

APSEZL/EnvCell/2025-26/086**Date:** 22.11.2025

To,

The Inspector General of Forest / Scientist C,

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

Sub : Half yearly Compliance report for Environment and CRZ Clearance for the "Multi Product SEZ, Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited"

Ref :

1. Environment and CRZ clearance granted to M/s Adani Ports and SEZ Limited vide letter dated 15th July 2014 bearing MoEF&CC letter No. 10-138/2008-IA.III.
2. MoEF&CC's Order dated 18.09.2015
3. Amendment in EC & CRZ Clearance vide letter dated 15th July 2022 bearing MoEF&CC letter No. 10-138/2008-IA.III
4. Amendment in EC & CRZ Clearance for extension of validity vide letter dated 21st June 2025 bearing MoEF&CC letter No. 10-138/2008-IA.III

Dear Sir,

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

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

Kindly consider the above submission and acknowledge.

Thank you,

Yours Faithfully,

For, **M/s Adani Ports and Special Economic Zone Limited**

Bhagwat Swaroop Sharma
HEAD – ENVIRONMENT
Mundra & Tuna Port

Encl: As above**Copy to:**

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

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CIN: L63090GJ1998PLC034182

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

Environmental Clearance Compliance Report



Multi Product SEZ,
Mundra, Dist. Kutch, Gujarat

Adani Ports and SEZ Limited

For the period of
April-2025 to September-2025

Status of the conditions stipulated in Environment and CRZ Clearance

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

EC and CRZ Clearance Compliance Report

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

M/s. APSEZ has been granted Environmental / CRZ clearance vide letter no. 10-138/2008-IA.III, dated 15th July, 2014 for development of "Multi Product SEZ, Desalination, Sea Water Intake, Outfall Facility and Pipeline".

Activities / Facilities approved are as below:

Facilities / Components Approved	Capacity	Status as on 30.09.2025
Desalination Plant	150 MLD	Construction has not been started.
Sea water Intake & Outfall Facility	375 MLD: Intake 241 MLD: Outfall	Construction has not been started.
Common Effluent Treatment Plant	17 MLD	MPSEZ Utilities Ltd. (MUL) has been granted environmental clearance for CETP having 17.0 MLD capacities. Out of which at present one module of CETP having 2.5 MLD capacities has been constructed and is in operation.
	50 MLD	Construction has not been started.
Social Infrastructure Projects	--	Adani Mundra SEZ Infrastructure Pvt. Ltd. (AMSIPL) has granted environmental clearance for township and area development project in 255 Ha. Out of approved 10,000 no. of residential units, 1917 units are constructed.
Sewage Treatment Plant	62 MLD	APSEZ has installed Sewage Treatment Plant @ 2.835 MLD (335 KLD SEZ-STPs + 2.5 MLD AMSIPL-STP) Capacities within SEZ for treatment of sewage generated from port user buildings.
Airstrip	--	Airstrip has been developed within SEZ area after obtaining requisite permissions.
Municipal Solid Waste Site	--	Material Recovery site is provided for the management of Municipal Solid Waste.
Free Trade & Ware House Zone (FTWZ)	--	Construction is completed and in operation.

Other utility developments and modification, as a part of SEZ, to facilitate various units coming as a part of SEZ are being done on continuous basis.

Note:

Environmental / CRZ clearance has been granted for additional facilities like Processing Zones, Non-processing Zones, Warehousing Zones, Road Network (Trunk as well as Internal), Bridges or Culverts over natural drain, Rail Network, IT-Telecommunication Network, Electric Network, Water Supply, Conservation & Drainage Network, Effluent Collection Network and Utilities & Supporting Infrastructure within SEZ area.

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

Boundary wall is constructed along the project periphery. In some of areas level raising and area development of SEZ area, wherever required is also under progress.

APSEZ has been granted Environment and CRZ clearance for 'Expansion of notified Multi-product SEZ by adding 1840 Ha notified SEZ with existing approved area of 6641.2784 ha to make it 8481.2784 ha at Mundra vide letter no. F. No. 10-138/200E-IA.III, dated 12th February, 2020. (Compliance report of the said EC & CRZ clearance is being submitted separately)

*Inline to the APSEZ's request, Ministry of Commerce & Industry (MoCI) vide Gazette order dtd. 4th July 2019 has de-notified 46.6894 from total area of 8481.2784 Ha, thereby making resultant area of notified Multiproduct SEZ as 8434.5890 Ha.

**After that Inline to the APSEZ's request, Ministry of Commerce & Industry (MoCI) vide Gazette order dtd. 29th November, 2021 and 21st September, 2022 has de-notified 200.405 Ha from total area of 8434.5890 Ha, thereby making resultant area of notified Multiproduct SEZ as 8234.184 Ha. Copy of MoCI Gazette Notification dated 21st September, 2022 submitted during the last compliance period Apr'22 to Sep'22.

**After that again Inline to the APSEZ's request, Ministry of Commerce & Industry (MoCI) vide Gazette order dtd. 11th February, 2025 has de-notified 333.7396 Ha from total area of 8234.184 Ha, thereby making resultant area of notified Multiproduct SEZ as 7900.4444 Ha. Copy of MoCI Gazette Notification dated 11th February, 2025 was submitted during the compliance submission for the period Oct'24 to Mar'25.

APSEZ has been granted for Amendment in Specific Conditions of EC & CRZ Clearance vide File No. 10-138/2008-IA.III, dated 15th July, 2022.

APSEZ has been granted for Extension of validity for EC & CRZ Clearance vide File No. 10-138/2008-IA.III, dated 21st June, 2025. The Copy of the same is attached as **Annexure – A**.

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

List of Industrial Units within SEZ area

SN	Name of SEZ Unit	Business	Status
1	GSPC LNG Limited	Regasification of LNG	Operational
2	Adani Harbour Services Pvt Ltd	Service Provider Marine Operations	Operational
3	Moana Impex	Trading Service	Operational
4	Borochemie India Private Limited	Trading Unit	Under Construction
5	Mundra Crude Oil Terminal Private Limited	Warehousing of Crude Oil	Under Construction
6	Adani Container Terminal Limited Unit I	Container Terminal Operations	Under Construction
7	Adani Container Terminal Limited Unit II	Container Terminal Operations	Under Construction
8	Mumbai Travel Retail Pvt Ltd	Trading Service	Operational
9	Dorf Ketel Chemical India Pvt. Ltd.	Chemical	Operational
10	Garg Tubes Export LLP Ltd.	Chemical	Operational
11	Gujarat Credo Alumina Chemicals Pvt. Ltd	Chemical	Operational
12	Mundra Oil Pvt Ltd (Unit I)	Chemical	Operational
13	Mundra Oil Pvt Ltd (Unit II)	Chemical	Operational
14	Oriental Carbon & Chemicals Pvt. Ltd.	Chemical	Operational
15	Jesons Techno Polymers LLP	Chemical	Operational
16	Mundra Petrochem Limited Unit I	Chemical	Under Construction
17	Mundra Petrochem Limited Unit II	Chemical	Under Construction
18	Shital Metalics ans Additives LLP	Chemical	Under Construction
19	Adani Container Manufacturing Ltd	Container Manufacturing	Under Construction
20	Avesta Engineering Pvt. Ltd.	Engineering	Under Revival of LoA
21	MD Equipments Pvt. Ltd.	Engineering	Operational
22	Thermax Babcock and Wilcox Energy	Engineering	Operational
23	JNK India Pvt Ltd	Engineering	Operational
24	Britannia Industries Ltd.	Food Products	Operational
25	Hehong Paper India Technology Pvt Ltd	Paper	Operational
26	Ahlstorm Munksjo Fibercomposites India Pvt. Ltd.	Textile	Operational
27	Audax Protective Fabrics Pvt Ltd (Previous Name: Ashapura Garments Ltd)	Textile	Under Construction
28	Anjani Udyog Pvt. Ltd.	Textile	Operational
29	Bombay Bazar Readymade Garments Unit I	Textile	Operational
30	Bombay Bazar Readymade Garments Unit II	Textile	Operational
31	Skaps Industries India Pvt. Ltd (Unit-I)	Textile	Operational
32	Skaps Industries India Pvt. Ltd (Unit-II)	Textile	Operational
33	Terram Geosynthetics Pvt. Ltd.	Textile	Operational
34	Anya Composite Private Limited	Textile	Operational
35	Adani Enterprise Limited	Trading Unit	Operational
36	Planets F&B Park	Trading Unit	Operational
37	Ruby Shipping	Trading Unit	Operational
38	Suresh Biz Globe	Trading Unit	Operational
39	Adani CMA Mundra Terminal Pvt Ltd.	Warehouse	Operational
40	Adani Warehousing Services Pvt Ltd. Unit I	Warehouse	Operational
41	Adani Warehousing Services Pvt Ltd. Unit II	Warehouse	Under Construction
42	Empezar Logistics Pvt.Ltd.	Warehouse	Operational
43	Fast Track CFS Pvt. Ltd.	Warehouse	Operational
44	Kerry Indev Logistics Pvt. Ltd.	Warehouse	Operational
45	Oil Field Warehouse & Services Pvt. Ltd.	Warehouse	Operational
46	OWS Warehouse Services LLP	Warehouse	Operational
47	Safal Logistics LLP	Warehouse	Operational
48	Steinweg Sharaf India Pvt Ltd.	Warehouse	Operational
49	Sea Shore Logistics	Warehouse	Operational
50	Rudraksh Terminal LLP	Warehouse	Operational
51	Adani Logistics Limited	Warehouse	Operational
52	Shoolin Trade Link LLP	Warehouse	Operational

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

53	Shivansh Terminals LLP	Warehouse	Operational
54	Holistic Global Corporation	Warehouse	Operational
55	Adani Warehousing Services Pvt Ltd. Unit III	Warehouse	Under Construction
56	Adani Bulk Terminals (Mundra) Ltd	Warehouse	Under Construction
57	Adani International Container Terminal Pvt. Ltd.	Warehouse	Operational
58	Adani Renewable Energy (KA) Ltd.	Wind Energy	Operational
59	Fast Track CFS Pvt. Ltd.	Warehouse	Operational
60	Konic Expo Private Limited	Trading and Warehousing Unit	Under Construction
61	DS Port Services	Warehousing Unit	Under Construction
62	APMuL (Adani Power Mundra Limited)	Thermal Power Plant	Operational
63	AMSIPL (Adani Mundra SEZ Infrastructure Pvt. Ltd)	Social Infrastructure	Operational
64	MITAP (Mundra Integrated Textile And Apparel Park Pvt. Ltd)	Textile Apparel Park	Operational
65	MUL (MPSEZ Utilities Ltd)	CETP and DISCOM	Operational
66	DB Hospitality	Hotel	Non-Operational
67	AICTPL (Adani International Container Terminal Pvt. Ltd)	Container Terminal	Operational
68	AHMPL (Adani Hospital Mundra Pvt. Ltd)	Multi-Speciality Hospital	Operational
69	MIAPL (Mundra International Airport Pvt. Ltd.)	Airstrip	Operational
70	HHPL (Hirise Hospitality Pvt. Ltd)	Hotel	Operational
71	Kevalam Foundation and Calorx Foundation Trust	School	Operational
72	Eon Hinjewadi Infrastructure Pvt. Ltd.	Hotel	Non-Operational
73	ITI-Mundra (Govt. of Gujarat)	ITI	Operational
74	Mundra LNG Ltd.	Gas Distribution	Operational
75	Gujarat State Petronet LNG Limited	LNG Terminal	Operational
76	Adani LPG Terminal Pvt Ltd (MLTPL)	LPG Terminal	Operational
77	Sarguja Rail Corridor Pvt Ltd.	Rail Corridor	Operational
78	Adani Total Gas Limited.	Gas Distribution	Operational
79	Blue Star Realtors Ltd.	Integrated Solution (Redi met Facility)	Under Construction
80	Monarch Skyline	Hotel	Under Construction
81	Arsan Infra Ltd.	Infrastructure Developer	Under Construction

Land use Development within Multi-Product SEZ

S. No.	Land Use Classification	MSEZ-6641.2784 Ha Land Use Details		
		Total Approved Land (Ha) as per EC	Existing Developed (Ha)	Under Development / Vacant Land (Ha)
1	Industries & Port Back-up	3,731.47	1,227.25	2,504.21
2	Total Supporting Infrastructure (Green/ Open Space/ Transportation/ Utilities/ Facilities)	2,909.81	2,305.22	604.59
Total		6,641.28	3,532.48	3,108.80
%		100	53	47

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

Compliance Report of Environmental and CRZ Clearance

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

Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014.

