townships and Associated infrastructure facilities.	The existing townships will be expanded to accommodate about 4 lakh people when the APSEZ is fully developed.	APSEZ	As and when Required	Mundra SEZ has been developed with sustainable urban planning as a self-sufficient industrial and urban ecosystem, integrating business, residential, educational, and recreational infrastructure across a vast area. APSEZ has developed three townships (Shantivan, Samudra and SVCT) accommodating 4167 households and associated infrastructure facilities. Accommodation is made available for all interested employees working within Adani group & SEZ industries. Out of which 76.19 % Occupancies are accommodated within the townships and rest are available for employees working within APSEZ. At present 81 nos. of industries (processing & non-processing) are present within the SEZ (61 nos. are in operation). Township facilities are also made by some of SEZ industries within Mundra town for their employees with basic infrastructure facilities and requirements. Most of the employees working in SEZ industries are

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
	of vectors and disease.						residing in Mundra town having all basic requirements and associated facilities. Therefore, there is sufficient accommodation for employees/workers and as such slums are not created due to the project. The existing social infrastructure facilities are adequate for present development at APSEZ. The existing townships with associated facilities will be expanded as per requirement. APSEZ has also been granted permission for receiving domestic sewage @ 2.5 MLD from Mundra village (which was earlier discharged into open area within Mundra region) into wastewater treatment plant for treatment and disposal. APSEZ has already started receiving domestic sewage from Mundra, which abates the poor sanitation and unhygienic condition within Mundra region. Total project cost for laying domestic sewage underground pipeline with other associated facilities from Mundra to APSEZ is INR 362 Lacs.
1.2	Once the project is fully developed, due to increase in built up land in the	Level-1	The study area experiences scanty rainfall less than 400 mm/year. Considering	Technical feasibility study can be carried out to explore the possibility of developing storm water collection ponds to utilize	APSEZ	Technical Study - one time, Implementation - Continual process	Presently, about 53% of the Mundra SEZ land has been developed, while 47% to be developed out of which 12% is under development. At present all existing coal yards are designed with drain, for collection of water during water sprinkling and rainfall, which is carried away to dump pond. Supernatant water from dump pond is being collected and used for dust suppression activities or after

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
	APSEZ area, there will be an increase in the storm water runoff from the facility.		the natural gradient, ASPEZ have designed and implemented storm water drains in the existing facility to meet the peak daily rainfall of 440 mm/hr. Hence flooding of water in the neighboring areas is not envisaged.	maximum possible storm water runoff for dust suppression in the coal yard areas during non-rainy days.			sedimentation, discharged to sea. Details of drain and dump pond has been submitted along with EC compliance report (Oct 19 to March 20). Analysis of said water discharging into sea during monsoon season is being carried out (twice in a year during monsoon) through NABL / MoEF&CC accredited laboratory. The analysis report of the same shows there is no any contamination. The report of the same –was submitted along with HYCR for the period Apr'25 to Sep'25. During FY 2025-26 total recorded rain fall was 734.3 mm observed, which was much less than the design capacity of existing storm water drainage system. So the existing storm water management facility is adequate to handle the storm water runoff from the area. Hence flooding of water in the neighboring areas is not envisaged.
			As per the directions given in the environmental clearance issued for the proposed Multi-	The channel depth in all the natural streams shall be maintained to accommodate peak flood flow during the	APSEZ, District Administration* and Irrigation department	As and When Required	Presently there is no Desalination plant, sea water intake and outfall facility developed as part of EC & CRZ clearance of Multiproduct SEZ. The project will be designed and implemented as per requirement without disturbing the natural flow of rainwater in all the seasonal streams.

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
			Product SEZ and CRZ clearance for Desalination, sea water intake, outfall facility and pipeline project, the master plan of the project was designed and being implemented without disturbing the natural flow of rainwater in all the seasonal streams.	monsoon and periodical desilting activities in the natural streams passing through the APSEZ area			
1.3	Due to conservation and protection of	Positive Impact with ecological	In addition to conservation of the identified 1254 ha	APSEZ will continue mangrove afforestation as per the	APSEZ	Short Term	APSEZ has carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat till Mar'26. Total expenditure for the same till Mar'26 is INR 1592.8 lakh. No further mangrove afforestation is pending with

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
	mangroves in the designated conservation area, it has been predicted that the current mangrove footprint area would marginally increase in next 15 years due to natural growth. This will enhance the overall biodiversity in the local coastal ecosystem.	benefits	mangrove areas around Mundra port and SEZ, APSEZ has taken up large scale mangrove afforestation activities in an area of more than 2800 ha at various locations across the coast of Gujarat state in consultation with various organizations	commitment made with concerned regulatory authority			respect to commitment made with concerned regulatory authority for APSEZ, Mundra project. 1. NCSCM (MoEF&CC approved Government Agency) had carried out a study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ. As a part of mangrove conservation plan, APSEZ has done following activities. a. To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently APSEZ has entrusted NCSCM, Chennai to carry out the Monitoring of mangrove distribution in creeks in and around APSEZ with cost of INR 45.87 Lakhs from year 2021 to 2023. b. Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using

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							WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase from February 2021 to September 2023. - Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25. c. Tidal observation in creeks in and around APSEZ – The cost incurred by APSEZ for the said activity was INR 1.0 Lakhs incurred by APSEZ. d. Algal & Prosopis removal from Mangrove area - The cost of the said activity is INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1. e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. INR 431.52 Lakhs during FY 2025-26 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.

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							As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities. <table><tr><th>Sr. No.</th><th>Recommendations</th><th>Compliance</th></tr><tr><td>1.</td><td>Mangrove mapping and monitoring in and around APSEZ</td><td> - APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as </td></tr></table>	Sr. No.	Recommendations	Compliance	1.	Mangrove mapping and monitoring in and around APSEZ	- APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. - Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images in comparison with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is given below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as
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							2.	Tidal observation in creeks in and around APSEZ	- APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM. - The observed tidal ranges indicate that the creeks experience normal tidal

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									ranges, adequate for the growth of mangroves. The cost of the said activity was INR 1.0 Lacs.
							3.	Removal of Algal and Prosopis growth from mangrove areas	- Algal and Prosopis growth monitoring was done in and around mangrove area and algal encrustation was found in some of the mangrove areas, which has been removed manually. - The cost of the said activity is INR 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure - 1.
							4.	Awareness of mangroves importance in surrounding communities	- Adani Foundation – CSR Arm of Adani group has done awareness camps/activities created in the community regarding importance of mangroves. Adani Foundation provides Good Quality dry and green fodder to 33 Villages. Dry Fodder 16,38,505 Kg Green Fodder – 62,05,521 Kg during Apr'25 to Mar'26. - Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure

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									for fodder supporting activities was approx. INR 431.52 Lakhs during FY 2025-26, which was incurred by APSEZ. • Grass Land development: 213 acres of gauchar land has been cleaned and allocated for Grass land development with strong Community Contribution and Mobilization. • Other than this dedicated security guard with gate system deployed by APSEZ across the coastal area and no any unauthorized persons allowed within coastal as well as mangrove areas. • APSEZ has celebrated the International Day for the Conservation of the Mangrove Ecosystem with coordination of Adani Foundation from 24th to 26th July 2024 to raise awareness of the importance of mangrove ecosystems as "a unique, special and vulnerable ecosystem". The report for the same was submitted

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									during HYCR submission for the period Apr'24 to Sep'24. Refer CSR report attached as Annexure – 2.
1.4	Development activities along the coast might cause certain changes in hydro-dynamic characteristics along the shoreline. Shoreline of any area also can be influenced by storm surges and other natural processes.		Detailed hydro-dynamic modelling and shoreline change prediction for a fully developed APSEZ facility has been studied. The study reveals that the erosion and accretion in the study area at the end of 15th year will be within the designated	It is recommended to map the coastal morphology (Shoreline) at least once in three years	APSEZ	Continual Process	Shore line change aspect has been studied in detail as part of following two studies; - Bathymetry & Topography study, preparation of plan for protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary. - A Regional Impact Assessment study to identify impacts of all the existing as well as proposed project activities in Mundra region. As per the outcome of these studies, no erosion is observed on the coast of the project area. As part of the Regional Impact Assessment study, the possible changes in shoreline that may occur due to the proposed developments in 10 km area on either side of the waterfront development project have been predicted. It has been inferred from the modelling study that the shift in the shoreline will be less than 0.5 m/year, which reconfirms that the APSEZ facility would pose insignificant impact on the Mundra shoreline. Accretion is observed at South port and at West port due to approved reclamation activities.		

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			criteria of ± 0.5 m/year. which reconfirms that the waterfront development activities of APSEZ would pose insignificant impact on the Mundra shoreline.				Based on the outcome of the study, it is recommended to map the coastal morphology (shoreline change) at least once in three years. Recently, APSEZ has awarded work to M/s. DHI India Water Environment Pvt Ltd, New Delhi for carrying out Shoreline Change Assessment Study for Mundra region. The cost of said study is INR 14.55 Lakhs. The study is presently under progress. The last shoreline change study was carried out by M/s. Gujarat Institute of Desert Ecology, Bhuj in 2022 as a part of the Environmental Management Plan (EMP) compliance with the CIA study. The cost of said study was INR 17.39 Lacs. In the last study, the rate of shoreline changes statistics on a time series of multiple shoreline positions of a total of 43 km coastline stretches on either side of APSEZ (16 km on the west side and 27 km on the east side of main port) has been taken into account for the calculation by using satellite images. As a part of the NGT direction, the shoreline change analysis has been carried out for the years 2015-2022 to study the immediate changes after the commissioning of the port and initiation of the activities (September 2015) for short-term variation for the years 2015-2022 using EPR method has been carried out.