Sr. No.	Conditions	Compliance Status as on 30.09.2025
Part – A: Specific Conditions		
i.	PP shall abide by the final order/decision of Hon'ble Supreme Court in SLP (Civil) no. 1526/2014 and connected matters.	<p>Point noted and will be complied.</p> <p>Vide order dated 14.07.2014, the Hon'ble Supreme Court directed MoEF&CC to complete the process of environmental clearance to the MPEZ project of APSEZ within eight weeks. MoEF&CC issued EC and CRZ clearance to the proposed project vide letter dated 15.07.2014. Hence, the SLP (Civil) no. 1526/2014 is deemed closed. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.</p>
ii.	Properly conserve the creeks, river and the mangroves area in the area.	<p>Complied.</p> <p>This reply covers condition no ii, iii, ix, x, xi, xii & xiii.</p> <p><u>Conservation of creeks and rivers:</u></p> <ul style="list-style-type: none"> • 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). • Rivers passing through the APSEZ area are: (1) Khari (2) Nagmati (3) Phot (4) Bhukhi (5) Dhaneshwari (6) Buchiya (7) Jidal. • All the rivers passing through the SEZ area are dry throughout the year except for monsoon season. • All creeks as well as rivers are in existence allowing free flow of water and there is no filling or reclamation of any creek or river area. 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. Details were submitted along with compliance report submission for the

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>period of Apr'17 to Sep'17.</p> <ul style="list-style-type: none"> • 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. • From the APSEZ operations, there is no discharge of any sewage or effluent to the water streams. <p>To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, recently APSEZ has awarded the work order to NCSCM, Chennai vide order no. 4802055905, dated 24/09/2024 with cost 45.87 Lacs for mangrove mapping in and around APSEZ March 2021 to March 2023.</p> <p>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.</p> <ul style="list-style-type: none"> • 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. • 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 is attached as Annexure – 1.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025												
		<p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken the following activities.</p> <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> <ul style="list-style-type: none"> • 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 observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase. • 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 is attached as Annexure - 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ. </td></tr> <tr> <td>2.</td><td>Tidal observation in creeks in and around APSEZ</td><td> <ul style="list-style-type: none"> • 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. </td></tr> <tr> <td>3.</td><td>Removal of Algal and Prosopis growth from mangrove areas</td><td> <ul style="list-style-type: none"> • 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 Rs. 1,50,000 during FY 2024-25. The algal </td></tr> </table>	Sr. No.	Recommendations	Compliance	1.	Mangrove mapping and monitoring in and around APSEZ	<ul style="list-style-type: none"> • 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 observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase. • 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 is attached as Annexure - 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ. 	2.	Tidal observation in creeks in and around APSEZ	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 Rs. 1,50,000 during FY 2024-25. The algal
Sr. No.	Recommendations	Compliance												
1.	Mangrove mapping and monitoring in and around APSEZ	<ul style="list-style-type: none"> • 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 observed that there was a stable growth in mangrove cover approximately 2 hectares, accounting for about a 0.08% increase. • 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 is attached as Annexure - 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ. 												
2.	Tidal observation in creeks in and around APSEZ	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 Rs. 1,50,000 during FY 2024-25. The algal 												

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025		
				removal report was submitted during the compliance period Oct'24 to Mar'25.
		4.	Awareness of mangroves importance in surrounding communities	<ul style="list-style-type: none"> 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 36 Villages. Dry Fodder 8,65,965 Kg Green – 30,75,945 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25, 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 during the compliance period Apr'24 to Sep'24. Refer CSR report attached as Annexure – 2.
iii.	Ensure that mouths of all the creeks are kept open to ensure flushing of the creeks.	<p>Complied.</p> <ul style="list-style-type: none"> 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 recent study of NCSCM 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. 		

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<ul style="list-style-type: none"> Please refer Specific Condition no. ii for further details.
iv.	Bring the creeks to the condition as was seen in the satellite map of 2005 which will be a "reference" satellite map and a copy of which shall be sent to you separately.	<p>Not applicable</p> <p>This reply covers condition no iv, v, vi.</p> <p>The stated conditions were stipulated in the EC and CRZ clearance with respect to the pending SCNs and based on Ms. Sunita Narain committee report. In continuation to the SCNs and subsequent submissions by APSEZ, MoEF&CC issued a final order vide letter dated 18.09.2015 (which disposed the pending Show Cause Notices). Full compliance of the directions issued vide the said order is provided as Annexure – B.</p>
v.	Submit once in a year latest satellite map which can be compared with the reference satellite map of 2005 to ensure that no modifications in the creeks, rivers, mangroves and mouth of creeks have taken place.	
vi.	Any direction issued by the MoEF with respect to the report submitted by Ms. Sunita Narain Committee shall be complied with by the Proponent as applicable.	<p>It may be noted that the stated conditions related to the satellite image of 2005 are not imposed to APSEZ as part of the said order. Hence, APSEZ has made submission to MoEF&CC vide letters dated 23.05.2016 and 07.11.2016. Copies of the said letters were submitted along with compliance report submission for the period from Oct'16 to Mar'17. Further there are no directions from MoEF&CC.</p>
vii.	At its cost get Inspection study done once in a year by the organizations like NEERI or any organization approved by this Ministry to - (i) ensure compliance of all the EC conditions (ii) development of SEZ meeting of the environment norms, and (iii) advise any mid-term correction that can be introduced depending on the recommendation of the independent Third Party.	<p>Complied.</p> <p>APSEZ has awarded the SO to CSIR - National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram (Kerala) vide service order no. 5702022305, dated 25/12/2024 with cost 8.0 Lacs to carry out the Inspection study for complying with this condition.</p> <p>The latest site visit has conducted on 7th & 8th Apr'2025 for the compliance report verification of the period from Apr'24 to Sep'24 has reviewed by NIIST, Thiruvananthapuram. It has been concluded all the conditions stipulated in EC are being complied and there is no violation of any condition. Copy of the certificate was submitted during the compliance submission for the period Oct'24 to Mar'25.</p>
viii.	"Consent for Establishment" for	Complied.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
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Sr. No.	Conditions	Compliance Status as on 30.09.2025																				
	the SEZ shall be obtained from Gujarat Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	<p>Consent to Establish (CtE) is obtained for the project from Gujarat Pollution Control Board vide their letter no. GPCB/CCA-KUTCH-1044/ GPCB ID 31463/109800, dated 16.04.2012. Copy of the same was submitted to MoEF&CC, Regional Office, Bhopal vide our letter dated 5th Aug, 2014. The CtE was also submitted with compliance report submission for the period Oct'15 to Mar'16.</p> <p>The project has been developed as per Consent to Establish (CtE) and Consent to Operate (CtO) granted by SPCB. The present in-force CtO are mentioned below.</p> <table><tr><th>S. N o.</th><th>Permission</th><th>Project</th><th>Ref. No. / Order No.</th><th>Valid till</th></tr><tr><td>1</td><td>CC&A – Renewal Cum Amendment</td><td>Multi-Product SEZ</td><td>AWH – 122250</td><td>21.08.2027</td></tr><tr><td>2</td><td>ToR to CTE</td><td>Industrial Park/SEZ (1576.81 Ha)</td><td>CTE-79275</td><td>27.01.2032</td></tr><tr><td>3</td><td>CTE- Amendment for Validity Extension</td><td>Multi-Product SEZ</td><td>CTE-147656</td><td>14.07.2026</td></tr></table> <p>Consolidated Consent & Authorization (CC&A) – Renewal Cum Amendment order granted vide Consent No. AWH-122250 Valid upto: 21/08/2027. The copy of Consolidated Consent & Authorization (CC&A) – Renewal Cum Amendment was submitted during the compliance period Apr'22 to Sep'22.</p> <p>GPCB has granted ToR to CTE for the development of 1576.81 Ha SEZ/IP as a part of expansion project of 8481.2784 Ha. vide CTE No.-79275 Valid up to: 27/01/2032. The copy of order was submitted during the compliance submission for the period Oct'24 to Mar'25.</p> <p>The permission copy (Sr. No. 3) for CTE Validity Extension is attached as Annexure – 3.</p>	S. N o.	Permission	Project	Ref. No. / Order No.	Valid till	1	CC&A – Renewal Cum Amendment	Multi-Product SEZ	AWH – 122250	21.08.2027	2	ToR to CTE	Industrial Park/SEZ (1576.81 Ha)	CTE-79275	27.01.2032	3	CTE- Amendment for Validity Extension	Multi-Product SEZ	CTE-147656	14.07.2026
S. N o.	Permission	Project	Ref. No. / Order No.	Valid till																		
1	CC&A – Renewal Cum Amendment	Multi-Product SEZ	AWH – 122250	21.08.2027																		
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ix.	PP shall get detailed	Complied																				

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	<p>bathymetry done for all the creeks and rivers within Port and SEZ areas along with mapping of co-ordinates, running length, HTL, CRZ boundary, mangrove area including buffer zone through NCSCM /NIOT. PP shall also get prepared a detailed action plan for conservation and protection of creeks /mangrove area etc through NCSCM/NIOT and submit the same to GCZMA for their examination and recommendation. GCZMA will submit its recommendations to MoEF for approval.</p>	<p>Based on the MoEF&CC directions, APSEZ has entrusted NCSCM to carry out the detailed study. Scope of the study includes the following:</p> <ul style="list-style-type: none"> • Detail bathymetry and topography survey of creeks • Demarcation of mangrove areas and buffer zone • Demarcation of HTL and CRZ areas with co-ordinates • Preparation of a comprehensive and integrated conservation plan for protection of creeks and mangroves <p>In order to complete the study, NCSCM has carried out number of site surveys which are mentioned below:</p> <ul style="list-style-type: none"> • Bathymetry survey of creeks • Topography survey of intertidal areas • Mangrove survey (health and area demarcation) • Sampling of soil and water for analysis of physico-chemical and biological parameters • Tide and currents data collection (including residence time of tidal water) study <p>Based on the study, the following points can be summarized:</p> <ul style="list-style-type: none"> • There is no obstruction to any water stream (creeks / branches of creeks / rivers) • 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. • Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011

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Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>(2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report is attached as Annexure - 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ.</p> <ul style="list-style-type: none"> Majority of the development at Mundra has happened between this tenure. Hence it can be interpreted that the infrastructure development has not left any adverse impacts on ecology. <p>Please refer specific condition no. ii above for further details.</p>
x.	<p>PP shall demarcate the CRZ area on land with GPS coordinates in consultation with GCZMA/ the agency which has done the HTL /LTL demarcation for the area.</p> <p>There shall be no allotment of plot/s in CRZ area to industries. No industrial activity within CRZ area except the port and harbor & the foreshore facilities shall be allowed as committed.</p>	<p>Being complied</p> <p>CZMP of Kutch region has been finalized and published on GCZMA website in the Month of Feb-2022. NCSCM has issued final authorized maps for HTL and CRZ Boundary prepared in line with approved CZMP of Gujarat State as per CRZ Notification, 2011. The details of the same were submitted during the compliance period Oct'21 to Mar'22.</p> <p>As per the approved map of CZMP Kutch region APSEZ has demarcated the HTL boundary line within APSEZ area. Photographs of the demarcated HTL boundary line were submitted along with EC Compliance report for the period Apr'23 to Sep'24.</p>
xi.	<p>Till the approval of action plan for conservation and protection of creeks /mangrove area, the CRZ area within SEZ shall be demarcated as "No Development Zone". PP shall not allow / undertake any development in CRZ area of SEZ.</p>	<p>The action plan for conservation of creeks and mangrove areas is prepared by NCSCM and the same is submitted to GCZMA and MoEF&CC for their examination and recommendation. The main action plan as per the study are mentioned summarized below:</p> <ul style="list-style-type: none"> Monitoring of mangrove cover in Jan/Mar, 2020 using latest satellite images and validation with field observations Monitoring of tidal range in the mangrove areas and comparison with the data collected during 2017. Removal of silt / sand spits from the central part of

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Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>navinal creek</p> <ul style="list-style-type: none"> Dredging of shallow area off Bocha Island to reduce current velocity. <p>Please refer specific condition no. ii for further details w.r.t. Mangrove Conservation Action Plan.</p> <p>On dated 15/07/2022 MoEF&CC issued an amendment in EC & CRZ Clearance by imposing new four conditions in place of condition no. x & xi. The copy of EC amendment order was submitted during the earlier compliance period Apr'22 to Sep'22.</p> <p>Full compliance of conditions of the above issued EC & CRZ amended order provided as Annexure – C.</p>
xii.	The implementation of action plan approved by the MoEF shall be monitored by the NCSCM/NIOT. Compliance with action plan shall be submitted to GCZMA and to MoEF, RO at Bhopal along with six monthly monitoring report.	<p>Point noted and being complied.</p> <p>The action plan for conservation of creeks and mangrove areas is prepared by NCSCM and the same was submitted to GCZMA and MoEF&CC for their examination and recommendation.</p> <p>Please refer specific condition no. ii for further details w.r.t. Mangrove Conservation Action Plan.</p>
xiii.	PP shall earmark separate budget for the implementation of the above action plan. The details of the expenditure shall be submitted to GCZMA and to MoEF, RO at Bhopal along with six monthly monitoring report.	<p>Point noted and being complied.</p> <p>A separate budget has been allocated and incurred by APSEZ for implementation of mangrove conservation action plan.</p> <ul style="list-style-type: none"> Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island was 23.56 Lacs 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 Rs. 150000 during FY 2024-25. The algal removal report was submitted during the compliance submission for the period Oct'24 to Mar'25. Tide Level Monitoring within creeks around APSEZ – 1.0 Lac

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Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<ul style="list-style-type: none"> Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25 which has incurred by APSEZ. This activity is being done on a continuous basis as a part of CSR activity. <p>Please refer specific condition no. ii above for further details.</p>
xiv.	All the industry in SEZ shall be connected through impervious drainage lines to the STP/CETP for the discharge of their sewage or industrial effluent. There shall not be any discharge to creeks / rivers. PP shall be accountable for implementing this condition and necessary clause shall be incorporated in the MoU while allotting the plot to the individual industries.	<p>Complied.</p> <p>As per the Lease Deed agreement, existing industries are well connected with impervious pipeline to discharge their effluent / sewage after confirming to the inlet norms of CETP. Typical copy of the Lease Deed (Agreement) was submitted along with compliance report submission for the duration of Oct'16 to Mar'17.</p> <p>Entire quantity of treated wastewater from CETP is being utilized for horticulture purpose within SEZ area. No discharge is allowed into creeks / rivers. Same practice will be continued in future as well and capacity enhancement of CETP will be carried out based on requirement.</p> <p>List of CETP member units were submitted along with half yearly EC compliance report for the period Oct'19 to Mar'20. And there is no further change.</p> <p>The industries which treat the sewage / effluent within their premises comply the stipulated norms of discharge given by GPCB. Through regular monitoring it is ensured by APSEZ that the treated water is used for gardening within the respective industries and there is no discharge to any water body including rivers or creeks.</p>
xv.	PP shall not carry out any river course modification.	<p>Complied</p> <p>The project was conceptualized in such a way that no river course modification is required to be carried out. All the rivers passing through SEZ are maintained</p>

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		through proper path for area drainage.
xvi.	The individual industrial units shall obtain prior EC under EIA Notification, 2006 as applicable.	<p>Complied.</p> <p>All industrial units coming up in within the SEZ are informed and aware about the said requirement. Out of total units established within SEZ, only Adani Power Limited, Dorf Ketel, Jesons Techno Polymers LLP, Kutch Copper Limited (KCL) and Mundra Petrochemicals Ltd. (MPL) Industries falls under purview of EIA Notification 2006 and they have obtained their specific EC as applicable. The condition is being followed on case-to-case basis as applicable.</p>
xvii.	Proponent shall identify 200 ha of land for mangrove plantation as per the condition laid by SEAC.	<p>Complied.</p> <p>100 Ha. Mangrove plantation is carried out by SAVE at Tala Tadav village of Khambhat Taluka of Anand district. A final report of SAVE was submitted along with half yearly compliance report for the period Apr'17 to Sep'17.</p> <p>100 Ha. Mangrove plantation is carried out by GEC. From which 38 ha. plantation is completed at Tala Tadav village of Khambhat Taluka of Anand district during 2017-18 and remaining 62 ha. Plantation is completed at Aliya Bet of Bharuch district during 2018-19. A final report of GEC was submitted along with half yearly compliance report for the period Oct'18 to Mar'19.</p>
xviii.	50 meter buffer from the existing mangrove area should be provided for any developmental activity.	<p>Complied.</p> <p>50-meter buffer from the existing mangrove area as per the CRZ notification is being maintained and all developmental activities are being carried out as per the approval only.</p>
xix.	Proponent shall develop the green belt with 3 layers of canopy all along the periphery.	<p>Being complied.</p> <p>APSEZ has developed "Dept. of Horticulture" which is taking measures/ steps for terrestrial greening as well as mangrove plantation. Development of greenbelt at various locations within the SEZ is an ongoing activity. Green belt of 3-layer canopy will be developed as part of the development of SEZ.</p>

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		<p>The species such as Ficus Infectoria, Ficus religiosa, Terminalia arjuna, Cocos nucifera, Washingtonia fillifera, Casurina spp., Azadirachta Indica, Eucalyptus spp., Jatropha curacus, Ficus bengalensis, Subabool spp., Casia fistula, Date Palm and Delonix regia were grown in SEZ area.</p> <p>Width of the green belt varies from 2 m to 8 m and density varies from 1500 to 1750 trees per hectare at various locations. Total 145.88 hectares of land with approx. 2.54 Lacs trees is developed within SEZ area till date. So, far APSEZ has developed 458 Ha area as greenbelt with plantation 9.06 Lacs trees within the entire APSEZ area.</p> <p>Please refer Annexure - 4 for further details regarding greenbelt development and mangrove afforestation. Budget for Horticulture Department for the FY 2025-26 is to the tune of INR 655 lakh. Out of which, Approx. INR 175 lakh has spent during the year FY 2025-26 till Sep'25.</p> <p>It may be noted that individual industrial units have developed the greenbelt within their premises based on their planning & approvals and new industries coming up any will also comply as per their approvals. The same is being ensured by the environment monitoring committee of APSEZ.</p> <p>For the area where further development is yet to be carried out, APSEZ will ensure that greenbelt with 3-layer canopy is developed by either APSEZ or the industrial unit to whom the land is allotted. Photographs showing the 3-layer canopy greenbelt developed within APSEZ were along with half yearly compliance report for the period Oct'18 to Mar'19.</p>
xx.	All the recommendation of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each	<p>Complied.</p> <p>Compliance report of EC conditions is uploaded regularly. A soft copy of last compliance report including results of monitoring data for the period of Oct'24 to Mar'25 was submitted through e-mail to Integrated Regional Office (IRO), MoEF&CC @</p>

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	mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.	<p>Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and Dept. of Forests & Env., Gandhinagar vide our letter dated 24.05.2025. The copy of the same is also available on our web site https://www.adaniports.com/ports-downloads as well as also uploaded on MoEF&CC Parivesh Portal dated 28.05.2025. Details of the past six compliance reports are mentioned below.</p> <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>Apr'22 to Sep'22</td><td>30.11.2022</td></tr> <tr> <td>2</td><td>Oct'22 to Mar'23</td><td>30.05.2023</td></tr> <tr> <td>3</td><td>Apr'23 to Sep'23</td><td>30.11.2023</td></tr> <tr> <td>4</td><td>Oct'23 to Mar'24</td><td>28.05.2024</td></tr> <tr> <td>5</td><td>Apr'24 to Sep'24</td><td>30.11.2024</td></tr> <tr> <td>6</td><td>Oct'24 to Mar'25</td><td>28.05.2025</td></tr> </tbody> </table> <p>Summary of the compliance to the measures suggested in EMP are given in Annexure – 5.</p>	Sr. No.	Compliance period	Date of submission	1	Apr'22 to Sep'22	30.11.2022	2	Oct'22 to Mar'23	30.05.2023	3	Apr'23 to Sep'23	30.11.2023	4	Oct'23 to Mar'24	28.05.2024	5	Apr'24 to Sep'24	30.11.2024	6	Oct'24 to Mar'25	28.05.2025
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xxi.	There shall be no disturbance to the sand dunes. The pipelines shall be laid using advanced method viz. Horizontal Directional Drilling (HDD) so as to avoid disturbance to the sand dunes/creeks/ mangroves.	<p>Complied.</p> <p>There is no sand dune in the SEZ area.</p> <p>Point noted.</p> <p>No pipelines for intake and outfall of sea water are laid till now and same will be studied as and when required. HDD method will be explored for creek crossing for other pipelines.</p> <p>APSEZ, Mundra has laid down 93.15 km. (approx.) long underground LPG pipeline starting from Mundra LPG Terminal Pvt. Ltd (MLTPL), Mundra to Kandla-Gorakhpur (KGPL) LPG pipeline. The LPG pipeline has been laid down using the Horizontal Directional Drilling (HDD) method without affecting the flow of the creek and mangrove where it is crossing through it. Some stretch of said LPG pipeline project is falling under CRZ area and hence attracts CRZ Notification, 2011. For which APSEZ has been granted separate CRZ clearance from MoEF&CC vide F. No. 11-9/2023.IA.III dated 05.04.2023. The copy of CRZ</p>																					

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Sr. No.	Conditions	Compliance Status as on 30.09.2025
		Clearance was submitted with compliance report submission for the period Apr'23 to Sep'23.
Part – B: General Conditions		
	Construction Phase	
i.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<p>Not applicable at present.</p> <p>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.</p>
ii.	A first aid room will be provided in the project both during construction and operation of the project.	<p>Complied.</p> <p>APSEZ has established Occupational Health Center & First Aid facility at different locations within SEZ, which will be utilized during entire construction as well as operation phase of SEZ project. In case of emergency situation requiring higher level of treatment, the facilities at Adani hospital (Multi-Specialty) having 100 bedded facilities located with SEZ area can be utilized.</p>
iii.	All the topsoil excavated during construction phase should be stored for use in horticulture/landscape development within the project site.	<p>Complied.</p> <p>Excavated topsoil, if any, will be used for the horticulture /landscape development within the project site.</p>
iv.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed, taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent	<p>Complied.</p> <p>No excavated muck has been generated and disposed-off. Construction waste, if any, is utilized for area development within the project site.</p>