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							The details of the rate of shoreline changes (Short interval time) recorded from 2015 to 2022 are summarized in below table. <table><tr><th rowspan="2">Period</th><th rowspan="2">Name of the block</th><th rowspan="2">Average Shoreline Change(M/Y ear)</th><th colspan="2">Shoreline Change(M)</th></tr><tr><th>Maximum Accretion</th><th>Maximum Erosion</th></tr><tr><td rowspan="2">2015-2022</td><td>West Port</td><td>-11.43</td><td>39.86</td><td>-78.68</td></tr><tr><td>Eastern side</td><td>-26.60</td><td>191.32</td><td>-165.19</td></tr></table> The Shoreline Change Assessment Study report of GUIDE was submitted along with HYCR submission for the period Oct'22 to Mar'23. Shoreline change study was carried out by M/s. Chola MS, Chennai (NABET accredited consultant) also as a part of Waterfront Development Project – Expansion EIA study. The summary of the said study are as below. To estimate the shoreline change due to the earlier approved waterfront development plan, a historical shoreline change assessment has been undertaken using the satellite imagery for a period of 2008 to 2018. In order to avoid any major errors in estimating the shoreline, the satellite data for similar tidal	Period	Name of the block	Average Shoreline Change(M/Y ear)	Shoreline Change(M)		Maximum Accretion	Maximum Erosion	2015-2022	West Port	-11.43	39.86	-78.68	Eastern side	-26.60	191.32	-165.19
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							condition was considered for 2008, 2013 and 2018. AMBUR Methodology was used to study the historical analysis. 10 km radius stretch of shoreline on either side of the APSEZ project boundary has been considered for assessing the historical shoreline change scenario. The baseline shoreline change assessment depicts the influence of both natural causes and also possible changes in the shore due to various development activities in the study area during the designated period. For the purpose of this study, shoreline on left side of APSEZ is termed as West Side Shoreline and that of the right side as East Side Shoreline for ease of recognition. The maximum accretion and erosion rate of the west side shoreline over a period of 10 years during the years 2008 – 2018 are observed to be 4.78 m/yr and 1.93 m/yr respectively. The maximum accretion and erosion rate of the east side shoreline over a period of 10 years during the year 2008 – 2018 are observed to be 05 m/yr and 0.82 m/yr respectively.
2	Regional Traffic Management Plan						
2.1	The projected traffic data as per the	Level-1	As per the master plan of APSEZ, eight artillery	Additional road as per master plan will be built in future based	APSEZ	As and When Required	Existing road/rail/conveyer infrastructure facilities are adequate to evacuate the existing cargo. Further, APSEZ's cargo evacuation through rail / conveyer /

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	EIA Report of Multi-Product Special Economic Zone, the peak vehicular traffic from the port and SEZ operations (including supporting facilities and colony) could be in the order of 18,300 and 10,400 vehicles per day respectively. There could be a		roads will be connected to either state highway or national highway for evacuating the goods from APSEZ. None of these roads are passing through settlements, thereby avoiding traffic Congestions in the respective villages. The carrying capacity of the eight artillery roads connecting APSEZ is	on the overall progress of the project. Currently about 25% of cargo from APSEZ is transported by Rail and the same will be enhanced to 40% when the facility is fully developed in future. This will further reduce the traffic volumes on the regional road network.			pipeline has ~ 41.45%. Additional Road facilities will be built as per master plan considering future development. At present, there is no traffic congestion seen on village-highway intersections. The facilities for transportation of cargo other than road will be enhanced considering future development, which will reduce the traffic volumes on the regional road Network. As part of the traffic assessment, expansion of 8 nos. of roads and laying 9 nos. of internal road connectivity to handle the traffic due to proposed development based on future requirement with obtaining requisite permission from concerned authorities. For the traffic management, the government and APSEZ have already collaborated on an investment of approx. INR 321 crores. A bridge is being constructed from Pragpar to our T-junction, and the entire road is being expanded to six lanes. The traffic coming from Gandhidham is being redirected. North corridor road connectivity from North gate parking to Luni State Highway is in progress. Work execution is in three part. One is North gate parking to existing North corridor road length is 350 mtr and 7.00 mtr wide bitumen road, second is Airport to LC 22 connecting road length is

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	possible increase in traffic congestions on village-highway intersections and road accidents.		estimated to be about 16,000 PCU/hr as against the envisaged peak traffic volume of 4,500 PCU/hr. Out of eight artillery roads considered in APSEZ master plan, seven roads were already developed and functional.				1500 rmt and 7.00 mtr wide bitumen road. Third part is Concor yard to Luni State Highway connectivity road length is 920 mtr and 7.00 mtr wide bitumen road. All roads are two lane and cost is INR 19.00 Cr.
			APSEZ has been imparting Driver Training Programs to	APSEZ can undertake technical feasibility of implementing Intelligent	APSEZ & GSRDC*	Long Term	APSEZ is being imparting the regular in-house training awareness program in different mode i.e., classroom, on-job training, virtual platform & Assessment by internal & external trainer to all drivers and employees on below topics: ✓ Basic induction Training for drivers

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			all their contractors to enhance awareness on road safety.	Transport System (ITS) for the freight carriers associated with their development activities.			✓ ITV Driver Training ✓ ITV Driver Induction for Supervisor ✓ Defensive Driving for LMV & HMTV ✓ Defensive Driving & BBS ✓ Driver Assessment ✓ Road accident & rescue ✓ Traffic Management & Road Signage ✓ Driving safety training ✓ RORO Driver training ✓ Road Safety ✓ Defensive Driving & Emergency Action Plan ✓ Drivers Responsibilities & Safe driving ✓ Emergency Rescue (Vehicle) Training Approx. 3177 Participants (On roll and contractual manpower) were benefitted from above trainings in compliance period Oct'25 to Mar'26. The same will be continued in future also. APSEZ has also implemented the Remote traffic management system (RTMS) to manage the traffic movements and capturing the violations to further improve the system. Following steps were taken by APSEZ to reduce the accidents. ✓ Handling and escorting of the ODC to ensure the smooth movement on the roads.

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							✓ Traffic Awareness programs for the drivers and regular briefing of the drivers in the parking areas. ✓ Incident handling and root cause analysis for taking necessary action in order to avoid such incidents. ✓ BAC checks for the drivers in order to identify the intoxicated drivers and necessary action is being taken against them. ✓ Water spray drive at gates are being conducted on regular basis during night hours to avoid dozing by the driver while driving. ✓ RTMS devices are being installed at 08 critical locations in order to capture speed violations and enforcing road safety regulations. ✓ Display of traffic signages and lane markings on road in coordination with the Civil team for ensuring road safety rules are being followed by the road users. ✓ APSEZ have approx. 100+ cameras which are being utilized for monitoring of traffic movement through CCTV and timely response in order to avoid any congestion and during traffic incidents. ✓ Regular traffic checks by Traffic Marshalls in order to ensure road safety rules (Wearing seat belt/Wearing helmet/Carrying driving license/Speed checks/Documents) is being followed by the drivers. ✓ Installation of Road furniture's (Cones/Water filled barriers/Cats eye/Spring Posts/Jersey Barriers) for lane segregation, Channelizing the traffic, at

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							Junctions and indicating Caution for the road users. ✓ In case on any Vehicle found breakdown in main roads, we arrange the security crane / lifting machines to remove /relocated the vehicle. Which help for smooth passage to other vehicles. ✓ Ensuring Drivers must wear near necessary PPEs, for that we have arranged a PPE's Stall at APMS parking area (issued on chargeable basis). ✓ Night Patrolling and PA announcement by Traffic DSO to manage traffic condition. ✓ Safety briefing via PA system at Security Gate.
3	Water resources Management and sewage treatment & disposal Plan						
3.1	For a fully developed APSEZ facility, water demand will be in the order of 4,30,000 m ³ /day (430 MLD). APSEZ will be sourcing majority of the water from the	No-Impact	APSEZ is meeting the current water demand through Narmada water supply scheme and 47 MLD captive desalination plant at site. Necessary water allocation	As per the master plan and permissions granted under EC, APSEZ will be developing progressively 4,50,000 m ³ /day (450 MLD) of desalination plants to meet the future demand. Hence stress on regional water resources due to	APSEZ	As and When Required	Presently there are two fresh water sources available with APSEZ. Desalination Plant – 80 MLD Gujarat Water Infrastructure Limited (GWIL) – 2.5 MLD (sanctioned capacity). Current water demand for APSEZ along with SEZ industries including Adani Power Plant is an avg. of 44.69 MLD. So presently, these sources are adequate to fulfill the current freshwater requirement of entire APSEZ including member units. The desalination plant of additional capacities will be

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	captive desalination plants, which will be developed in progressive manner.		from concerned authorities was obtained and the same will be renewed from time to time as per the directions of state government.	these developmental projects will be less significant.			installed on modular basis considering future requirements of APSEZ.
3.2	Existing water demand in the Mundra taluk is estimated as 8500 m ³ /day (@55 lpcd) and the potable and sanitation water needs would increase to	Level-2	Adani Foundation has been contributing to various watershed development projects in the Mundra region to enhance ground water resources in the area.	Adani Foundation is planning to implement the various water resource conservation programs in next ten years under various schemes.	APSEZ and CGWB*	Long Term	Water needs of APSEZ are being met through existing Desalination Plant of APSEZ and GWIL which may be further enhanced on modular basis. At present Ground water is not utilized for any activities within APSEZ. However various works are being carried out by Adani Foundation continuously under Water Conservation Work to achieve water security in Mundra region by Adani Foundation. Following works are carried out as a part of water conservation work since April – 2018. 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.

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	37,000 m ³ /day (@125 lpcd) in future when the area is fully grown into larger municipality due to induced economic growth. Water demand of the local communities is met through Narmada water supply system to some extent, but largely depending on the		Adani Foundation has contributed about Rs. 300 Lakhs so far for the development of 18 check dams.				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. Since, 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. <u>WORK COMPLETED:</u> Water Conservation Work Done during Compliance Period Oct'25 to Mar'26: - Renovation of Mamal Sagar created 22,500+ cubic meters of water storage. Benefiting 50+ farms and improving groundwater levels to strengthen local water security. - The Adani Foundation provided timely financial support that enabled the farmer to install a drip irrigation system on two acres—his first experience with modern irrigation. This reduced the risks of rain-fed farming, lowered costs, and ensured efficient water use even during dry periods.

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	ground water in the study area. Mundra block is reported to be a safe ground block as on date. Due to influx of people and rapid urbanization due to the economic development, there could be some stress on the ground water resources in future.						- Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. Water Conservation Projects completed earlier: ❖ Check Dam New/Renovation: - Structures: 30 - Water Capacity Increase: 1,072,332 CUM - Beneficiaries: 30,870 - Impact: Enhances water storage and irrigation. ❖ Rainwater Harvesting Structures (RRWHS): - Structures: 355 - Water Capacity Increase: 3,300,000 CUM - Beneficiaries: 1760 - Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ❖ Pond Deepening: - Structures: 145 - Water Capacity Increase: 1,028,403 CUM - Beneficiaries: 18,350 - Impact: Improves water retention and availability. ❖ Construction of Percolation Wells: - Structures: 26 - Ground Water Recharge: Significant

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							○ 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

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							farming by providing financial support to farmers for installing drip systems. It helps conserve water, improve crop yield, and encourage sustainable agriculture in Kutch. ❖ Developed 17 nos. of Adani Van Sites with planted 1.22 lac trees in 16 nearby villages. With the objective of preserving 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. Adani foundation has spent approx. INR 11038.56 lakhs from April – 2018 to March - 2026 for CSR activities which also includes water conservation projects as mentioned above.
3.3	It is estimated that about 60,000 m ³ /day (60 MLD) of sewage will be generated from the APSEZ facility when the	No Impact	Seven sewage treatment plants with an aggregate capacity of 3.1 MLD have already built at APSEZ. Treated sewage is utilized for greenbelt	APSEZ is permitted to develop decentralized sewage treatment plants of total 62 MLD capacities. Existing sewage treatment facilities will be augmented progressively	APSEZ	As and When Required	At present installed capacity of wastewater treatment plants is 6.255 MLD (ETP, STPs & CETP) for treatment of effluent & sewage generated at various locations of APSEZ excluding wastewater treatment plants installed within individual member units. Out of 61 only 3 operational industries within the SEZ are sending their partially treated industrial as well as domestic effluent to CETP confirming to CETP inlet norms for further treatment and final disposal. Other SEZ industries have their own STPs / ETPs for treatment of wastewater generated from their industrial operation and discharging the treated water

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	project is fully developed.		development and sewage is not discharged into either seasonal natural streams or marine environment.	based on the development at APSEZ in future. Similar to existing practices, treated sewage will be utilized for greenbelt development.			on land for horticulture purpose within their premises as per specific permission granted by SPCB. APSEZ also granted permission to treat 2.5 MLD of sewage generated from Mundra village through CETP and STP. Presently avg. 2.19 MLD of wastewater (into ETP, STPs & CETP) is treated and being utilized on land for horticulture purpose within APSEZ premises during Oct'25 to Mar'26. Existing wastewater treatment plants are adequate to treat and handle the total effluent / sewage load considering current development. Existing wastewater treatment facilities will be augmented, or new plants will be developed on modular basis considering future requirement.
4	Air quality management Plan						
4.1	Although all the regulated activities in the study area will be adopting promulgated emission	Level-2	APSEZ and other thermal power plants have obtained valid consent to operate and have	All existing and new industrial establishments will obtain requisite consents from GPCB and adhere to the stipulated emission norms	APSEZ And Other Industries	Continual Process	APSEZ has been granted requisite permissions from the concerned authorities with stipulated norms for air emission (flue gas as well as ambient air). Ambient Air Quality monitoring is being carried out by NABL accredited and MoEF&CC authorized agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi for APL as per NAAQ standards, 2009. Stack emission monitoring is also being carried out on

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude ^{e1}	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance																														
	norms, total air emission mass discharge from the study area would increase.		been operating the facilities as per the emission norms stipulated in respective consent orders. APSEZ and other two power plants are monitoring the ambient air quality on regular intervals as per GPCB/CPCB guidelines and the data is analyzed and presented to GPCB on monthly	regulations and guidelines issued by authorities from time to time.			regular basis. Reports of the same are being submitted to the concerned authorities on regular basis. Adani power plant has installed continuous emission and air quality monitoring instruments as per CPCB Directive and submitting the reports also. Another power plant of CGPL is outside APSEZ area. The AAQM summary for last six months (Oct'25 to Mar'26) are as below. Locations: 21 Nos. (APSEZ – 18 + APL – 3 including 3 villages) Frequency: Twice a week <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit⁵</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>41.93</td><td>85</td><td>63.72</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>10.27</td><td>39.87</td><td>23.61</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>7.65</td><td>37.11</td><td>20.68</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>8.14</td><td>42.52</td><td>24.87</td><td>80</td></tr></table> ⁵ as per NAAQ standards, 2009 Values recorded confirms to the stipulated standards. Approx. INR 21.38 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26, which also includes ambient air quality monitoring for overall APSEZ, Mundra.	Parameter	Unit	Min	Max	Average	Perm. Limit ⁵	PM ₁₀	µg/m ³	41.93	85	63.72	100	PM _{2.5}	µg/m ³	10.27	39.87	23.61	60	SO ₂	µg/m ³	7.65	37.11	20.68	80	NO ₂	µg/m ³	8.14	42.52	24.87	80
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			basis. Both the thermal power plants located within the study area have installed continuous emission and air quality monitoring instruments as per CPCB directive.				Other industries located within the SEZ have obtained requisite permissions from the competent authorities for their respective plant and they also carried out environmental monitoring within their premises to comply with the permission granted. The same has been ensured by APSEZ as well as SPCB during their regular visits. APSEZ carries out regular visits/inspections of member industries within SEZ and last visit was conducted during February & March, 2026 for EMS & compliance verification. During compliance verification, it was verified that monitoring of air emission was well within the permissible standards based on analysis reports. Same will be continued in future also. The monitoring reports of industries within SEZ are also being submitted to the regulatory authorities as a part of half yearly Compliance report of EC for Multi-Product SEZ.
				A common air quality management committee may be framed under the guidance of the State Pollution Control	APSEZ and Other Industries, Stakeholders, District Administration and GPCB*	Long Term And Continual	APSEZ will co-operate and comply with the directions from concerned regulatory authorities for air quality management within APSEZ area. However, at present, APSEZ has formed Internal Environment Monitoring Committee, involving officials from APSEZ, Adani Power Limited and other SEZ member units with following role and responsibilities:

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
				Board and district administration to manage regional level emission inventory data that can help to manage regional level air quality management goals.			• Identification of sources of air & noise emission and its dispersion in surrounding villages • Remedial measures to eliminate, control, reduce or capture air & noise emission. • Identify available resource to abate the air and noise emission. • Required additional resources for control of air and noise emission. • Drinking water and its testing of all the available freshwater sources in surrounding villages • Identify any surrounding villages affected by organization's improper waste disposal mechanism. Last committee meeting was conducted on 15.04.2026 and below was the point of discussion for way forward. • Brief introduction about the Environment Management Plan (EMP) • All members conveyed their environment management practices, issue & suggestions. • Discussed about the various ways to improve existing practice to control the emission in terms of Air, Water and Noise. • Discussed about the proper management of the canteen waste. • Discussed about the cleaning of outside of the SEZ units.

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
							- Discussed about the management of rainwater & proper cleaning of the common storm water drainage system. - Discussed about proper segregation & disposal of solid waste material. - Discussed about increasing green belt area inside plant premises of SEZ units. APSEZ and all the industries within SEZ are complying to NAAQS and same is being ensured by APSEZ. The monitoring reports of industries within SEZ are being submitted to the regulatory authorities as part of half yearly Compliance report of EC for Multi-Product SEZ.
4.2	Release of particulate emissions from handling and storage of coal at the port and power plants would influence PM10 and PM2.5 concentration in the	Health Impact	APSEZ has been implementing the following management plan to control emissions as per the applicable regulations and similar practices will be adopted in future:	All industries located in the APSEZ shall adhere to the emissions norms and minimum stack height guidelines issued by CPCB and consent to operate issued by Gujarat Pollution Control Board from time to time.	APSEZ and Other Industries	Continual Process	Following safeguard measures are taken by APSEZ for abatement of dust emissions. - Adequate stack heights to the Boilers, D.G. Sets, TFHs & HWGs for proper dispersion of pollutants within APSEZ - Using liquid & Gaseous fuels instead of solid fuels in Boilers, Thermic fluid heaters and hot water generators. - Regular sprinkling on road and other open areas - Regular cleaning of roads - Dry fog Dust Suppression System (DSS) in hopper, transfer towers and conveyor belts - Use of water mist canon - Closed type conveyor belts

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	background air. This could pose some health impacts such as asthma and COPD etc. among the local communities.		Entire bulk material handling facilities are mechanized. Regular water sprinkling on road and other open areas, regular cleaning of roads, dry fog dust suppression systems (DSS) in hoppers, transfer towers and conveyor belts, use of water mist canon, covered conveyor belts,				- Regular sprinkling on coal heaps - Covering other types of dry bulk cargo heaps - Installation of wind breaking wall - Development of greenbelt along the periphery of the storage yards/back up area - Mechanized handling system for coal and other dry bulk cargo - Wagon loading and truck loading through closed silo - Optimized the weigh bridge location to reduce the movement of trucks. Adequate air pollution control measures like ESPs, FGDs, Bag Filters, etc. and adequate stack heights provisions are implemented within the thermal power plant. For reduction of emission from DG stacks, Retrofitting Emission Control Device (RECD) has been installed on 06 nos. of DG sets to reduce the particulate material from DG stacks. Photographs of RECD attached were submitted along with HYCR for the period Oct'24 to Mar'25. The stack monitoring summary for last six months (Oct'25 to Mar'26) are as below. Total Nos. of Stacks: 23 Nos.

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude1	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance																								
			regular sprinkling on coal heaps,				Frequency: Monthly / Half Yearly <table><tr><th>Parameter</th><th>Unit</th><th>GPCB Limit</th><th>Min</th><th>Max</th><th>Avrg.</th></tr><tr><td>PM</td><td>mg/ Nm³</td><td>150</td><td>17.47</td><td>32.46</td><td>22.19</td></tr><tr><td>SO₂</td><td>Ppm</td><td>100</td><td>6.48</td><td>16.84</td><td>9.39</td></tr><tr><td>NO_x</td><td>ppm</td><td>50</td><td>18.75</td><td>34.24</td><td>23.71</td></tr></table> Values recorded confirms to the stipulated standards. Approx. INR 21.38 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26, which also includes ambient air quality monitoring for overall APSEZ, Mundra. All other industries located within SEZ are adhere to provide adequate stack height and pollution control measures for proper dispersion of pollutants as per respective permissions granted by the board. The same is being inspected and ensured by APSEZ as well as SPCB officials on regular basis.	Parameter	Unit	GPCB Limit	Min	Max	Avrg.	PM	mg/ Nm ³	150	17.47	32.46	22.19	SO ₂	Ppm	100	6.48	16.84	9.39	NO _x	ppm	50	18.75	34.24	23.71
Parameter		Unit	GPCB Limit	Min	Max	Avrg.																									
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NO _x	ppm	50	18.75	34.24	23.71																										
			covering of other types of dry bulk cargo heaps by protective materials, installation of wind	An internal Coal Dust Management Working Group shall be formed by APSEZ to	APSEZ and Other Industries, Concerned Stake holders, District Administratio	Long Term	As mentioned above, earlier APSEZ has formed Internal Environment Monitoring Committee, involving Officials of APSEZ, Adani Power Limited & other member units, with specific role and responsibilities as defined above. The dry cargo is being handled by mechanized system and transported by covered conveyer system, trucks and rail wagons. Wind breaking walls are provided around the coal																								

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			breaking wall, development of greenbelt along the periphery of the storage yards/back up area and mechanized handling system for coal and other dry bulk cargo and Wagon loading and truck loading through closed silo. Both thermal power plants in the study area have installed electrostatic precipitators on the	effectively co-ordinate the approach to coal dust management and monitoring	n*		storage yards of APSEZ as well as Adani Power Plant. Adequate air pollution control measures like ESPs, FGDs, Bag Filters, etc. and adequate stack heights provisions within the thermal power plant for proper dispersion of pollutants. Green belt / plantation is provided around the periphery of dry cargo storage area and regular water sprinkling is also being done to abate the dust emission from coal hips. Last committee meeting was conducted on dated 15.04.2026 and below were the points of discussion for way forward. • Brief introduction about the Environment Management Plan (EMP) • All members conveyed their environment management practices, issue & suggestions. • Discussed about the various ways to improve existing practice to control the emission in terms of Air, Water and Noise. • Discussed about the proper management of the canteen waste. • Discussed about the cleaning of outside of the SEZ units.