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Sr. No.	Conditions	Compliance Status as on 30.09.2025																																																																																																										
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v.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	<p>Complied.</p> <p>Environment Monitoring is being carried out on regular basis in Port & SEZ areas through NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the ground water as well as soil assessment for duration from Apr'25 to Sep'25 is mentioned below.</p> <p>Bore Hole Water Sampling:</p> <p>Sampling locations & frequency: 4 nos. (Half Yearly)</p> <table><tr><th>Sr. No.</th><th>Parameter</th><th>Unit</th><th>MIN</th><th>MAX</th><th>AVERAGE</th></tr><tr><td>1</td><td>pH @ 25 ° C</td><td>--</td><td>7.38</td><td>8.36</td><td>7.82</td></tr><tr><td>2</td><td>Salinity</td><td>ppt</td><td>1.45</td><td>20.58</td><td>11.21</td></tr><tr><td>3</td><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>4</td><td>Hydrocarbon</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>5</td><td>Lead as Pb</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>6</td><td>Arsenic as As</td><td>mg/L</td><td>BDL(MDL:0.01)</td><td>BDL(MDL:0.01)</td><td>BDL(MDL:0.01)</td></tr><tr><td>7</td><td>Nickel as Ni</td><td>mg/L</td><td>0.099</td><td>0.119</td><td>0.05</td></tr><tr><td>8</td><td>Total Chromium as Cr</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>9</td><td>Cadmium as Cd</td><td>mg/L</td><td>BDL(MDL:0.003)</td><td>0.084</td><td>0.021</td></tr><tr><td>10</td><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>11</td><td>Zinc as Zn</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>12</td><td>Copper as Cu</td><td>mg/L</td><td>BDL(MDL:0.05)</td><td>0.101</td><td>0.05</td></tr><tr><td>13</td><td>Iron as Fe</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>14</td><td>Insecticides/Pesticides</td><td>µg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>15</td><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1.90</td><td>2.10</td><td>2.00</td></tr></table> <p>*BDL – Below Detection Limit *MDL – Minimum Detection Limit</p> <p>Comparison of the present data with baseline data for the nearest locations for Bore Hole water.</p> <table><tr><th>Sr. No.</th><th>Parameter</th><th>Unit</th><th>Dhrub station*</th><th>Zarpara village</th></tr><tr><td>1</td><td>pH</td><td>--</td><td>8.14</td><td>8.1</td></tr></table>	Sr. No.	Parameter	Unit	MIN	MAX	AVERAGE	1	pH @ 25 ° C	--	7.38	8.36	7.82	2	Salinity	ppt	1.45	20.58	11.21	3	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	4	Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected	5	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	6	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	7	Nickel as Ni	mg/L	0.099	0.119	0.05	8	Total Chromium as Cr	mg/L	Not Detected	Not Detected	Not Detected	9	Cadmium as Cd	mg/L	BDL(MDL:0.003)	0.084	0.021	10	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	11	Zinc as Zn	mg/L	Not Detected	Not Detected	Not Detected	12	Copper as Cu	mg/L	BDL(MDL:0.05)	0.101	0.05	13	Iron as Fe	mg/L	Not Detected	Not Detected	Not Detected	14	Insecticides/Pesticides	µg/L	Not Detected	Not Detected	Not Detected	15	Depth of Water Level from Ground Level	meter	1.90	2.10	2.00	Sr. No.	Parameter	Unit	Dhrub station*	Zarpara village	1	pH	--	8.14	8.1
Sr. No.	Parameter	Unit	MIN	MAX	AVERAGE																																																																																																							
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Status of the conditions stipulated in Environment and CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 30.09.2025				
		2	Lead as Pb	mg/L	BDL(MDL:0.01)	ND*
		3	Nickel as Ni	mg/L	BDL(MDL:0.02)	0.146
		4	Total Chromium as Cr	mg/L	BDL(MDL:0.05)	0.039
		5	Iron as Fe	mg/L	BDL(MDL:0.1)	0.258
		6	Insecticides/Pesticides	µg/L	ND	ND*
		7	Depth of Water Level from GL	meter	1.9	1.7
		*ND = Not Detected *BDL – Below Detection Limit *MDL – Minimum Detection Limit				
Soil Sampling: Sampling locations & frequency: 4 nos. (Half Yearly)						
Sr. No.	Parameter	Unit	Min. Value	Max. Value	Average	
1	pH	--	8.29	8.74	8.46	
2	Nitrogen as N	%	0.18	0.47	0.32	
3	Phosphorus as P	mg/kg	810.20	3868.20	1666.20	
4	Potassium as K	mg/kg	38.40	940.00	334.25	
5	Baron as B	mg/kg	1.62	2.46	1.97	
6	Calcium as Ca	mg/kg	354.20	2840.20	1087.35	
7	Magnesium as Mg	mg/kg	90.80	4240.60	1242.00	
8	Iron as Fe	%	0.74	1.42	1.06	
9	Moisture	%	0.39	1.26	0.83	
10	Organic Matter	%	0.96	1.44	1.26	
11	CEC	meq/100 gm	2.40	14.80	9.48	
12	TVC	CFU/gm	2.3 x 10 ⁶	2.5x 10 ⁶	2.38 x 10 ⁶	
Heavy Metal						
13	Cadmium as Cd	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	
14	Thorium as Th	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	
15	Antimony as Sb	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	
16	Arsenic as As	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	
17	Lead as Pb	mg/kg	7.11	14.82	9.82	
18	Chromium (VI) as Cr	mg/kg	2.49	7.42	4.12	
19	Cobalt as Co	mg/kg	8.02	11.21	9.31	
20	Copper as Cu	mg/kg	7.11	28.02	15.34	
21	Nickel as Ni	mg/kg	9.60	15.12	11.84	
22	Manganese as Mn	mg/kg	184.00	374.00	251.00	

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025					
		23	Vanadium as V	mg/kg	5.96	7.64	7.05
		*BDL – Below Detection Limit *MDL – Minimum Detection Limit					
		Comparison of the present data with baseline data for the nearest locations for Soil.					
		Sr. No.	Parameter	Unit	Dhrub station	Zarpara village	
		1	pH	--	8.29	6.45	
		2	Nitrogen as N	%	0.34	1.38 gm/kg	
		3	Phosphorus as P	mg/kg	810.2	1230	
		4	Potassium as K	mg/kg	940	62120	
		5	Calcium as Ca	mg/kg	2840.2	1500	
		6	Magnesium as Mg	mg/kg	4240.6	1580	
7	Iron as Fe	%	1.22	1.34			
8	Organic Matter	%	1.44	0.98			
9	CEC	meq/100 gm	14.8	7.4			
From the above results it can be inferred that							
<ul style="list-style-type: none">• The ground level in this area is saline in nature due to close proximity to the coast.• There is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.• There is no leaching of heavy metals and other toxic contaminants through soil.							
Please refer Annexure – 6 for detailed analysis reports. Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1173.79 lakh. Out of which, Approx. INR 463.43 lakh has spent during the year 2025-26 till Sep'25. Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 7 .							
vi.	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump	Complied.					
		Construction spoils including bituminous material is being kept at identified temporary storage area outside CRZ and is being utilized for area					

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	<p>sites for such material must be secured so that they should not leach into the ground water.</p>	<p>development purpose as and when required.</p> <p>Hazardous materials such as diesel, lube oil etc. are handled with utmost care and all applicable rules are followed. Storage area is provided with paving and spill kit to ensure there is no contamination to soil or ground water.</p> <p>Used/Waste Oil is 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, Ahmedabad. It is also being reused within organization for lubrication purpose. Oily rags are being disposed through co-processing at cement industries namely M/s. Ambuja Cement Ltd., Kodinar. Renewed copy of agreement with M/s. Ambuja Cement Ltd., Kodinar was submitted along with half yearly EC Compliance report for the period Oct'23 to Mar'24.</p> <p>Individual units within SEZ are handling their hazardous wastes as per Hazardous waste rules – 2016 after obtaining necessary permissions from GPCB.</p>
vii.	<p>Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat Pollution Control Board.</p>	<p>Complied.</p> <p>All the hazardous wastes are being handled as per Hazardous Waste Rules – 2016.</p> <p>Please refer Point No. vi (General Condition: Construction Phase) for further details.</p>
viii.	<p>The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.</p>	<p>Complied.</p> <p>Emergency DG sets are being used only as power back up source in case of power failure. Presently, cumulative capacity of all emergency DG sets installed at APSEZ within SEZ area is 3735 KVA. During the compliance period of Apr'23 to Sep'23, there was no instance of power failure hence it was not required to operate the emergency DG sets on continuous basis.</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>All the emergency DG sets are of low sulphur diesel type. Details of the same were submitted along with half yearly compliance report for the period Apr'20 to Sep'20. Emergency DG sets are being used in conformance to the EPA norms and proof for the same was submitted along with compliance period i.e. Apr'17 to Sep'17.</p> <p>For reduction of emission from DG stacks, Retrofitting Emission Control Device (RECD) has been installed on 06 nos. DG sets to reduce the particulate material from DG stacks. Some Photographs of RECD was submitted during the compliance submission for the period Oct'24 to Mar'25.</p>
ix.	The diesel required for operating DG sets shall be stored in underground tanks if required; clearance from Chief Controller of Explosives shall be taken.	<p>Complied.</p> <p>Diesel is stored in the underground tank located in existing port area and approval of the same from Chief Controller of Explosives is obtained from PESO with License no. P/HQ/GJ/15/2050 (P12369) dated 07.10.2024 and is valid till 31.12.2029. The renewed copy of PESO License was submitted during the compliance submission for the period Oct'24 to Mar'25.</p>
x.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should operate only during non-peak hours.	<p>Complied.</p> <p>The vehicles of on-going construction work enter inside the premises only after passing through the fitness check at vehicle health-check centre established by APSEZ. At the vehicle health check-up centre, parking light, reverse light, Horne, wheel, breaks, mirror, etc. are checked before allowing the vehicle to enter the site.</p> <p>Valid PUC Certification is also being checked for all the vehicles while entering into APSEZ premises.</p> <p>Majority of the vehicles bringing construction materials are operated during non-peak hours.</p>
xi.	Ambient noise levels should conform to residential standards both during day and	<p>Complied.</p> <p>Ambient Air Quality and Noise monitoring are being</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025																																																
	night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/GPCB.	<p>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 Apr'25 to Sep'25 is mentioned below.</p> <p>Air sampling locations & frequency: 13 nos. (twice a week) (APSEZ-07 locations + APL-03 Locations)</p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit[§]</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>36.45</td><td>88.67</td><td>56.80</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>10.21</td><td>39.33</td><td>20.23</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>6.88</td><td>29.30</td><td>15.62</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>8.39</td><td>33.50</td><td>19.68</td><td>80</td></tr></table> <p>Noise sampling locations & frequency: 7 nos. (once in a month)</p> <table><tr><th>Noise</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Average</th><th>Leq Perm. Limit*</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>57.20</td><td>69.90</td><td>64.26</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>50.60</td><td>64.30</td><td>59.13</td><td>70</td></tr></table> <p>[§] as per NAAQ standards, 2009 [*] as per CC&A granted by GPCB Values recorded confirms to the stipulated standards.</p> <p>Such environmental monitoring is being carried out on continuous basis at stipulated frequencies. The analysis results are being closely observed for incremental pollution load. From the above results and past data, it can be inferred that the emission levels are well within the prescribed standards. All the analysis data collected are submitted to the concerned authorities as part of the six-monthly compliance reports. The data is also submitted to GPCB on monthly basis as part of the online submission – Monthly Patrak.</p> <p>Please refer Annexure – 6 for detailed analysis reports. Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1173.79 lakh. Out of which, Approx. INR 463.43 lakh has spent during the year</p>	Parameter	Unit	Min	Max	Average	Perm. Limit [§]	PM ₁₀	µg/m ³	36.45	88.67	56.80	100	PM _{2.5}	µg/m ³	10.21	39.33	20.23	60	SO ₂	µg/m ³	6.88	29.30	15.62	80	NO ₂	µg/m ³	8.39	33.50	19.68	80	Noise	Unit	Leq Min	Leq Max	Leq Average	Leq Perm. Limit*	Day Time	dB(A)	57.20	69.90	64.26	75	Night Time	dB(A)	50.60	64.30	59.13	70
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>2025-26 till Sep'25.</p> <p>Following safeguard measures are taken for abatement of dust and noise emissions.</p> <ul style="list-style-type: none"> • Regular sprinkling on road and other open area • Regular cleaning of roads through mechanized equipments. • Development of greenbelt along the periphery of the storage yards/back up area • D.G. Sets having Acoustic enclosures • Transportation of loose dry cargo through covered vehicles / wagons / conveyer system • Regular maintenance of plant machineries and equipments <p>Individual member units are also carrying out environmental monitoring in line with their permissions and the same is also being ensured during industry site visit. Analysis reports of member units are also attached as Annexure – 6.</p>
xii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located within 100 Kms of Thermal Power Stations).	<p>Complied.</p> <p>Fly ash generated from Adani Power Limited, Mundra is being disposed by selling to Cement and Brick Manufacturing units. During the compliance period Apr'25 to Sep'25 approx. 0.298 MMT of fly ash has been disposed by selling to cement industry, export to domestic traders, etc. Fly ash mixed paver blocks are being used for development of back up area, footpath, colonies area, parking area, approach road etc. as and when require.</p> <p>Fly ash based PPC cement is used for construction activity.</p>
xiii.	Ready mixed concrete must be used in building construction.	<p>Complied.</p> <p>Only RMC is used for construction activity.</p>
xiv.	Storm water control and its re-use should be regulated as per CGWB and BIS standards for various applications.	<p>Complied.</p> <p>Storm water drainage systems are provided. There are no perennial rivers and the possibility of storm water run-off is only during monsoon season. The</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		area is receiving scanty rainfall and there is no continuous flow of water during monsoon. Therefore presently, the storm water drainage is designed to facilitate the area drainage meeting with the downstream part of water area.
xv.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other referred best practices.	Complied. Only RMC is used for construction activity.
xvi.	Permission to draw ground water shall be obtained from the competent Authority prior to construction /operation of the project.	Complied. No ground water is used during construction & operation stage of the project. Current sources of water are through GWIL and desalination plant of APSEZ. Average, water consumption for entire APSEZ area is 5.21 MLD during the compliance period Apr'25 to Sep'25.
xvii.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Not applicable As per the master planning all types of wastewater generated are transferred through common conveying system for providing desired treatment at CETP. Treated wastewater is utilized for gardening purposes within the premises of APSEZ / individual industries. It may be noted that condition number xvi to xxi are imposed on all member industries coming up within the SEZ areas (as part of the Lease Deed agreement). The same practice will be continued in future also. As suggested by RO, Bhopal during the site visit, an environment monitoring committee is formed which are ensuring strict compliance of the stipulated conditions by individual industries.
xviii.	Fixtures for shower, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Complied. Water flow reducers are installed at various locations within APSEZ. The water flow reducers consume approx. 66% less water compared to the normal tap. Water free urinals are also installed at Port User Buildings for water conservation. In phase wise manner, all the fixtures will be replaced with such