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			boilers and are meeting the emission norms as per the respective ECs granted. Due to installation of tall stacks as per CPCB guidelines and EC conditions, the relative air pollution impacts due to release of emissions from two power plants is insignificant.				- Discussed about the management of rainwater & proper cleaning of the common storm water drainage system. - Discussed about proper segregation & disposal of solid waste material. - Discussed about increasing green belt area inside plant premises of SEZ units. - Discussed about disposal of minor qty. of generated hazardous waste & E-Waste materials at authorized recycler/vendor.
	Ships are one of the significant sources of SO ₂ and		A Standard	The current global limit for Sulphur content of ships fuel oil is			The ships coming to the APSEZ comply with MARPOL and other shipping rules and regulations. APSEZ has already started providing shore power supply to the tugs (11 Nos.), dredgers (2 Nos.) and

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4.3	NOX emissions in the study area. Marine diesel engines on the ships often utilize fuel oils that might contain higher sulphur content. As per the international best practices, these marine diesel engines are designed to meet MARPOL regulations with NOX emissions	Level-2	Operating Procedure (SOP) has been developed to be included as a part of APSEZ environment management plan to verify that all ships anchored at the port are adopting the MARPOL4 regulations.	3.5 % m/m (mass by mass). According to MARPOL, the new global cap on sulphur in the marine vessel fuels will be 0.50% m/m by the 1st January 2025. APSEZ should explore the possibility of providing shore power to the ships at the port to reduce idling stage ship emissions.	APSEZ and Ship Owners	Long Term	barges (1 No.). The feasibility of shore power will be explored and implemented on large scale for the visiting vessels to reduce idling stage ship emissions.

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	less than 14.4 gram/Kwhr of engine. Due to lower stack heights of the marine diesel engine, ship emissions often gets dispersed in the local environment and might pose risk of fumigation during the early morning and evening hours due to atmospheric inversion break-up periods.						

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4.4	Road vehicle emissions will be other major contributors to the air pollution in the region when the facility is fully developed.	Level-2	Not Applicable	Due to implementation of Bharat VI fuels (MoEF&CC) in near future the vehicular and diesel engine emissions will be reduced by about 50% from the current national levels. APSEZ should develop a robust contractor environmental policy to ensure that Bharat Stage VI emission norms are adopted by all their contractors and sub-contractors.	APSEZ and All Industries	Short Term	Presently, cargo evacuation through rail / conveyer / pipeline is ~41.45 % of overall cargo evacuation. Vehicles having valid PUC certificate are only being allowed to enter within the APSEZ area. Under ESG initiatives, the following measures have been undertaken to contribute to reduced carbon emissions and sustainable port operations. • Earlier APSEZ has procured 217 electric vehicles (E-ITVs) for internal cargo movement, and all units are currently operational. • Recently, APSEZ has procured an additional 395 electric vehicles for internal cargo movement, out of which 60 E-ITVs are presently in operation. • APSEZ procured 10 nos. LMV E-Vehicles for manpower movement and all are in operation. • Electrification of Rail Corridor from Dhrub Railway Station to Adipur Railway Station has completed and movement started by electric locomotive. It will lead to reduce the gaseous emission and increase efficiency of transportation by rail.

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude1	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance												
5	Noise emissions																		
5.1	Noise emissions are envisaged from port operations, industrial operations and power plants in the study area. Any increase in noise levels beyond three decibels from the background levels would be perceived as noise nuisance	Level-1	Due to adoption of various mechanized operations at the waterfront development, the noise emissions from the port cargo handling will be minimal. An adequate greenbelt is being developed by APSEZ to further reduce any residual impacts due to noise emissions from the	APSEZ, all the tenant industries and facilities within APSEZ are required to undertake noise monitoring at their facilities to demonstrate the compliance with the Noise level standards. Continuous noise recording units can be installed by APSEZ at facility boundary to address the community grievances, when ever required. To assess the overall site wide compliance and also to address any community	APSEZ	Continual Process	Below Safeguard measures are already taken for abatement of noise emissions. • Development of greenbelt along the periphery of the operational area. • D.G. Sets having Acoustic enclosures. • Maintenance of plant machineries and equipment's on regular frequency. Noise monitoring is being carried out by NABL accredited and MoEF&CC authorized agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi as per permission granted and reports are being submitted to the concerned authorities on regular basis. The noise monitoring summary for last six months (Oct'25 to Mar'26) are as below. Locations: 18 Nos. Frequency: Once a month (24 hourly) <table><tr><th>Noise</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Avr.</th><th>Leq Perm. Limit^{\$}</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>51.60</td><td>69.90</td><td>62.81</td><td>75</td></tr></table>	Noise	Unit	Leq Min	Leq Max	Leq Avr.	Leq Perm. Limit ^{\$}	Day Time	dB(A)	51.60	69.90	62.81	75
Noise	Unit	Leq Min	Leq Max	Leq Avr.	Leq Perm. Limit ^{\$}														
Day Time	dB(A)	51.60	69.90	62.81	75														

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude ¹	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance						
	(USEPA)7.		facility. Periodic noise level monitoring programs were adopted by APSEZ. Predicted noise levels were found to be well within the designated noise standards for Industrial facilities.	grievances related to noise issues due to operation of APSEZ facilities.			<table><tr><td>Night Time</td><td>dB(A)</td><td>43.30</td><td>64.50</td><td>56.97</td><td>70</td></tr></table> [§] as per GPCB standards Approx. INR 21.38 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26, which also includes ambient air quality monitoring for overall APSEZ, Mundra. All the results are well within the standards. From this it can be inferred that there are minimal impacts on the surrounding community. All other industries located in the APSEZ adhere to monitor and control the ambient noise level as per permission granted by SPCB and same is being confirmed by APSEZ as well as SPCB on regular basis. Further, till date APSEZ has not received any grievances/notice about noise issues from any of the stakeholders.	Night Time	dB(A)	43.30	64.50	56.97	70
Night Time	dB(A)	43.30	64.50	56.97	70								
				In order to address the public grievances related to noise from the facility, an internal Noise	APSEZ	Continual Process	As mentioned above, earlier APSEZ has formed Internal Environment Monitoring Committee, involving Officials of APSEZ, Adani Power Limited & other member units, having role and responsibilities as defined above. Last committee meeting was conducted on 15.04.2026 and below were the point of discussion for way forward.						

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				Management Committee can be formed by APSEZ to investigate the root cause and to develop and implement noise mitigation plans in the specific zones.			- Brief introduction about the Environment Management Plan (EMP) - All members conveyed their environment management practices, issue & suggestions. - Discussed about the various ways to improve existing practice to control the emission in terms of Air, Water and Noise. - Discussed about the proper management of the canteen waste. - Discussed about the cleaning outside of the SEZ units. - Discussed about the management of rainwater & proper cleaning of the common storm water drainage system. - Discussed about proper segregation & disposal of solid waste material. - Discussed about increasing green belt area inside plant premises of SEZ units. - Discussed about disposal of minor qty. of generated hazardous waste & E-Waste materials at authorized recycler/vendor. No grievance received for noise related issues, and it is observed that ambient noise levels are well within the permissible standards.
6	Surface water quality (Terrestrial and Marine)						
6.	In general,		As per the master plan	As per the master plan of APSEZ,	APSEZ	As and When	APSEZ has installed Common Effluent Treatment Plant (CETP) having 2.5 MLD capacities for treatment of

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1	release of untreated wastewater from industrial facilities would pose threat to water quality of streams, estuaries and marine water bodies.	Level -1	of APSEZ, 67 MLD of wastewater is expected to be generated from the fully developed project scenario, for which necessary permissions to set up decentralized CETPs of various capacities are already obtained. Presently a CETP capacity of 2.5 MLD is in place. Presently member units treat	the existing CETP shall be augmented to 67 MLD in progressive manner based on the future demand. The facility should limit the marine discharge of treated industrial wastewater to 16 MLD as per the permits. Remaining treated wastewater shall be utilized for horticulture purpose.		Required	partially treated effluent and sewage generated from industries within SEZ. Currently, CETP receives 859.57 KLD (Avg.) during this compliance period hydraulic load and considering the current development scenario, existing CETP is adequate to treat and handle the total effluent load coming from industries within SEZ. Out of 61 operational units only 3 industries within SEZ are sending their partially treated industrial as well as domestic effluent to the CETP confirming CETP inlet norms for further treatment and final disposal. Other industries within SEZ have their own STPs / ETPs for treatment of wastewater generated from their industrial operation and discharging the treated water on land for horticulture purpose within their premises as per permission granted by SPCB. The capacities of CETP will be enhanced on modular basis as per future requirement. Presently avg. 2.19 MLD (from CETP, ETP & STPs) of treated water is being utilized on land for horticulture purpose within APSEZ premises during period Oct'25 to Mar'26 and no discharge is made to any other source.

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			their effluents to meet the CETP inlet norms and then send it to CETP. Treated wastewater from CETP meets the stipulated discharge norms for utilization for greenbelt development within the APSEZ areas.				
			Online wastewater quality monitoring systems are installed at CETP to ensure quality of	Efforts shall be made to recycle complete treated wastewater for port operations and industrial operations of APSEZ in future based on a	APSEZ	Based on outcome Techno-feasibility Study	Online continuous effluent monitoring system (CEQMS) installed at the discharge point of CETP to track any deviation from discharge norms. CEQMS is connected with CPCB/GPCB server & data is continuous transferring in both servers. Presently entire quantity of treated water from CETP is used for gardening / horticulture purpose within APSEZ premises.

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			treated effluent meets the requisite discharge norms. No wastewater from CETP is discharged into natural bodies as on date..	detailed techno-economic feasibility study.			
			Runoff during monsoon from coal storage yards is collected in sedimentation ponds (dump pond) to remove any residual dust particulates for further disposal into	Storm water runoff from the facility during the first rain shall be sampled and analyzed for the presence of heavy metals or other criteria pollutants to adopt corrective and preventive actions to protect the marine water quality.	APSEZ	Continual	There are provision of drains around coal stack yard to carry to runoff water to dump ponds. This water is either used for dust suppression or after sedimentation (to remove residual dust), is allowed disposal to sea. Presently Marine monitoring is being carried out once a month by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi for APSEZ & APL both. The analysis reports of the same are being submitted to the concerned authorities on regular basis. The marine water quality monitoring summary for last six months (Oct'25 to Mar'26) is as per below. Locations: 14 Nos. (APSEZ – 9 + APL – 5)

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance																																																																								
			sea	All red and hazard category industry within APSEZ shall adopt spill prevention and control program and no effluents shall be discharged into storm water-drains.			Frequency: Once in a Month / Half Yearly <table border="1"> <thead> <tr> <th>TEST PARAMETERS</th><th>UNIT</th><th colspan="3">Cumulative Surface</th><th colspan="3">Cumulative Bottom</th></tr> <tr> <th></th><th></th><th>Min</th><th>Max</th><th>Average</th><th>Min</th><th>Max</th><th>Average</th></tr> </thead> <tbody> <tr> <td>pH</td><td>--</td><td>7.91</td><td>8.30</td><td>8.16</td><td>7.74</td><td>8.30</td><td>8.11</td></tr> <tr> <td>BOD</td><td>mg/L</td><td>2.20</td><td>4.40</td><td>3.13</td><td>BDL (MDL:1.0)</td><td>4.50</td><td>3.04</td></tr> <tr> <td>TSS</td><td>mg/L</td><td>26.90</td><td>144.00</td><td>90.12</td><td>32.90</td><td>132.00</td><td>84.64</td></tr> <tr> <td>DO</td><td>mg/L</td><td>4.50</td><td>6.69</td><td>5.62</td><td>4.40</td><td>6.49</td><td>5.42</td></tr> <tr> <td>Salinity</td><td>ppt</td><td>35.20</td><td>39.20</td><td>36.46</td><td>26.76</td><td>39.40</td><td>36.91</td></tr> <tr> <td>Temperature</td><td>oC</td><td>29.00</td><td>30.70</td><td>29.90</td><td>28.90</td><td>30.60</td><td>29.71</td></tr> <tr> <td>TDS</td><td>mg/L</td><td>34410</td><td>36550</td><td>35858</td><td>35370</td><td>37610</td><td>36873</td></tr> </tbody> </table> BDL- Below Detection Limit MDL- Minimum Detection Limit Approx. INR 21.38 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26, which also includes ambient air quality monitoring for overall APSEZ, Mundra.	TEST PARAMETERS	UNIT	Cumulative Surface			Cumulative Bottom					Min	Max	Average	Min	Max	Average	pH	--	7.91	8.30	8.16	7.74	8.30	8.11	BOD	mg/L	2.20	4.40	3.13	BDL (MDL:1.0)	4.50	3.04	TSS	mg/L	26.90	144.00	90.12	32.90	132.00	84.64	DO	mg/L	4.50	6.69	5.62	4.40	6.49	5.42	Salinity	ppt	35.20	39.20	36.46	26.76	39.40	36.91	Temperature	oC	29.00	30.70	29.90	28.90	30.60	29.71	TDS	mg/L	34410	36550	35858	35370	37610	36873
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			Detailed marine	Good dredging practices shall be			No capital dredging has been done, since Apr 2015 to Aug 2024.																																																																								

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			hydrodynamic modelling studies revealed that the current and proposed dredged soil disposal practices, sea water intake and outfall facilities and desalination plant outfall etc have shown insignificant impact on the marine eco-system. As part of the comprehensive environmental monitoring	adopted by APSEZ: (i).Improving the dredging accuracy (ii).Improving onboard automation and monitoring, (iii). Reduce spill and loss, (iv). evaluating the need for installing silt screens near mangrove areas during the dredging phase operations, (v). Environment friendly dredging activities can be undertaken in such a way that the overall turbidity levels near the mangrove and ecologically	APSEZ	Long Term	Total 5.14 MCuM Capital dredging or reclamation is carried out from Oct'24 to Mar'26 for Expansion of Waterfront Development Plan. Out of which 2.07 MCuM is carried out during the compliance period Oct'25 to Mar'26. Dredged material generated during maintenance dredging is being disposed at designated locations within deep sea as identified by NIO. Dredging Management plan is adopted for carrying out dredging and management of dredge material. Presently there are 3 nos. of dredgers (2 Nos. Cutter suction + 1 No. Trailer suction) are in operation for dredging. Marine monitoring is being carried out once a month by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. The analysis reports of the same are being submitted to the concerned authorities on regular basis. Please refer to Compliance Report Condition No. 6.1 for the summary of marine water quality monitoring for the last six months. .. The same practice will be continued in future also as

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			program, APSEZ has been adopting marine water and sediment quality monitoring on monthly basis.	sensitive zones shall not exceed 100 NTU or 200 mg/l of TSS (10% lethal level of fish) Existing marine monitoring program shall be continued as per the directions of MoEF&CC and GPCB.			per direction by MoEF&CC as well as GPCB. Monitoring will be focused near ecological sensitive area in case of need to carry out capital dredging near such areas.
7	Groundwater quality and salinity ingress						
7.1	While Mundra block is enjoying safe ground water status as on date (based on the data published by CGWB), due to induced economic	Level-2	APSEZ is not utilizing ground water for any type of use. APSEZ is meeting the current water demand through Narmada water supply scheme and	A dedicated desalination plant of capacity 4,50,000 m ³ /day (450 MLD) will be developed in progressive manner to meet the APSEZ requirements.	APSEZ	As and When Required	Present source of water for various project activities is desalination plant of APSEZ and/or through Gujarat Water Infrastructure Limited (GWIL) and same is sufficient to meet the present water demand. APSEZ does not draw any ground water. A 47 MLD desalination plant was developed as part of earlier clearances granted in 2009. Further, under the WFDP Expansion Project, development of an additional 400 MLD desalination capacity has been approved. Out of this, APSEZ has developed a 33 MLD desalination plant, which is presently in operation.

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	and population growth, use of ground water resources by the local people might increase in Mundra region. This might increase the TDS and chloride levels in the ground water in future.		47 MLD captive desalination plant at site.				At present, APSEZ has developed a total desalination capacity of 80 MLD (47 MLD – existing + 33 MLD – additional) under the WFDP West Port (GPCB ID – 35427). The facility utilizes the existing intake and outfall system, which is designed to handle up to 300 MLD capacity. The amendment in Consent to Operate (CC&A) for the same has been duly obtained from the Gujarat Pollution Control Board (GPCB). Further, an additional 22 MLD desalination plant is under development within the SEZ area under the ToR/CTE granted for WFDP Expansion dated 14/05/2020. In addition, development of an 80 MLD desalination plant is in progress through Mundra Petrochemical Ltd. (a Group company of Adani) under an agreement with APSEZ. A separate Consent to Establish (CTE) has been obtained from GPCB vide Order No. CTE-77914 dated 09/12/2024. The balance capacity of 265 MLD out of the approved 400 MLD will be developed in a phased/modular manner, based on business requirements.
7.2	Due to induced growth in the region,	Level-2	Ground water is not drawn by APSEZ for its	The Govt. of Gujarat, Narmada, Water Resources, Water	District Administration*	Long Term	APSEZ will co-operate and comply with the directions from the regulatory authorities concerned. APSEZ does not draw any ground water for the

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	pressure on the available ground water source would increase and this could pose some threat to salinity ingress.		operations. Natural streams (seasonal rivers) passing through the APSEZ area will not be disturbed, the micro-watershed in the area will not be disturbed. Due to the above reasons, the possibility of salinity ingress due to APSEZ development is not envisaged. Mundra and Anjar blocks fall under	Supply & Kalpsar Dept.,(WRD)12 has been implementing various salinity ingress prevention projects			freshwater requirement. However, Adani Foundation – CSR arm of Adani Group has carried out rainwater harvesting activities in the nearby villages for benefit of the locals. 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. Since, 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. Water Conservation Work Done during Compliance Period Oct'25 to Mar'26: Renovation of Mamal Sagar created 22,500+ cubic meters of water storage.

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			fresh water to medium salinity zones. It can be observed that little variation was observed in the ground water salinity levels from year 2013 to 2016 across the Mundra and Anjar blocks. This aspect confirms that the overall salinity ingress from the shore into the land due to existing APSEZ facilities and				Benefiting 50+ farms and improving groundwater levels to strengthen local water security. ○ The Adani Foundation provided timely financial support that enabled the farmer to install a drip irrigation system on two acres—his first experience with modern irrigation. This reduced the risks of rain-fed farming, lowered costs, and ensured efficient water use even during dry periods. ○ Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. Water Conservation Projects completed earlier: ❖ Check Dam New/Renovation: ○ Structures: 30 ○ Water Capacity Increase: 1,072,332 CUM ○ Beneficiaries: 30,870 ○ Impact: Enhances water storage and irrigation. ❖ Rainwater Harvesting Structures (RRWHS): ○ Structures: 355 ○ Water Capacity Increase: 3,300,000 CUM ○ Beneficiaries: 1760

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			power plant outfalls are less significant.				○ Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ❖ Pond Deepening: ○ Structures: 145 ○ Water Capacity Increase: 1,028,403 CUM ○ Beneficiaries: 18,350 ○ 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:

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							- 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. ❖ Developed 17 nos. of Adani Van Sites with planted 1.22 lac trees in 16 nearby villages. With the objective of preserving 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. Narmada Water Resources, Water Supply & Kalpsar Dept., (WRD)1 has been implementing various salinity

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							ingress prevention projects. Under Sardar Sarovar canal project, Govt. of Gujarat has proposed to implement about 8200 Km stretch of water canal and the project is at various stages of implementation. Under this project about 112,000 ha of land in about 180 villages will benefit with irrigation needs. This will significantly reduce the pressure on the ground water resources in the region.																																			
				While the individual industries in the study area will continue to undertake ground water quality monitoring as per the environmental clearances issued for the respective projects, a regional level ground water conservation action committee can	All Concerned Stakeholders, District Administration and CGWB*	Continual Process	APSEZ (9 Locations – half yearly) & Adani Power Ltd. (5 Locations – quarterly) is carrying out ground water sampling and reports of the same are being submitted to the regulatory authorities on regular basis. The summary of APSEZ ground water quality monitoring for last six months (Oct'25 to Mar'26) are as below. Nos. of Location: 09 <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>7.40</td><td>8.22</td><td>7.82</td></tr><tr><td>Salinity</td><td>ppt</td><td>0.90</td><td>18.56</td><td>7.05</td></tr><tr><td>Oil & Grease</td><td>mg/L</td><td>BDL(MDL:2.0)</td><td>BDL(MDL:2.0)</td><td>BDL(MDL:2.0)</td></tr><tr><td>Hydrocarbon</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</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></table>	Parameters	Unit	Min	Max	Average	pH @ 25 ° C	--	7.40	8.22	7.82	Salinity	ppt	0.90	18.56	7.05	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
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				be formed under the guidance of state ground water board and district Administration.			<table><tr><td>Nickel as Ni</td><td>mg/L</td><td>BDL(MDL:0.02)</td><td>0.292</td><td>0.064</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>0.239</td><td>0.027</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><tr><td>Zinc as Zn</td><td>mg/L</td><td>BDL(MDL:0.05)</td><td>0.075</td><td>0.008</td></tr><tr><td>Copper as Cu</td><td>mg/L</td><td>BDL(MDL:0.05)</td><td>0.066</td><td>0.021</td></tr><tr><td>Iron as Fe</td><td>mg/L</td><td>BDL(MDL:0.1)</td><td>0.854</td><td>0.179</td></tr><tr><td>Insecticides/Pesticides</td><td>µg/L</td><td>Absent</td><td>Absent</td><td>Absent</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1.95</td><td>2.00</td><td>1.97</td></tr></table>	Nickel as Ni	mg/L	BDL(MDL:0.02)	0.292	0.064	Total Chromium as Cr	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	Cadmium as Cd	mg/L	BDL(MDL:0.003)	0.239	0.027	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	Zinc as Zn	mg/L	BDL(MDL:0.05)	0.075	0.008	Copper as Cu	mg/L	BDL(MDL:0.05)	0.066	0.021	Iron as Fe	mg/L	BDL(MDL:0.1)	0.854	0.179	Insecticides/Pesticides	µg/L	Absent	Absent	Absent	Depth of Water Level from Ground Level	meter	1.95	2.00	1.97	BDL – Below Detection Limit MDL – Minimum Detection Limit Approx. INR 21.38 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26, which also includes ambient air quality monitoring for overall APSEZ, Mundra. The freshwater requirement of all the industries within SEZ is being satisfied through APSEZ. All the industries are encouraged to monitor ground water quality as per				
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							the permissions granted by competent authorities. As mentioned above, APSEZ has formed Internal Environment Monitoring Committee, involving Officials of APSEZ, Adani Power Limited and other member units, having role and responsibilities as defined above. APSEZ will co-operate and comply with the directions from concerned regulatory authorities for ground water management.
8	Waste Management						
8.1	Solid waste will be generated from industrial activities of APSEZ and other permitted facilities in the study area including Mundra town. These wastes would	Level-2	APSEZ has been adopting Zero waste Initiatives and the entire waste generated from existing operations is segregated and disposed to recycling vendors, thereby APSEZ has achieved	APSEZ will continue to adopt Zero Waste Initiative and wastes will be segregated at source and disposed to various recycling vendors, co-processing in cement plants. This initiative helps not only to reduce the waste to landfill significantly, but	APSEZ	Continual Process	Presently APSEZ has implemented Zero waste Initiatives as per 5R (Reduce, Reuse, Recycle, Recover & Reprocess) principles of waste management. At present, APSEZ has developed material recovery facility for 6.0 TPD capacities. 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 in various categories. Presently manual sorting is being done for different types of solid waste. Segregated recyclable materials such as Paper, Plastic, Cardboard, PET Bottles, Glass etc. are then sent to respective recycling units, whereas remaining non-recyclable waste is bailed and sent to cement plants