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>water efficient devices.</p> <ul style="list-style-type: none"> Water flow reducers are provided in taps of various operation and administrative buildings to reduce the water consumption and are in use. Water-free urinals are installed and in operation within APSEZ.
xix.	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	<p>Complied</p> <p>Majority of the building envelopes are constructed with energy efficient building materials. While using glass, wherever required, it is ensured that only high-quality glass with reflective coating is used.</p>
xx.	Roof should meet prescriptive requirements as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.	<p>Complied</p> <p>Majority of the building envelopes (including roofs) are constructed with ECBC compliant building materials having appropriate thermal insulation.</p>
xxi.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil these requirement.	<p>Complied</p> <p>Majority of the building envelopes (including walls) are constructed with ECBC compliant building materials having appropriate thermal insulation.</p>
xxii.	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures from lightning etc.	<p>Complied</p> <p>Mundra falls in seismic zone V. All the building structures constructed, if any, will meet the requirements of the applicable guidelines for safety. The same practice will continue in future also. However, being a developer, no buildings are constructed by APSEZ.</p>
xxiii.	Regular supervision of the above and other measures for	Complied.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	<p>SEZ industries were visited to check measures taken for Energy Conservation, Water Conservation, Waste and Hazardous waste management and phase out plan of Ozone depleting substance during the compliance period. Various industries shared the data in line with above reference. Details of the same were submitted along with EC compliance report for the period Apr'18 to Sep'18.</p> <p>It may be noted that condition number xvi to xxi are imposed on all member industries coming up within the SEZ areas (as part of the Lease Deed agreement). The same practice will continue in future also. As suggested by RO, Bhopal during the site visit, an environment monitoring committee is formed and ensures strict compliance of the stipulated conditions by individual industries.</p> <p>EMS and Compliance verification of individual SEZ units carried out during the compliance period w.r.t. Water & Wastewater Management, Air Management, Hazardous & Non-Hazardous Waste Management, Greenbelt, etc. in line with their statutory permissions and there was no any major non-compliance observed.</p>
xxiv.	Under the provisions of Environment (Protection) Act 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	<p>Point noted.</p> <p>Wherever applicable, construction activities have started only after obtaining environmental clearance.</p>
	Operation Phase	
i.	The PP while issuing the allotment letter to individual member units shall specifically mention the allowable maximum quantity of water usage and effluent generated by each member unit.	<p>Complied.</p> <p>Provisions are made while issuing the allotment letter to individual member units for specifically mentioning the allowable maximum quantity of water usage and effluent generated by each member unit. Sample copy of one of such letter was submitted along with compliance report submission for the period Oct'16 to Mar'17.</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025									
ii.	The PP shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest improvements.	<p>Complied.</p> <p>APSEZL has a well-structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan at site. 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 was submitted along with compliance report submission for the period Apr'24 to Sep'24 and there is no further change.</p> <p>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. No separate bank account is maintained for the same however, all the expenses are recorded in advanced accounting system of the organization.</p> <p>Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1173.79 lakh. Out of which, Approx. INR 463.43 lakh is spent during the year 2025-26 till Sep'25. Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 7.</p> <p>Please refer Point No. xxiii (General Condition: Construction Phase) for further details.</p>									
iii.	Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	<p>Complied.</p> <p>APSEZ has total installed capacity of 6.255 MLD for treatment of effluent / sewage generated at various locations. Details regarding the same are mentioned below. The treated sewage from these decentralized units meets the norms stipulated by GPCB and it is used for gardening purpose.</p> <table border="1"> <thead> <tr> <th>Location</th><th>Capacity</th><th>Technology</th></tr> </thead> <tbody> <tr> <td>CETP</td><td>2.5 MLD</td><td>Aerobic Digestion</td></tr> <tr> <td>Shantivan Colony STP</td><td>350 KLD</td><td>Aerobic Digestion</td></tr> </tbody> </table>	Location	Capacity	Technology	CETP	2.5 MLD	Aerobic Digestion	Shantivan Colony STP	350 KLD	Aerobic Digestion
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Shantivan Colony STP	350 KLD	Aerobic Digestion									

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025																											
		Shantivan Colony STP	250 KLD	Aerobic Digestion																									
		Adani House STP	150 KLD	PVA Gel Technology																									
		Samudra Township STP	2.5 MLD	MBR																									
		Liquid Terminal ETP	265 KLD	Aerobic Digestion																									
		West Port STP	55 KLD	FAB																									
		SEZ north Gate Complex	175 KLD	Aerobic Digestion																									
		Agri Park	10 KLD	Aerobic Digestion																									
		Total Capacity	6.225 MLD																										
	<p>CETP of 2.5 MLD capacity is also constructed in SEZ area (having a separate independent environmental clearance). Sewage generated from individual industry is treated by individual industry itself. However, some of the industries are giving their sewage to the CETP for treatment and final disposal. List of CETP member units were submitted along with half yearly EC compliance report for the period Oct'19 to Mar'20. And there is no further change.</p> <p>The treated effluent from CETP confirms to the GPCB norms. Treated water is used for gardening / horticulture purpose within CETP premises and SEZ areas. Online monitoring system at the discharge point is provided to get the system alert in case of any deviation from discharge norms.</p> <p>STP of 2.5 MLD capacity is also constructed in SEZ area as part of social infrastructure project (having a separate independent environmental clearance).</p> <p>Assessment of treated sewage is being carried out by NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. The summary of analysis results is mentioned below.</p> <p>Treated Water Analysis (Frequency Twice in a Month – 4 STPs)</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Avg.</th><th>Perm. Limit^s</th></tr> </thead> <tbody> <tr> <td>pH</td><td>--</td><td>7.01</td><td>8.03</td><td>7.37</td><td>6.5 to 9.0</td></tr> <tr> <td>TSS</td><td>mg/L</td><td>10</td><td>28</td><td>17.78</td><td>100</td></tr> <tr> <td>BOD (3 Days)</td><td>mg/L</td><td>14</td><td>19</td><td>16.32</td><td>30</td></tr> </tbody> </table>					Parameter	Unit	Min	Max	Avg.	Perm. Limit ^s	pH	--	7.01	8.03	7.37	6.5 to 9.0	TSS	mg/L	10	28	17.78	100	BOD (3 Days)	mg/L	14	19	16.32	30
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
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Sr. No.	Conditions	Compliance Status as on 30.09.2025					
		@ 27 oC)					
		Residual Chlorine	ppm	0.55	0.72	0.61	--
		Fecal Coliform	MPN / 100 ml	26	90	61.14	< 1000
		[§] as per CC&A granted by GPCB Please refer Annexure - 6 for detailed analysis reports. GPCB also done site visit and collected and analyzed the STP's treated water sampling. GPCB last sampling collected on 21/01/2025 and copy of analysis report was submitted during the EC compliance report submission for the period Oct'24 to Mar'25 and all the parameters are well within the permissible norms. Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1173.79 lakh. Out of which, Approx. INR 463.43 lakh has spent during the year FY 2025-26 till Sep'25 for overall APSEZ, Mundra. Greenbelt area developed around the treatment plants act as barrier for odour. In addition to this, regular supervision is done to ensure there is no odour problem from any of the treatment plants.					
iv.	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Complied. Waste Management – APSEZ has adopted 5R concept for environmentally sound management of different types of solid & liquid wastes. Please refer below details about management of each type of waste. Solid Waste: A well-established system for segregation of dry & wet waste is in place. All wet waste (Organic waste) is being segregated & utilized for compost manufacturing and/or biogas generation for cooking purpose. The compost is further used by in house horticulture team for greenbelt development. Whereas dry recyclable waste is being sorted in various categories. Presently manual sorting is being done for sorting of different types of solid					

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>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).</p> <p>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 is attached as Annexure - 8</p> <p>Hazardous & Other Waste:</p> <ul style="list-style-type: none"> • 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 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, Ahmedabad. It is also being reused within organization for lubrication purpose. • ETP Sludge, Oily Cotton Waste, Pig Waste are being disposed through co-processing in cement industries of Ambuja Cement Ltd., Kodinar. • Discarded drums / barrels are being sold to authorized decontamination facility i.e. M/s.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>Jawrawala Petroleum, Ahmedabad. It is also being reused within organization for filling hazardous waste.</p> <ul style="list-style-type: none"> • Solid hazardous waste i.e. Tank bottom sludge was sold to authorized recycler namely M/s. Mundra Oil Pvt. Ltd., Mundra for recycling. However during the compliance period, there was no disposal of downgrade chemicals. • Expired paint materials was disposed by incineration through common facility i.e. M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau. However, during the compliance period, there was no disposal of downgrade chemicals. • Downgrade chemicals generated from cleaning of storage tanks / pipelines were being sold to authorized solvent recovery facilities namely M/s. Acquire Chemicals, Ankleshwar however during the compliance period, there was no disposal of downgrade chemicals. • Slop Oil received from vessels is treated to separate water and oil particles in Oil Water Separator system. Separated oil from the same is sold to authorized recycler / reprocessor namely M/s. Western India Petro Chem Ind - Bhavnagar, Aviation Corporation - Kutch & Aroma Petrochem – Bhavnagar and water is sent to ETP for further treatment. However, during the compliance period, there was no received or disposal of Slope Oil. • However, during the compliance period i.e. Apr'25 to Sep'25 there was no generation and disposal of Sludge & Filters contaminated with oil, Tank Bottom sludge, Asbestos Waste, Glass wool Waste (Thermal Insulation 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 manure is being utilizing in horticulture purpose within plant premises. <p>Details of permissions / agreements of hazardous waste authorized vendors were submitted along with pervious half yearly EC Compliance Reports. And</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025																																																			
		there is no further change. The following table summarizes the waste management practice (from Apr'25 to Sep'25) for different types of wastes at APSEZ:																																																			
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	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Conditions	Compliance Status as on 30.09.2025			
					premises
		Wooden waste	168.11		After recovery sent for recycling / Reuse within premises
		Total	2561.63		
		Other Waste	Bio Medical Waste	4.163	To approved CBWTF Site and registered recyclers
			Battery Waste	14.91	Sell to registered recycler
			E-Waste	4.21	Sell to registered recycler
			Total	23.28	
		Grand Total		2709.38	
		Please refer Point No. xxiii (General Condition: Construction Phase) for further details.			
v.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operational phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel should be used. The location of the DG sets may be decided in consultation with the Gujarat Pollution Control Board.	Complied. Emergency DG sets are being used only as power back up source in case of power failure. Please refer Point No. viii & ix (General Condition: Construction Phase) for further details. Heights of stacks are maintained as needed for the combined capacity of all attached emergency DG Sets. Locations of the emergency DG sets are checked by GPCB officials during the site visits. Details of all emergency DG set stack heights are mentioned below.			
		Sr. No.	DG Location	Capacity/KVA	Stack height
		1	Adani House	750	15M
		2	PUB	500	15M
		3	PMC Store	82.5	10M
		4	R&D Yard	50	8M
		5	North Gate	320	8M
		6	CRC North Gate	5	5M
		7	North in Gate	5	5M
		8	North Outgate	5	5M
		9	East Gate	30	6 M
		10	Airport	140	10M

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Sr. No.	Conditions	Compliance Status as on 30.09.2025			
		11	Airport	125	10M
		12	Gohersama Gate	5	5M
		13	Airport crrossing Gate	5	5M
		14	Kharimithi Road Gate	5	5M
		15	Old port Gate	5	5M
		16	West Gate	30	6 M
		17	MRSS	250	6 M
		18	Mitap Substaion	62.5	5M
		19	Zarpara Gate	5	5M
		20	Navinal Gate	5	5M
		21	Culvert NO 109	5	5M
		22	Culvert NO 109	15	5M
		23	Agri Park	250	6 M
		24	APL Road	7.5	5M
		25	APL Road	7.5	5M
		26	Trolly Mounted	30	6 M
		27	Trolly Mounted	15	6 M
		28	Trolly Mounted	15	6 M
		<p>The cumulative capacity of all emergency DG sets installed at APSEZ within SEZ area is 3735 KVA.</p> <p>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 was submitted during the EC Compliance report submission for the period Oct'24 to Mar'25.</p>			
vi.	Noise should be controlled to ensure that it does not exceed the prescribed standards, During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	<p>Complied.</p> <p>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.</p> <p>Please refer Point No. xi (General Condition: Construction Phase) for further details.</p>			
vii.	Green belt of adequate width and density preferably with local species along the periphery of the plot shall be	<p>Being complied.</p> <p>APSEZ has developed "Dept. of Horticulture" which is taking measures/ steps for terrestrial greening as well</p>			

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
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Sr. No.	Conditions	Compliance Status as on 30.09.2025
	raised so as to provide protection against particulates and noise.	<p>as mangrove plantation. Development of greenbelt at various locations within the SEZ is an ongoing activity.</p> <p>Please refer condition no. xix (Specific Condition) for further details.</p>
viii.	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	<p>Complied.</p> <p>Boundary walls are constructed in such a way by keeping weep holes for defined river path to facilitate free flow of water and it is ensured that water is not stagnant at any given point during rainy season.</p>
ix.	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented.	<p>Complied.</p> <p>Groundwater recharge cannot be done at the project site since the entire project is in the intertidal / sub tidal areas. Rain water within project area is managed through storm water drainage.</p> <p>We have installed Rain water recharge bore well (4 Nos.) within our township to recharge ground water. Details of the same were submitted along with half yearly EC compliance report for the period Apr'19 to Sep'19. During FY 2025-26 till Sep'25, 3.62 ML of rain water has been recharged to increase the ground water table.</p> <p>We have also connected roof top rain water duct of operational building (Tug berth building within MPT) with u/g water tank for utilization of collected rain water for gardening / horticulture purpose. Details of the same were submitted along with EC Compliance report for the period Oct'18 to Mar'19.</p> <p>However, Adani Foundation – CSR arm of Adani Group has carried out rainwater harvesting activities in the nearby villages for benefit of the locals.</p> <p>Water conservation Projects i.e. Roof Top Rain Water Harvesting, Desilting of Check dams, Bore Well Recharge and Pond deepening were taken up in past years, review and monitoring of all water harvesting</p>

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Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>structures had been taken up. Including this a big recharge operation by bunding was taken up for Zarpara village as rainfall was very good during compliance period.</p> <p>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.</p> <p>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.</p> <p>Our water conservation work is as below.</p> <p>Water Conservation Work Done during Compliance Period Apr'25 to Sep'25:</p> <p>❖ <u>Water conservation project (till date water conservation work):</u> In recent years, the villages near our operational area have experienced significant enhancements in both the availability and quality of water. These improvements stem from our focused efforts in managing and conserving groundwater and surface water resources.</p> <ul style="list-style-type: none"> • <u>Key interventions—</u> <ul style="list-style-type: none"> ○ pond deepening, ○ strengthening of check dams, ○ installation of rainwater harvesting systems, borewell drilling, and clearing of river inlets— have together increased water storage capacity. • <u>Till the date (Sep'25)</u> <ul style="list-style-type: none"> ○ 145 Pond Deepening ○ 209 Bore & Wells ○ 355 Rainwater Harvesting ○ 30 Check Dams

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<ul style="list-style-type: none"> ○ 25 Percolation Wells ○ Farmers Benefitted - 1760 Storage ○ capacity Increase – 2171435Cum. • <u>Current year (Apr'25 to Sep'25)</u> <ul style="list-style-type: none"> ○ Pond Deepening - 05 Village Pond ○ Check dam Re- strenghtining-01 ○ Farmer - 300 famer Land irrigated - 1800 Acre ○ 8.0% Increase in Revenue ○ 9.00 % TDS Reduction ○ Rs 1200 Reduce in health expenses Monthly ❖ <u>ROOF TOP RAINWATER HARVESTING:</u> <ul style="list-style-type: none"> ○ 355 RRWHS units built across 355 homes, positively impacting more than 1,760 people. ○ TDS level below 100 meeting WHO standards for safe drinking water. ○ First-time rainwater harvesting enabled for the community, ensuring quality drinking water and reducing financial burdens ○ 1760+ Residents benefited ○ 97.73% Less TDS than local municipality water Gundiyaali – 4410 TDS ○ Rs. 1125 monthly Saved on drinking water ○ Rs. 3000 yearly saved on health expense <p>The Water Conservation Projects completed during the FY 2024-25:</p> <ul style="list-style-type: none"> ➤ WATER CONSERVATION “SWAJAL PROJECT” ENHANCING RURAL WATER RESOURCES ❖ Adani Foundation has undertaken significant water conservation initiatives to address water scarcity and improve water availability in rural areas. ❖ Through the creation of 737 various water structures, the project has increased water capacity by 5,400,735 cubic meters (CUM) and benefited 64,515 people. ➤ Check Dam New/Renovation: <ul style="list-style-type: none"> ○ Structures: 29

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<ul style="list-style-type: none"> ○ Water Capacity Increase: 1,072,332 CUM ○ Beneficiaries: 30,870 ○ Impact: Enhances water storage and irrigation. ➤ Rainwater Harvesting Structures (RRWHS): <ul style="list-style-type: none"> ○ Structures: 330 ○ Water Capacity Increase: 3,300,000 CUM ○ Beneficiaries: 1,650 ○ Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ➤ Pond Deepening: <ul style="list-style-type: none"> ○ Structures: 135 ○ Water Capacity Increase: 1,028,403 CUM ○ Beneficiaries: 18,350 ○ Impact: Improves water retention and availability. ➤ Construction of Percolation Wells: <ul style="list-style-type: none"> ○ Structures: 26 ○ Ground Water Recharge: Significant ○ Beneficiaries: 3,000 ○ Impact: Boosts groundwater levels and availability. ➤ Bore/Well Recharge: <ul style="list-style-type: none"> ○ Structures: 209 ○ Ground Water Recharge: Significant ○ Beneficiaries: 1,045 ○ Impact: Enhances groundwater recharge and sustainability. ➤ Construction of New Wells: <ul style="list-style-type: none"> ○ Structures: 8 ○ Purpose: Drinking Water ○ Beneficiaries: 9,600 ○ Impact: Provides reliable drinking water sources ➤ WATER MANAGEMENT PROJECTS: <ul style="list-style-type: none"> ○ Percolation Well, Mota Bhadiya: 80 farmers benefited. ○ Percolation Bore Cleaning, GPVC Villages: 3150 farmers benefited. ○ Pond Deepening & Road Cleaning, GPVC Villages: 6KM cleaned.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>➤ DRIP IRRIGATION - ENHANCING LIVELIHOODS IN KUTCH:</p> <ul style="list-style-type: none"> ○ The Drip Irrigation Initiative by Adani Foundation promotes efficient water use in farming by providing financial support to farmers for installing drip systems. It helps conserve water, improve crop yield, and encourage sustainable agriculture in Kutch. • In 2024-25, Adani Foundation supported sustainable water management in Kutch by Promoting drip irrigation across 490 villages in Abdasa, Lakhpat, Mandvi, Mundra, and Nakhtrana talukas. Covering a total area of 2,074.53 hectares, the initiative benefited 1,041 farmers. This effort enhanced irrigation efficiency, boosted agricultural productivity, and contributed to water conservation and eco-friendly farming practices in the region. <p>With the objective of to preserve the rainwater to reduce the impact of salinity and recharge the ground water (the main source of water) to facilitate the Agricultural activities as well as for drinking water.</p> <p>It may be noted that the individual industrial units will also be encouraged for taking various initiatives for rainwater harvesting within their premises / in the villages around the SEZ area.</p>
x.	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	<p>Complied.</p> <p>Ground Water Monitoring is being carried out on regular basis in SEZ areas through NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi.</p> <p>Please refer Point No. v (General Condition: Construction Phase) for further details.</p> <p>It may be noted that the analysis results of ground water quality are submitted to CGWB, West Central region, Ahmedabad vide our e-mail dated 19.05.2025. The mail acknowledge copy of the same was</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		submitted during the compliance submission for the period Oct'24 to Mar'25
xi.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	<p>Complied.</p> <p>The entry and exit gates of SEZ and port are provided with ample parking area (210838 m²) near the gate. The entry / exit complex is fully equipped with traffic control equipments and round the clock security is provided for seamless support. No public space is utilized for parking of the vehicle. Details of the same were submitted along with half yearly EC Compliance Report for the period Apr'18 to Sep'18.</p>
xii.	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & D Factors etc. and submitted to the Ministry along with six monthly monitoring report.	<p>Complied</p> <p>Energy audit of port user buildings (including the details about building materials and technology etc.) is carried out once every three years. The most recent audit was conducted during 18th to 20th Jan-2022 by M/s. ECO ENERGY SOLUTION. Report of the same is submitted to Chief Electrical officer, Gandhinagar. Report of the same was submitted during the previous compliance period from Apr'22 to Sep'22.</p> <p>To comply with the Energy Audit study at every 3 years, recently APSEZ has awarded the work order to M/s. ECO ENERGY SOLUTION, vide order no. 5702029244.</p> <p>ECO ENERGY SOLUTION has conducted audit visit during 30th Oct'25 to 5th Nov'25 for SEZ area & study work has been completed. Final Energy Audit report is awaited from ECO ENERGY SOLUTION.</p>
xiii.	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be an integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines	<p>Complied</p> <p>Energy Conservation through Installation of Motion Sensor (Occu switch) & AC Temp. controls in few of the buildings are provided.</p> <p>Measures for energy conservation are incorporated at design stage. Few of the buildings in MSTPL are designed as green building. Some features of the same are as below.</p> <ul style="list-style-type: none"> • Used fly ash based cement and bricks

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	/ rules of the regulatory authority to avoid mercury contamination. Solar panels may be used to the extent possible.	<ul style="list-style-type: none"> • Special types of glasses were used which gives maximum sunlight and less heat • VOC free paint used certified by CII (Certificate of Indian Industries) • Water flow reducer installed in the entire building <p>CFL / LED lighting are being used at various common areas of SEZ as well buildings and townships. Used CFL are collected and sent for recycling through authorized e-waste collection agency.</p> <p>APSEZ has installed & commissioned 8.8 MW roof top solar plants within APSEZ and Township premises. APSEZ has also installed and commissioned 12 MW windmill and whatever electricity generated is being supplied to grid. Details of the same were submitted along with half yearly compliance report for the period Oct'18 to Mar'19.</p> <p>In additionally 10.4 MW capacity of windmill has been installed by Adani New Energy and as now total capacity of windmill energy is 22.4 MW existed in APSEZ premises.</p> <p>It may be noted that the individual industrial units will also be encouraged for taking various initiatives with respect to energy conservation (such as energy audit, installation of renewable energy sources, utilization of energy efficient fixtures etc.).</p>
xiv.	Adequate measures should be taken to prevent odour problems from solid waste processing plant and STP.	<p>Complied</p> <p>5R principals are adopted for sustainable waste management at APSEZ. Utmost care is being taken during the waste management and sewage /effluent treatment to ensure that there is no odour generation. Proper secondary treatment and disinfection is provided to the domestic sewage and treated sewage is utilized for horticulture purpose. These measures ensure that odor problem is not created in the surrounding area. Furthermore, greenbelt on the periphery of the treatment plant as well as waste management sites help to prevent</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		odour problems.
xv.	The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	<p>Complied.</p> <p>Presently, all the buildings have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation. The same practice will be continued in future also.</p> <p>It may be noted that the individual industrial units will also be encouraged for consideration of these design parameters.</p>
xvi.	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	<p>Complied.</p> <p>Compliance report of all the environmental safeguards contained in the EMP report is attached as Annexure – 5.</p>
xvii.	Adequate drinking water facility be provided.	<p>Complied.</p> <p>Drinking water facility at approx. 200 locations within APSEZ area is provided.</p>
xviii.	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.	<p>Complied.</p> <p>Environment Monitoring (air, noise, water, soil) is being carried out on regular basis in Port & SEZ areas through NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi.</p> <p>Please refer following condition nos. for further details.</p> <ul style="list-style-type: none"> v, viii & xi of General Conditions – Construction Phase iii of General Conditions – Operation Phase
xix.	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for portion of the	<p>Complied.</p> <p>APSEZ has installed & commissioned 8.8 MW roof top solar plants within APSEZ and Township premises. APSEZ has also installed and commissioned 12 MW windmill and electricity generated from it is being supplied to grid.</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	apartments should be provided.	<p>In additionally 10.4 MW capacity of windmill has been installed by Adani New Energy and as now total capacity of windmill energy is 22.4 MW existed in APSEZ premises.</p> <p>Please refer condition no. xiii of the General Conditions – Operation Phase for further details.</p>
xx.	Ozone depleting substance (Regulation & Control) Rules should be followed while designing the air conditioning system of the project.	<p>Complied.</p> <p>APSEZ is not procuring air conditioning systems which use ozone depleting gases. All the HVAC systems are with Ozone friendly gases within APSEZ. All new air conditioning systems installed, if any, will be designed in line with Ozone depleting substance (Regulation & Control) Rules.</p> <p>It may be noted that the individual industrial units will also be encouraged to follow Ozone depleting substance (Regulation & Control) Rules while designing the air conditioning system of the project. The same will be implemented by individual unit as per project suitability.</p>
12	Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional Office of MOEF, Bhopal.	<p>Complied.</p> <p>Full support is always extended to officers of regulatory authorities (including MoEF&CC and GPCB) visiting the project site. The documents as per their requirements are provided to them.</p> <p>The communication documents like application Form – 1, ToR received from MoEF&CC, Final EIA report, Public Hearing proceedings and recommendations of GCZMA are submitted to MoEF&CC, RO, Bhopal for necessary records.</p> <p>APSEZ was visited by RO, MoEF&CC Bhopal on 3rd May, 2018 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer. During the said compliance verification visit, and as per the compliance certificate by Ro-MOEF&CC vide dated, 7th June 2018, there was no major non-compliance observed.</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		<p>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.</p> <p>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.</p> <p>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 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.</p> <p>It also be noted that officials from GPCB Regional office is also doing regular site visit. Last visit of Regional Office, GPCB was done on 23.07.2025 for Multi Product SEZ (MSEZ). There was no any inspection remarks during the site visit.</p> <p>Inline to the compliance certification process of Environment Clearance of Waterfront Development Plan, IRO- MoEF&CC Gandhinagar has lastly visited the site on 18th to 20th December, 2023 for</p>