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	contain recyclable material, construction debris, organic waste, inert material and e-waste etc. In the absence of any organized source segregation programs and material recycling strategies and infrastructure facilities, these wastes will enter into environment and would pose long		zero landfill status as on date.	also to recycle the materials there by avoiding ecological impacts.			for Co-processing as RDF (Refused Derived Fuel). The same practice will continue in future also. APSEZ has also been recognized for Zero Waste to Landfill certification from reputed organization. APSEZ, Mundra is certified for Zero Waste to Landfill management system (Certificate No.: CII/ZWL/2025/001) by Confederation of Indian Industry (CII). (valid up to 22.12.2027). The copy of certificate was submitted along with HYCR for the period Oct'24 to Mar'25. APSEZ is being done proper solid waste management in its operational area with 5R principle as per Waste Management Plan.

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	term health impacts.						Industries located within the SEZ area are also complying with the waste management rules stipulated by statutory authorities and same is also confirmed by APSEZ as well SPCB on regular basis.
8.2	Considering an average solid waste generation of 0.25 Kg/person/day, the estimated solid waste from facilities within APSEZ will be in the order of 100 TPD (36,500 TPA).	Level-2	APSEZ has made a provision for central waste management facilities within the existing site based on the future needs. As part of the Zero Waste Initiatives, no landfill facilities will be installed at APSEZ.	The existing waste segregation and material recycling facilities will be augmented to dispose safely the wastes generated from APSEZ areas. Solid Waste Management Program shall be adopted and implemented as per Municipal Solid Waste Management Rules 2016 and Construction Waste Management Rules 2016	APSEZ	Continual Process	
	About 35		As per the	Solid Waste Management			

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8.3	TPD (13,000 TPA) of solid waste would be generated from the proposed industrial areas located outside the APSEZ area.	Level-2	MSW Rules 2016 all the industrial facilities and SEZs are required to adopt waste segregation facilities at the respective properties and non-recyclable waste shall be disposed to landfill sites.	Program shall be adopted and implemented as per Municipal Solid Waste Management Rules 2016 and Construction Waste Management Rules 2016	All Industries	Continual Process	
9	Ecological aspects (terrestrial and marine)						
	About 1576 ha of shrub forest land		It is noted that the designated forest land is free from any	APSEZ has approached concerned authorities for diversion of designated forest land.	APSEZ/State		Stage – 1 Forest clearance granted for diversion of 1576.81 Ha Forest land. Compliance of stage-1 forest clearance is process. After getting EC & CRZ Clearance, Stage-2 Forest clearance will be obtained. Recently, APSEZ has been granted the EC & CRZ Clearance for development of 1576.81 Ha Industrial

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9.1	contiguous to APSEZ area is applied for land diversion for various developmental activities. This might have certain level of changes in the biodiversity in the study area.	Level -1	native vegetation and comprises of Prosopis juliflora. It is also noted that no endangered species are present at the shrub forests that are applied for land diversion. It is also noted that no forest produce is reported from this designated forest land parcel due to lack of economic	Suitable compensatory afforestation plan shall be adopted based on the recommendations and directions of the concerned authorities. Due to adoption of compensatory afforestation program through a scientific manner, the overall ecological footprint in the district will be increased. Due to plantation of native tree species as part of greenbelt development, the overall biodiversity of the region will	Forest Department*	Long Term	Park/SEZ at Mundra Tahsil, Kutch District vide File No: 10-138/2008-IA.III dated 19/02/2026.

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			importance of plant species reported in the shrub forest. It is also noted that no tribal lands are located in the designated forest land parcel. Hence there will not be any change in biodiversity due to the proposed diversion.	increase considerably when the project is fully developed.			
9.	Mangrove conservation areas are	Level -1	No development activities will be undertaken	Mangrove footprint and	APSEZ	Continual	As a part of the directions given by MoEF&CC vide order dated 18th Sep, 2015, following studies were conducted. 1. NCSCM (MoEF&CC promoted Government Agency)

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2	located adjacent to the APSEZ area. Accidental discharges of industrial effluents into the marine environment would pose certain ecological risk.		within mangrove conservation areas. APSEZ has taken up large scale mangrove afforestation activities in an area of more than 2800 ha at various locations across the coast of Gujarat state in consultation with various organizations. The Adani Foundation introduced 'Mangrove Nursery	health status shall be monitored annually		Process	study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ. As a part of mangrove conservation plan, APSEZ has done following activities. a. To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently APSEZ has entrusted NCSCM, Chennai to carry out the Monitoring of mangrove distribution in creeks in and around APSEZ with cost 45.87 Lacs from year 2021 to 2023. b. Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is as per below. - The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. - Regarding the overall health of mangroves in the creeks in and around APSEZ, it was observed that there was a stable growth in mangrove cover approximately 2 hectares,

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			Development and Plantation' scheme in the area as an alternative income generating activity for the people of the region.				accounting for about a 0.08% increase from February 2021 to September 2023. Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25. c. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ. d. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1. e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 431.52 Lacs during FY 2025-26 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity. As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities. <table><tr><th>Sr. No.</th><th>Recommendations</th><th>Compliance</th></tr><tr><td></td><td></td><td></td></tr></table>	Sr. No.	Recommendations	Compliance			
Sr. No.	Recommendations	Compliance											

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							1. Mangrove mapping and monitoring in and around APSEZ • APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island. • Recently, NCSCM has conducted ground truthing during 5th to 7th Mar'25 & 22nd to 27th Apr'25 in and around our APSEZ area for mangrove mapping using High resolution Multispectral satellite images with scenes of the years 2021-2023. The mangrove mapping study work has been completed. The overall assessment of mangrove mapping is as per below. ○ The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was assessed using WorldView-3 satellite images from February 2021 and September 2023. ○ Regarding the overall health of mangroves in the creeks in and around APSEZ, it was

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									observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase from February 2021 to September 2023. Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report was submitted along with HYCR for the period Apr'25 to Sep'25.
							2.	Tidal observation in creeks in and around APSEZ	- APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM. - The observed tidal ranges indicate that the creeks experience normal tidal ranges, adequate for the growth of mangroves. - The cost of the said activity was INR 1.0 Lacs.
							3.	Removal of Algal and Prosopis	Algal and Prosopis growth monitoring was done in and around mangrove area and

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								growth from mangrove areas	algal encrustation was found in some of the mangrove areas, which has been removed manually. The cost of the said activity was Rs. 1,84,800 during the compliance period Oct'25 to Mar'26. The algal removal report is attached as Annexure – 1.
							4.	Awareness of mangroves importance in surrounding communities	- Adani Foundation – CSR Arm of Adani group has done awareness camps/activities created in the community regarding importance of mangroves. Adani Foundation provides Good Quality dry and green fodder to 33 Villages. Dry Fodder 16,38,505 Kg Green Fodder – 62,05,521 Kg during Apr'25 to Mar'26. - Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 431.52 Lacs during FY 2025-26 which was incurred by APSEZ. Grass Land development: 213 acres of gauchar land

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									has been cleaned and allocated for Grass land development with strong Community Contribution and Mobilization. • Other than this dedicated security guard with gate system deployed by APSEZ across the coastal area and no any unauthorized persons allowed within coastal as well as mangrove areas. • APSEZ has celebrated the International Day for the Conservation of the Mangrove Ecosystem with coordination of Adani Foundation from 24th to 26th July 2024 to raise awareness of the importance of mangrove ecosystems as "a unique, special and vulnerable ecosystem". The report for the same was submitted along with HYCR for the period Apr'24 to Sep'24. Refer CSR report attached as Annexure – 2.
			A detailed marine hydro-	All approved marine outfalls			Presently marine monitoring is being carried out by the Adani power plant at the marine outfall locations and reports are being submitted to the concerned		

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9.3	Outfall from the thermal power plants desalination and CETP would pose certain level of impact on the marine environment.	Level-1	dynamic and dispersion modelling of the study area indicates that the background temperature and salinity at mangrove conservation area will not increase from the prevailing background levels as the outfalls are located far away. APSEZ and respective power plants in the study area have been monitoring	shall be monitored for salinity, temperature and other designated parameters as per consent to establish issued by GPCB. Existing marine environmental monitoring program shall be continued.	APSEZ and Concerned Industry	Continual Process	authorities on regular basis. APSEZ is carrying out Marine monitoring once a month at 9 locations in deep sea by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. The analysis reports of the same are being submitted to the concerned authorities on regular basis. Adani power plant is also doing marine water quality at 5 locations (2 locations at outfall location) in deep sea by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment & Research Labs Pvt. Ltd. The analysis reports of the same are being submitted to the concerned authorities on regular basis. The summary of marine water quality is shown above. The comparison of marine water results between CIA and current monitoring data are as below. <table><tr><th rowspan="2">Parameter</th><th rowspan="2">Unit</th><th colspan="2">Max</th><th colspan="2">Min</th></tr><tr><th>CIA</th><th>Present</th><th>CIA</th><th>Present</th></tr><tr><td>Temp.</td><td>°C</td><td>29.50</td><td>30</td><td>29.00</td><td>29</td></tr><tr><td>Salinity</td><td>ppt</td><td>36.40</td><td>36.6</td><td>35.20</td><td>35.2</td></tr></table> As per above results, it can be seen that there is minimal deviation in the concentration of parameters and thus indicates that impacts are insignificant.	Parameter	Unit	Max		Min		CIA	Present	CIA	Present	Temp.	°C	29.50	30	29.00	29	Salinity	ppt	36.40	36.6	35.20	35.2
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			the marine water quality status on monthly basis for the stipulated environmental and ecological parameters.				
9.4	Terrestrial Ecology: Study area doesn't have any notified national parks or ecological sanctuaries. Since the area falls under dry deciduous shrubs. Due to scanty rains in the	Level-1	APSEZ has developed greenbelt in an area of 550ha as against the committed area of 430ha. A dedicated nursery is set up to promote plantation. APSEZ have undertaken a plantation with about 9.6 Lakh fully grown	The compensatory afforestation area to be monitored annually to check the survival rate of the plantation.	APSEZ	Continual Process	APSEZ has developed its own "Dept. of Horticulture" which is taking measures/ steps for terrestrial plantation/greenbelt development. APSEZ, Individual SEZ Industries and Adani Power Plant has developed approx. 700 Ha. area as greenbelt within the APSEZ area including SEZ industries & Adani Power Plant. Dedicated horticulture department is maintaining and monitoring the terrestrial green belt development on regular basis to check the survival rate of plantation. Budget for Horticulture Department for the FY 2025-26 is to the tune of INR 831 lakh. Out of which, Approx. INR 570 lakh has been spent during the year FY 2025-26.