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
		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 CCR & submitted action taken report w.r.t. certified compliance was submitted along with half yearly EC Compliance report for the period Oct'23 to Mar'24.
13	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Point noted and agreed.
14	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environmental (Protection) Act, 1986, to ensure effective implementation of the safeguard measures in a time bound and satisfactory manner.	Point noted and agreed.
15	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective competent authorities.	Not Applicable at present. The mentioned approvals are not applicable to APSEZ since we are the infrastructure support provider. However, the applicable approvals will be availed by the individual member industries prior to construction of work. The environment management committee will ensure strict adherence to the condition by the individual industries.
16	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of	Point noted and agreed.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	
17	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.	Complied APSEZ has advertised Environmental and CRZ Clearance in two local newspapers "The Indian Express" (in English language) and "Kutch Mitra" (in vernacular language) on 24.07.14 (within 10 days from the date of receipt of the clearance letter) and copy of the same was submitted vide letter dated 05.08.2014 to Ministry of Environment, Forests & Climate Change, Bhopal.
18	Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.	Point noted and agreed.
19	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Point noted and agreed.

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025																					
20	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	<p>Complied</p> <p>Copy of clearance letter was sent to concerned Panchayats, Zilla Parishad, Urban Local Body, Local NGOs and from whom suggestion/representation received. Details regarding the same were submitted to the MoEF & CC along with half yearly compliance report for the period from Apr – 2014 to Sep – 2014.</p> <p>Clearance letter is also put up on the website of the Adani ports https://www.adaniports.com/ports-downloads.</p>																					
21	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	<p>Complied.</p> <p>Compliance report of EC conditions is uploaded regularly. A soft copy of last compliance report including results of monitoring data for the period of Oct'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 24.05.2025.</p>																					
22	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	<p>The copy of the same is also available on our web site https://www.adaniports.com/ports-downloads as well as also uploaded on MoEF&CC Parivesh Portal dated 28.05.2025. Please refer below for the details regarding past six compliance submissions.</p> <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>Apr'22 to Sep'22</td><td>30.11.2022</td></tr> <tr> <td>2</td><td>Oct'22 to Mar'23</td><td>30.05.2023</td></tr> <tr> <td>3</td><td>Apr'23 to Sep'23</td><td>30.11.2023</td></tr> <tr> <td>4</td><td>Oct'23 to Mar'24</td><td>28.05.2024</td></tr> <tr> <td>5</td><td>Apr'24 to Sep'24</td><td>30.11.2024</td></tr> <tr> <td>6</td><td>Oct'24 to Mar'25</td><td>28.05.2025</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Apr'22 to Sep'22	30.11.2022	2	Oct'22 to Mar'23	30.05.2023	3	Apr'23 to Sep'23	30.11.2023	4	Oct'23 to Mar'24	28.05.2024	5	Apr'24 to Sep'24	30.11.2024	6	Oct'24 to Mar'25	28.05.2025
Sr. No.	Compliance period	Date of submission																					
1	Apr'22 to Sep'22	30.11.2022																					
2	Oct'22 to Mar'23	30.05.2023																					
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4	Oct'23 to Mar'24	28.05.2024																					
5	Apr'24 to Sep'24	30.11.2024																					
6	Oct'24 to Mar'25	28.05.2025																					
23	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the	<p>Complied.</p> <p>Environmental statement for each financial year is submitted to GPCB. The same for the FY ending 31.03.2025 in Form-V is submitted to GPCB vide our</p>																					

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

Sr. No.	Conditions	Compliance Status as on 30.09.2025
	concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	letter dated 8 th September, 2025. The acknowledgement copy of the Environmental Statement (Form V) of FY 2024-25 is attached as Annexure -9 and also available on our web site https://www.adaniports.com/ports-downloads .

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

ANNEXURE A

Compliance Report of CRZ Recommendation

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

Note:

With respect to the project components attracting CRZ recommendation from GCZMA, following points shall be noted:

- GCZMA has recommended the CRZ proposal for Sea Water Intake, Outfall system and Pipeline.
- Construction with respect to Desalination Plant, sea water intake and outfall system has not been started yet.
- Existing units are having requisite environmental permissions (from state or central body, as the case may be) for discharging their wastewater, if any, to the Common Effluent Treatment Plant of MPSEZ Utilities Pvt. Ltd. having 2.5 MLD capacity (having a separate individual environmental clearance).
- Treated wastewater is being utilized within the premises of CETP and / or SEZ for the gardening / horticulture activities.
- As soon as the need for discharging the effluent / reject form the desalination plant into sea will arise, constriction work for the intake and outfall will be started.

In view of the above-mentioned facts, the compliance to the conditions stipulated in the CRZ recommendation will be submitted to all the competent authorities when the construction and operation activities are initiated for the project components attracting CRZ recommendation.

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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 : Apr'25 To : Sep'25
Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 30.09.2025
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.	<p>Point Noted & Complied</p> <p>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.</p>
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.	<p>Complied</p> <p>This reply covers condition no ii, iv and v.</p> <p>Based on the MoEF&CC directions,</p> <ol style="list-style-type: none"> 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. <p>Details of above chronology were submitted along with half yearly compliance report for the period of Apr'19 to Sep'19.</p>
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.	
v	NCSCM will prepare the plan in consultation with NIOT, PP and GCZMA. In recognition of the fact that the existing legal	<p>The site survey carried out by NCSCM includes:</p> <ol style="list-style-type: none"> 1. Bathymetry survey of creeks 2. Topography survey of intertidal areas

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

Sr. No.	Condition	Compliance Status as on 30.09.2025
	<p>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.</p>	<ol style="list-style-type: none"> 3. Mangrove survey (health and area demarcation) 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 <p>In addition to the site surveys, NCSCM has procured satellite images for analysis of mangrove cover.</p> <p>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.</p> <p>Based on the final study report, outcome is summarized in to following points :</p> <ol style="list-style-type: none"> 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. <p>Complied.</p> <p>Construction activities are completed and project is in operation phase.</p> <p>As part of the directions given by MoEF&CC vides order dated 18th Sep, 2015, following studies were conducted.</p> <ol style="list-style-type: none"> 1. NCSCM (MoEF&CC promoted Government Agency) study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ. <p>As a part of mangrove conservation plan, APSEZ has done following activities.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Apr'25 To : Sep'25
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Sr. No.	Condition	Compliance Status as on 30.09.2025
		<p>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.</p> <p>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.</p> <ul style="list-style-type: none"> 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. 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 is attached as Annexure – 1. <p>c. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ.</p> <p>d. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report was submitted during the compliance submission for the period Oct'24 to Mar'25.</p> <p>e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.</p>

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Sr. No.	Condition	Compliance Status as on 30.09.2025										
		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><ul style="list-style-type: none">•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.<ul style="list-style-type: none">○ 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.○ 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 is attached as Annexure – 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ.</td></tr><tr><td>2.</td><td>Tidal observation in creeks in and around APSEZ</td><td><ul style="list-style-type: none">•APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM.</td></tr></table>	Sr. No.	Recommendations	Compliance	1.	Mangrove mapping and monitoring in and around APSEZ	<ul style="list-style-type: none">•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.<ul style="list-style-type: none">○ 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.○ 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 is attached as Annexure – 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ.	2.	Tidal observation in creeks in and around APSEZ	<ul style="list-style-type: none">•APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal, Bocha and Khari creeks under the guidance of NCSCM.	
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			<ul style="list-style-type: none"> •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.	<p>Removal of Algal and Prosopis growth from mangrove areas</p> <ul style="list-style-type: none"> •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 Rs. 1,50,000 during FY 2024-25. The algal removal report was submitted during the compliance period Oct'24 to Mar'25.
		4.	<p>Awareness of mangroves importance in surrounding communities</p> <ul style="list-style-type: none"> •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 36 Villages. Dry Fodder 8,65,965 Kg Green – 30,75,945 Kg. •Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25, 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 during the compliance period Apr'24 to Sep'24.

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			•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 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 border="1"> <thead> <tr> <th>Sr. No.</th><th>Authority</th><th>Date of Visit</th><th>Purpose of Visit</th></tr> </thead> <tbody> <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> <tr> <td>5</td><td>SPCB, Gandhinagar</td><td>17th March, 2021</td><td>CC&A Compliance Certification of existing facilities developed under WFDP</td></tr> <tr> <td>6</td><td>Joint</td><td>1st to 3rd Sep,</td><td>Compliance of the</td></tr> </tbody> </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	5	SPCB, Gandhinagar	17 th March, 2021	CC&A Compliance Certification of existing facilities developed under WFDP	6	Joint	1 st to 3 rd Sep,	Compliance of the
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Sr. No.	Condition	Compliance Status as on 30.09.2025			
			Review Committee	2021	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 during the compliance report submission 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 during the compliance submission for the period Oct'24 to Mar'25.
		<p>It may also be noted that GPCB, Regional Office does regular site visit of APSEZ area and no non-compliance observed.</p> <p>Last visit of the Regional Office, GPCB was done on 25.11.2024 for West Port APSEZL has submitted the reply to the site visit report vide letter dated 04.12.2024. Acknowledgement copy was submitted</p>			

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		<p>during the compliance submission for the period Oct'24 to Mar'25..</p> <p>Last visit of Regional Office, GPCB was done on 30.01.2025 for Main port and APSEZL has submitted the reply report vide letter dated 04.02.2025. Acknowledgement copy was submitted during the compliance submission for the period Oct'24 to Mar'25..</p>
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.	<p>Complied</p> <p>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 half yearly EC Compliance report for the period Apr'18 to Sep'18.</p> <p>Considering the above status and in line to submission of compliance of all the directions under this order, this condition is closed.</p>
vii	APSEZ will submit specific action plan to protect the livelihood of fishermen along with budget.	<p>Complied.</p> <p>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.</p> <p>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. 13.5 Cr. INR 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.</p> <p>Till, Sep'25 approx. 16.43 Cr. INR, has already been</p>

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		<p>invested fisherfolk livelihood. Further, details regarding the expenditure incurred against the commitment are attached as Annexure - 10.</p> <p>APSEZ is carrying out various initiatives specific to the Fisherfolk community during compliance period which includes:</p> <ul style="list-style-type: none"> • Distributed education kits to HSC and graduation-level students, including notebooks, guides, stationery, and study bags. • Facilitated job opportunities and skill development for youth through community engagement and support programs. • Provided daily transportation for 86 school-going children to ensure consistent access to education. • Awarded scholarships totaling ₹3,58,765 to 34 students for higher secondary and technical education. <p>Previous Support to Fisherfolk Community:</p> <ul style="list-style-type: none"> • Educational Kit Support: 686 nos. • Fisherman Shelter Support: 273 nos. • Vehicle transportation Support: 1368 nos. • Cycle Support to high school students: 111 nos. • Scholarship Support: 648 nos. • Youth Employment: 494 nos. • Linkage with Fisheries Scheme: 195 nos. • Ramatotasav Community Engagement: 3534 nos. • Man-Days mangrove plantation: 56523 days <ul style="list-style-type: none"> • 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

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		<p>companies.</p> <p>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.</p> <ul style="list-style-type: none"> • 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 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.