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	area, the overall natural green-cover/vegetation in the area is very small.		trees.				
10	Socio-economic aspects						
10.1	Population growth in the Mundra region was reported to be in the order of 85% during the past decade (2001-2011). Further expansion of the urban area could be possible due to induced economic growth in the region.	Level-1	Dedicated townships are developed within APSEZ area with necessary community infrastructure such as hospital, school, recreational facilities, sewage treatment and waste collection facilities.	The existing townships will be expanded to accommodate about 4lakh people when the project activity is fully developed.	APSEZ	As and When Required	APSEZ has developed three townships (Shantivan, Samudra & SVCT) accommodating 4167 households and associated infrastructure facilities. Accommodation is made available for all interested employees working within Adani group & SEZ industries. Out of which 76.19 % Occupancies are accommodated within the townships and rest are available for employees working within APSEZ. At present 61 nos. of industries (processing & non-processing) are operating within the SEZ. Township facilities are also made by SEZ industries within Mundra town for their employees having basic infrastructure facilities and requirements. Most of the employees working in SEZ industries are residing in Mundra township having all basic requirements and associated facilities.

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	Increase in population will have a additional need for public infrastructure in the region.		Adani Foundation has been undertaking various CSR programs under the principal themes such as education, community health, sustainable livelihood and rural infrastructure. About Rs. 97 Cr has been spent on various CSR activities in the Mundra region since 2010. Similar community development programs (based on need based assessment)				The existing social infrastructure facilities are adequate to accommodate the people considering present APSEZ development. The existing townships with associated facilities will be expanded as per requirement. Other infrastructure facilities have been developed for people are as follows. • Multi-Specialty Hospital • School • Commercial complex • Religious place APSEZ is actively working with local community (including fishermen community) around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation in the main five persuasions is mentioned below. • Community Health • Sustainability Livelihood – Fisher Folk • Education • Rural Infrastructures • Skill Development Adani foundation has spent approx. INR 11038.56 lakhs from April – 2018 to March - 2026 for CSR activities which also includes cost of rural infrastructure projects.

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			will be continued in future as well with allocation of appropriate budget.				Major works carried out since April 2018 as a part of CSR activities are as below. <u>Infrastructure development activities during FY 2025-26 :</u> • Water Conservation: ○ Pond deepening, renovation of tanks, and rainwater harvesting structures. ○ Renovation of <i>Mamal Sagar</i> created 22,500+ cubic meters of water storage. ○ Enhanced water resources through pond deepening, tank renovation, RRWHS setups, and river cleaning—improving water availability for households, farmers, and livestock across villages. • Enhancing Connectivity & Public Utilities: ○ Development of CC roads, pipe culverts, approach roads, open sheds, gaushala facilities, and fishermen settlement infrastructure improved mobility, supported livelihoods, and created more functional community spaces. • Upgrading Social Infrastructure: ○ Renovation of schools, community halls, crematoriums, sports areas, and health facilities strengthened access to education, healthcare, sanitation, and recreation—

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							helping build more resilient rural communities. ○ Luni and Sadau open shed: The open shed development in Luni and Sadau will provide a safe and accessible space for community meetings and events, strengthening social interaction and long-term community well-being. ○ Bhadresar and Vovar common gathering shed: The development of common gathering shed in Bhadresar and Vovar will create a safe and inclusive space for community meetings and events, promoting social connection and community well-being. ○ Construction of CC road Nana Kapaya: The construction of the CC road in Nana Kapaya will improve safe access, ease daily movement, and support better connectivity for the community. <u>Infrastructure development activities during FY 2025-26 till Sep'25:</u> • Pond Deepening: 03 Nos. • Digital Library: 04 Nos. • Common Gathering Shed: 09 Nos. • Gaushala Development: 02 Nos. • RRWHS Construction: 25 Nos. • Community Center: 02 Nos.

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							• Check dam strengthening: 02 Nos. • Restrengthening of Approach Road: 24 Km ❖ <u>EARLIER COMMUNITY INFRASTRUCTURE DEVELOPMENT KEY COMMUNITY INFRASTRUCTURE DEVELOPMENTS:</u> ○ Open Shed at PTC College, Mundra – 160 beneficiaries ○ Educational Facility Renovations ○ Open Shed at Mokha Parking – 2000 beneficiaries ○ Paver Block Floor Work, Wandri Village – 2000 beneficiaries ○ High School, Zarapra: 550 students benefited. ○ Anganwadi, Goyarsama: 40 students benefited. ○ Canal Cleaning & Chamber Renovation, Bhadreswar Village – 120 beneficiaries ○ High School, Desalpar: 550 students benefited. ○ Kasturba Girls Hostel, Desalpar: 150 girls benefited. ○ Infrastructure Improvements: ○ Pipe Culvert, Old Bandar: 1200 people benefited. ○ Box Culvert & CC Road, Zarpara: 12000 people benefited. ○ Approach Road, Shekadiya & Luni: 1200 people benefited.

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							○ Approach Road, Vadi Vistar: 800 farmers benefited. ○ 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. ● Sanitation and Health Initiatives: ○ R.O. Plant, ITI Mundra & Sanjivni School: 800 students benefited. ○ Toilet Block for Disabled, GPVC Villages: 5 families benefited. ○ Painting & Office Work, CHC Mundra: 14600 people benefited. Similar community development programs (based on need based assessment) will be continued in future as well with allocation of appropriate budget.
10.2	The overall sex ratio was found to reduce by 28% in the Mundra taluk (study area) during the period 2001 -	Level-2	Adani foundation is taking up several girl child education programs as	Suitable regional level awareness programs on the girl child protection and encouragement programs in line with state and national policies	APSEZ, Other development projects and District Administration*	Long Term	● Major works carried out since April 2018 as a part of CSR activities to create awareness about girl child protection are as below. ● The Adani Foundation provided scholarship support to motivation and encouragement of fishermen boys and girls for higher education under this program. We extend 100% fee support to female candidates and 80% to male candidates."

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	2011. This could be attributed to increase in influx of working men in the region due to rapid economic development. Similar trend might continue in future due to induced economic growth in the region.		part of CSR activities to create awareness about girl child protection.	shall be adopted under Corporate Social Responsibility programs in association with district authorities.			- Benefited 11,532 students across 81 government schools. - Improved Foundational Literacy and Numeracy (FLN) outcomes. - Strengthened parent-teacher-community engagement, especially participation of mothers. - Increased attendance and reduced learning gaps. Overall Education Coverage<table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Students Benefited (Education Programs)</td><td>50,000+</td></tr><tr><td>Government & Foundation Schools Covered</td><td>82+</td></tr><tr><td>Villages Covered (Education Interventions)</td><td>61</td></tr></table> B. Adani Vidya Mandir, Bhadreswar (AVMB)<table><tr><th>Parameter</th><th>Numbers</th></tr><tr><td>Total Students Enrolled</td><td>685</td></tr><tr><td>Classes Covered</td><td>Sr. KG to Class X</td></tr><tr><td>Teachers</td><td>27</td></tr></table>	Indicator	Numbers	Total Students Benefited (Education Programs)	50,000+	Government & Foundation Schools Covered	82+	Villages Covered (Education Interventions)	61	Parameter	Numbers	Total Students Enrolled	685	Classes Covered	Sr. KG to Class X	Teachers	27
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							<table><tr><td>Classrooms</td><td>18</td></tr><tr><td>Student-Teacher Ratio</td><td>~25:1</td></tr><tr><td>SSC Results</td><td>100% Pass</td></tr><tr><td>Students Scoring Above 90% (SSC)</td><td>2</td></tr><tr><td>Awards / Recognitions</td><td>No.1 School in Kutch, NABET Accredited</td></tr></table> Project Utthan – Government School Education <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Schools Supported</td><td>81</td></tr><tr><td>– Primary Schools</td><td>69</td></tr><tr><td>– Secondary & Higher Secondary Schools</td><td>12</td></tr><tr><td>Total Students Benefitted</td><td>11,532</td></tr><tr><td>Utthan Sahayaks Deployed</td><td>As per school requirement</td></tr><tr><td>Parent-Teacher Meetings Conducted</td><td>Regular</td></tr><tr><td>Mothers Actively Engaged</td><td>Significant participation</td></tr></table> Career Exposure & Competitive Exam Support	Classrooms	18	Student-Teacher Ratio	~25:1	SSC Results	100% Pass	Students Scoring Above 90% (SSC)	2	Awards / Recognitions	No.1 School in Kutch, NABET Accredited	Indicator	Numbers	Total Schools Supported	81	– Primary Schools	69	– Secondary & Higher Secondary Schools	12	Total Students Benefitted	11,532	Utthan Sahayaks Deployed	As per school requirement	Parent-Teacher Meetings Conducted	Regular	Mothers Actively Engaged	Significant participation
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							<table><tr><th>Program</th><th>Numbers</th></tr><tr><td>Project Udaan – Institutions Covered</td><td>582</td></tr><tr><td>Project Udaan – Student Participants</td><td>37,819</td></tr><tr><td>Competitive Exam Coaching Schools</td><td>52</td></tr><tr><td>Students in Competitive Exam Coaching</td><td>2,726</td></tr><tr><td>Career Counselling (Class 10) Students</td><td>448</td></tr></table> Scholarships & Higher Education Support <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Scholarship Beneficiaries</td><td>31 students</td></tr><tr><td>Total Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr></table> Education-Linked Health & Safety Initiatives <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Students Attending Health Awareness Sessions</td><td>711</td></tr></table>	Program	Numbers	Project Udaan – Institutions Covered	582	Project Udaan – Student Participants	37,819	Competitive Exam Coaching Schools	52	Students in Competitive Exam Coaching	2,726	Career Counselling (Class 10) Students	448	Indicator	Numbers	Scholarship Beneficiaries	31 students	Total Scholarship Amount Disbursed	₹3,70,052	Fisherfolk Students Supported (Education Kits)	95	Indicator	Numbers	Students Attending Health Awareness Sessions	711
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							<table><tr><td>Students Undergoing Health Screening</td><td>1,093</td></tr><tr><td>Schools Covered for Health Programs</td><td>Government schools</td></tr></table>	Students Undergoing Health Screening	1,093	Schools Covered for Health Programs	Government schools
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Schools Covered for Health Programs	Government schools										
							About INR 11038.56 lakhs has been spent on various CSR activities in the Mundra region since April - 2018 to till March - 2026 including cost of community health and education for woman and girl child.				
10.4	Due to economic growth leading to rapid urbanization, which prompts the need for healthcare facilities in the region. For an influx of 6 lakh people from APSEZ operations and additional 3	Level-2	Adani hospitals, Mundra is setup by Adani group near Samudra township with a goal to provide primary and secondary health care services to Adani group employees and the local populace of Mundra. The existing 100 bed Adani	APSEZ will explore other possibilities to augment the primary and secondary healthcare facilities in future depending on the growth scenario at APSEZ development.	APSEZ	Long Term	Adani hospitals (Multi-specialty), Mundra has 100 bed facility and same is setup by Adani group near Samudra township. Primary health center and community health center are in place within the Mundra taluka. Other than this Adani foundation is doing various activities as part of community health. The details of FY 2025-26 are below. • 39,091 medical consultations delivered through: ○ Rural clinics in 7 villages ○ Mobile Health Units covering 28 villages and fishing settlements ○ General, specialty, eye-care, and student health camps • Cataract Free Mundra Initiative restored eyesight and livelihood capability through timely surgeries.				

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	Lakh from induced growth by the year by 2030 (fully developed scenario), total hospitals facilities with about 540 beds would be required.		hospital at Mundra has been catering the services ranging from wellness and preventative care.				- Health screenings, vaccination programs, and hygiene awareness sessions conducted in schools. - Medical equipment supplied to 7 PHCs and 42 sub-centers, improving rural healthcare infrastructure. Overall Healthcare Reach <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Total Medical Consultations Provided</td><td>39,091</td></tr><tr><td>Villages Covered (Health Interventions)</td><td>28+</td></tr><tr><td>Rural Clinics Operational</td><td>7 villages</td></tr><tr><td>Mobile Health Care Units (MHCU) Coverage</td><td>28 villages & fishing settlements</td></tr><tr><td>Total Healthcare Beneficiaries (Direct)</td><td>39,000+ persons</td></tr></table> Healthcare Service Delivery (Program-wise) <table><tr><th>Service Type</th><th>Beneficiaries</th></tr><tr><td>Rural Clinics</td><td>13,640</td></tr><tr><td>Mobile Health Care Units (MHCU)</td><td>16,226</td></tr><tr><td>Specialty Health Camps</td><td>5,253</td></tr><tr><td>General, Student & Eye Care Camps</td><td>3,848</td></tr></table>	Indicator	Numbers	Total Medical Consultations Provided	39,091	Villages Covered (Health Interventions)	28+	Rural Clinics Operational	7 villages	Mobile Health Care Units (MHCU) Coverage	28 villages & fishing settlements	Total Healthcare Beneficiaries (Direct)	39,000+ persons	Service Type	Beneficiaries	Rural Clinics	13,640	Mobile Health Care Units (MHCU)	16,226	Specialty Health Camps	5,253	General, Student & Eye Care Camps	3,848
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							Bhagwat Katha – Medical Camp Beneficiaries	3,163+
							Navratri Pilgrim Medical Camp	Conducted
							Child Health Care Programme (Bidada Trust)	7,500 students
10.5	Due to rapid economic development in the region, several employment opportunities can be generated to the local people. When the area is fully developed by the end of 2030, the working population of the Mundra taluk would increase from current level		APSEZ has been giving preferences to people from Gujarat for providing employment opportunities based on eligibility and skills. In Mundra, special programmes have been conducted by Adani Foundation to enhance the employability of youth from fisherfolk communities.	APSEZ is committed to provide support for fishermen livelihood activities and has submitted a detailed 5 years plan to MoEF&CC with a total budget of Rs.13.5 Cr.	APSEZ	Short Term	<u>Fishermen livelihood development activities during FY 2025-26:</u> ➤ Women Empowerment & SHGs ○ 15 women-led SHGs supported as micro-enterprises. ○ Total turnover: ₹3.27 crore ○ Total profit: ₹1.05 crore ○ 150+ women direct beneficiaries. ○ Enterprises included food processing, cleaning services, stitching, handicrafts, beauty services, and agri-based activities. ➤ Anganwadi Outreach: Child–mother sessions on health, hygiene, nutrition & safety ➤ Mothers’ Meetings: 325 no. women -Structured sessions on hygiene, nutrition, mental health & parenting. ➤ Fisher Folk Community Programs: Sessions on menstrual health, anemia, mental health & adult education	

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	of 55,000 to as high as 4,00,000, which will be 45% of the total envisaged population in Mundra Taluk by the end of 2030.		Based on the need assessment results, several livelihood options have been introduced by the Adani Skill Development Centre, Mundra. In these centres, youth can join and get vocational training for a number of technical and non-technical skills. An industrial Training Institute is set up at APSEZ, Mundra, to enhance the skill levels of the local				➤ Artisan Card Support: 63 women - Artisan cards were provided to women to support livelihoods and recognize their skills. ➤ Training & Skill Development: 477 mothers - Training in beauty, mehendi, and handicrafts promoted women's skills and self-reliance. ➤ Job Sourcing: 305 candidates - Adani Foundation facilitated interview opportunities for community members, supporting access to employment. Fisherfolk & Coastal Livelihoods FY 2025-26 <table><tr><th>Indicator</th><th>Numbers</th></tr><tr><td>Fisherfolk Villages Covered</td><td>Coastal villages of Mundra & Mandvi</td></tr><tr><td>Fisherfolk Students Supported (Education Kits)</td><td>95</td></tr><tr><td>Students Provided Safe Transport</td><td>101</td></tr><tr><td>Scholarships Provided to Fisherfolk Students</td><td>31 students</td></tr><tr><td>Scholarship Amount Disbursed</td><td>₹3,70,052</td></tr><tr><td>Fisheries Scheme Linkages Facilitated</td><td>195 beneficiaries</td></tr><tr><td>Mangrove Plantation Saplings (Livelihood Linked)</td><td>10,000 planted</td></tr><tr><td>Mangrove Nursery Saplings Developed</td><td>15,000</td></tr></table>	Indicator	Numbers	Fisherfolk Villages Covered	Coastal villages of Mundra & Mandvi	Fisherfolk Students Supported (Education Kits)	95	Students Provided Safe Transport	101	Scholarships Provided to Fisherfolk Students	31 students	Scholarship Amount Disbursed	₹3,70,052	Fisheries Scheme Linkages Facilitated	195 beneficiaries	Mangrove Plantation Saplings (Livelihood Linked)	10,000 planted	Mangrove Nursery Saplings Developed	15,000
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			youth to maximum possible extent.				Social Inclusion Initiatives: Adani Mangal Seva: 500 married women with disabilities received ₹10 lakh fixed-deposit support each. - Ensured long-term financial security, dignity, and independence. Divyang Support: 1,774 persons with disabilities supported through mobility aids, livelihood tools, and education assistance. 2,484 beneficiaries linked with government schemes, enabling ₹1.34 crore annual benefits. Culture & Community Engagement: Bhagwat Katha organized for 1,00,000+ participants, integrating medical camps, food distribution, and local economic opportunities. - Coastal clean-up drives, women's empowerment events, disability day celebrations, talent programs, and employee volunteering strengthened community bonding and cultural preservation. Agriculture & Animal Husbandry: 16,239 cattle benefited through vaccination, deworming, and veterinary services. Over 3 million kg of fodder distributed during drought and summer months.

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							○ Drip irrigation support enabled farmers to reclaim barren land and improve crop productivity. <table><thead><tr><th>Indicator</th><th>Numbers</th></tr></thead><tbody><tr><td>Villages Covered (Livestock Support)</td><td>24</td></tr><tr><td>Cattle Owners Benefitted</td><td>1,930</td></tr><tr><td>Total Cattle Benefitted</td><td>16,239</td></tr><tr><td>Veterinary Camps Conducted</td><td>7 villages</td></tr><tr><td>Dry Fodder Distributed</td><td>6,91,730 kg</td></tr><tr><td>Green Fodder Distributed</td><td>24,27,443 kg</td></tr><tr><td>Deworming Tablets Distributed</td><td>200+</td></tr><tr><td>Farmers Supported with Irrigation (Drip)</td><td>Selected farmers</td></tr><tr><td>Agricultural Water Storage Created</td><td>22,500+ cubic meters</td></tr></tbody></table> Digital & Financial Livelihood Enablement (Women) <table><thead><tr><th>Indicator</th><th>Numbers</th></tr></thead><tbody><tr><td>Villages Covered (Digital Literacy)</td><td>16</td></tr><tr><td>Awareness Meetings Conducted</td><td>19</td></tr><tr><td>Rural Women Trained</td><td>1,000+</td></tr><tr><td>Topics Covered</td><td>Banking, savings, insurance, pensions,</td></tr></tbody></table>	Indicator	Numbers	Villages Covered (Livestock Support)	24	Cattle Owners Benefitted	1,930	Total Cattle Benefitted	16,239	Veterinary Camps Conducted	7 villages	Dry Fodder Distributed	6,91,730 kg	Green Fodder Distributed	24,27,443 kg	Deworming Tablets Distributed	200+	Farmers Supported with Irrigation (Drip)	Selected farmers	Agricultural Water Storage Created	22,500+ cubic meters	Indicator	Numbers	Villages Covered (Digital Literacy)	16	Awareness Meetings Conducted	19	Rural Women Trained	1,000+	Topics Covered	Banking, savings, insurance, pensions,
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							digital payments, fraud prevention APSEZ is carrying out various initiatives specific to the Fisherfolk community which includes: ❖ Vidya Deep Yojana ❖ Vidya Sahay Yojana – Scholarship Support ❖ Adani Vidya Mandir ❖ Fisherman Approach in SEZ ❖ Machhimar Arogya Yojana ❖ Machhimar Kaushalya Vardhan Yojana ❖ Machhimar Sadhan Sahay Yojana ❖ Machhimar Awas Yojana ❖ Machhimar Shudhh Jal Yojana ❖ Sughad Yojana ❖ Machhimar Akshay kiran Yojana ❖ Machhimar Suraksha Yojana ❖ Machhimar Ajivika Uparjan Yojana ❖ Bandar Svachhata Yojana These initiatives are planned for the period 2016 – 2021 with a committed expense of INR 13.5 Cr as submitted earlier in detail in the report namely “Silent Transformation of Fisher folk at Mundra”, Till, Mar’26 approx. 17.35 Cr. INR, has already been spent in support for fishermen livelihood activities. Further, details regarding the expenditure incurred against the commitment are attached as Annexure – 11.

Annexure – 13

Updated Organogram of Environment Management Cell, APSEZ, Mundra