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		<p>and pure drinking water has been constructed for living while fishing and to provide a healthy and hygienic residence.</p> <ul style="list-style-type: none"> 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 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. <p>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.</p>

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Sr. No.	Condition	Compliance Status as on 30.09.2025	
		<div><div><div><div><div><div>❖ Education</div><div>❖ Community Health</div><div>❖ Rural Infrastructure</div><div>❖ Sustainability Livelihood</div><div>❖ Skill Development</div></div></div></div><div>Brief information about activities in the main five persuasions is mentioned below. Activities carried out for the same are summarized as below.</div></div></div>	
		<div><div>Area</div><div>Community Health</div></div>	<div><div>Activity</div><div><div>❖ Mobile Heath Care Units and Rural Clinics</div><div><div><div>• Rural Clinics: 7 Nos.</div><div>• MHCU Stoppages: 31 Nos.</div><div>• Villages Covered: 29 Nos.</div><div>• Total individuals benefited from MHCU and Rural clinic services: 9867 Nos.</div><div>• 33% average savings on healthcare-related costs.</div><div>• 42% People are aware and become health Conscious</div><div>• Adani Foundation's medical support program has provided critical care to 1,071 underprivileged patients, addressing serious health issues like kidney and heart conditions at Adani Hospital Mundra.</div><div>• In life-threatening cases, patients are stabilized and referred to GKGH, Bhuj, with full coordination for advanced treatment—ensuring no one is left behind in their journey to recovery.</div><div>• Students Health Screening Camp Beneficiary: 1093 Nos.Cataract Camp Beneficiary: 67 Nos.</div><div>• MHCU - Labour Colony v: 591 Nos.</div><div>• Health Awareness Session Beneficiary: 711 Nos.</div></div></div></div></div>

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		<ul style="list-style-type: none"> • Specialty Health Camp Beneficiary: 1882 Nos. • General Health Camp Beneficiary: 958 Nos. • Rural Clinic Beneficiary: 6123 Nos. • Mobile Van Beneficiary: 6719 Nos. • Medical & Dialysis Supports Beneficiary: 995 Nos. <p>❖ Awareness and Screening Drive in Mundra Schools:</p> <ul style="list-style-type: none"> • Adani Foundation conducted health and hygiene awareness sessions across primary schools in Mundra Block, fostering lifelong wellness habits among children and educators. • Over 584 students and teachers participated in interactive sessions focused on hygiene practices and healthy living. • Comprehensive health screenings were carried out for 1,093 students, enabling early detection of health issues and timely intervention. • Core topics included handwashing, dental care, nutrition, personal cleanliness, and environmental health. • Adani Foundation organized a focused TB awareness initiative in Mundra Block, enhancing health literacy among affected individuals through expert-led sessions. • Patients received vital education on symptoms, medication, hygiene, diet, and lifestyle from healthcare professionals including the District TB Health Officer. <p>❖ Animal Husbandry:</p> <ul style="list-style-type: none"> • Awareness meetings on modern dairy farming in villages, engaging local cattle owners. • Organized vaccination camps across villages, covering 1,647 animals (1,410

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			<p>camels + 237 cattle).</p> <ul style="list-style-type: none"> Improved livestock health and productivity by reducing disease risk and promoting sustainable care practices.
	Sustainable Livelihood – Fisher folk, Agriculture & Women		<p>❖ <u>WOMEN EMPOWERMENT:</u></p> <p>❖ Self Help Groups: Women were mobilized into 82 SHGs through formal registration, laying the foundation for collective growth and financial inclusion.</p> <p>❖ Skill Building: Tailored workshops and hands-on training empowered members with entrepreneurial, financial, and operational skills. Conducted 12 workshops for 1000 women's.</p> <p>Exposure & Learning: 60 nos. exposure visits to successful enterprises inspired SHG members, boosting confidence and sparking innovative ideas.</p> <p>❖ Need-Based Support: Adani Foundation provided timely support— equipment, funding, and guidance—based on each group's evolving needs and goals 52 times.</p> <p>❖ Community Impact: SHGs now uplift entire communities— enhancing household income, promoting leadership, and driving social change and 1450 people are benefited.</p> <p>CHETNA" - initiative with gender diversity:</p> <p>❖ Women Mobilization & Employment Facilitation: Adani Foundation, in partnership with Unnati Portal and Adani Solar, mobilized and counseled women and their families, enabling them to confidently enroll, attend interviews, and secure jobs.</p> <p>❖ Empowerment Through Opportunity: Women from Kutch began working in formal roles, gaining financial independence, self-confidence, and inspiring broader community acceptance of female workforce participation. Till Now 600+ Female Joined Adani Solar @Pan India and 459 are from</p>

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			<p>Kutch.</p> <p>❖ 12th passed student benefited with 1.8 lac/annum and graduate students benefited with 2.16 Lac/Annum.</p> <p>Empowering Fisherfolk Community:</p> <ul style="list-style-type: none"> • Distributed education kits to HSC and graduation-level students, including notebooks, guides, stationery, and study bags. • Facilitated job opportunities and skill development for youth through community engagement and support programs. • Provided daily transportation for 86 school-going children to ensure consistent access to education. • Awarded scholarships totaling ₹3,58,765 to 34 students for higher secondary and technical education. <p>❖ Job initiatives:</p> <ul style="list-style-type: none"> • 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. <p>❖ Potable water Distribution:</p> <ul style="list-style-type: none"> • Providing access of potable Drinking water Facilities to Nine fisherfolk vasahat on Daily bases, either By Water tanker or Linkage with Nearest Gram panchayat. • More than 5000 Fisherfolk Population are getting benefit which impact on their health and well-being.
		Education	<p>Strengthening Government Primary Schools: Adopting and upgrading government 81 nos. of primary schools & High school to model schools.</p>

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Sr. No.	Condition	Compliance Status as on 30.09.2025
		<p>Main streaming Progressive learners:</p> <ul style="list-style-type: none"> • 2776 students of classes 4 & 5 were assessed. • 1151 students emerged as progressive learners • Personalized learning through different activities and TLM • 220 students mainstreamed. <p>Library Activity:</p> <ul style="list-style-type: none"> • Library books issues & Activities planned every Saturday. • 45000+ Books issued. • 300+ Oasis workshop arranged to increase reading habits of students. <p>IT on wheels:</p> <ul style="list-style-type: none"> • 1187 primary & 1448 high school students are learning basic computer skills. • Students gain essential computer skills, enhancing their digital literacy and preparing them for future academic and career opportunities. <p>Mothers Meet:</p> <ul style="list-style-type: none"> • Mothers' meetings conducted every second Saturday in Utthan schools. • Over 95,00 mothers have joined. • Guidance on exams, scholarships, and healthy eating. • Home visits and discussions on academic performance. <p>Competitive Exam:</p> <ul style="list-style-type: none"> • 1050 passed and 21 students made it to the merit list. • 2726 students are preparing for exams like JNV, NMMS, PSE, and CET. • Meetings with 560 high school parents to

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Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 30.09.2025	
			<p>encourage their support.</p> <p>Gunotsav Primary School Performance:</p> <ul style="list-style-type: none"> Gunotsav Results: Gunotsav grades are assessment by GoG as part of its statewide initiative to assess and enhance the quality of education in government schools. 4 High Schools Achieved 100% Pass Rate in Results. All Utthan-supported schools showed a marked rise in Gunotsav grades, with many moving up to A & B categories—reflecting the positive impact of targeted academic and co-curricular interventions. <p>Abacus & Vedic Maths:</p> <ul style="list-style-type: none"> Utthan initiative has introduced Abacus and Vedic Mathematics in 54 primary and 08 high schools. Abacus is a tool used for performing arithmetic calculations, while Vedic Mathematics is an ancient system of Indian mathematics that simplifies complex calculations. Total 1800 nos. of Abacus and 1302 nos. of Vedic math's Students are benefited. <p>Project Udaan:</p> <ul style="list-style-type: none"> Adani Foundation's Project Udaan empowers youth through immersive educational tours to key Adani Group facilities, offering real-world exposure beyond the classroom. Students gain firsthand insights into industries like ports, power, and refineries, sparking curiosity and ambition for future careers. The initiative nurtures entrepreneurial thinking, leadership qualities, and a vision for innovation among school and college students. Faculty participation strengthens academic-industry linkages, enriching the learning ecosystem. Project Udaan has become a catalyst for

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Sr. No.	Condition	Compliance Status as on 30.09.2025	
			<p>inspiring young minds to dream big and pursue meaningful, future-ready paths.</p> <ul style="list-style-type: none"> Total 229 institute visit & 05 corporate visit done with 16380 students.
	Rural Infrastructure & Environmental Sustainability		<p>COMMUNITY INFRASTRUCTURE DEVELOPMENT PROJECTS & ITS BENEFICIARIES FY 2025-26 Till SEP'25:</p> <ul style="list-style-type: none"> Pond Deepening: 03 Nos. <u>Digital Library: 04 Nos.</u> <u>Common Gathering Shed: 09 Nos.</u> <u>Gaushala Development: 02 Nos.</u> <u>RRWHS Construction: 25 Nos.</u> <u>Community Center: 02 Nos.</u> <u>Check dam strengthening: 02 Nos.</u> <u>Restrengthening of Approach Road: 24 Km</u> <p>Water Conservation Work Done during Compliance Period Apr'25 to Sep'25:</p> <ul style="list-style-type: none"> Constructed 13 rainwater harvesting ponds to store monsoon water for community and wildlife use. Installed 6 drinking water wells in remote villages to improve daily access to clean water. Enhanced public health and sanitation by providing reliable water infrastructure in underserved areas. Planned expansion and deepening of 5 village ponds to increase rainwater retention and storage. Check dam Re-strengthening- 01 Nos. Farmer -300 farmer Land irrigated- 1800 Acre Held consultative meetings with local communities to finalize pond locations and

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Sr. No.	Condition	Compliance Status as on 30.09.2025	
			<p>encourage grassroots involvement.</p> <ul style="list-style-type: none"> Aimed at enhancing groundwater levels and ensuring reliable water supply for farming and livestock needs. Pond Deepening upto Sep'25- 145 Village Pond Check dam Re-Strengthening upto Sep'25- 30 Nos. Storage capacity Increase upto Sep'25 - 2171435 Cum.
		Skill Development	<p>Student Benefitted Under Utthan Project during the FY 2025-26 till Sep'25:</p> <p>Strengthening Government Primary Schools: Adopting and upgrading government 81 nos. of primary schools & High school to model schools.</p> <p>Main streaming Progressive learners:</p> <ul style="list-style-type: none"> 2776 students of classes 4 & 5 were assessed. 1151 students emerged as progressive learners Personalized learning through different activities and TLM 220 students mainstreamed. <p>Library Activity:</p> <ul style="list-style-type: none"> Library books issues & Activities planned every Saturday. 45000+ Books issued. 300+ Oasis workshop arranged to increase reading habits of students. <p>IT on wheels:</p> <ul style="list-style-type: none"> 1187 primary & 1448 high school students are learning basic computer skills. Students gain essential computer skills, enhancing their digital literacy and preparing them for future academic and career opportunities. <p>Mothers Meet:</p> <ul style="list-style-type: none"> Mothers' meetings conducted every second Saturday in Utthan schools.

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Status of the conditions stipulated in Environment and CRZ Clearance		

Sr. No.	Condition	Compliance Status as on 30.09.2025
		<div> <ul style="list-style-type: none"> Over 95,00 mothers have joined. Guidance on exams, scholarships, and healthy eating. Home visits and discussions on academic performance. <p>Competitive Exam:</p> <ul style="list-style-type: none"> 1050 passed and 21 students made it to the merit list. 2726 students are preparing for exams like JNV, NMMS, PSE, and CET. </div> <p>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 448.96 lakh has spent during the year FY 2025-26 till Sep'25.</p> <p>Till Sep'25, Adani Foundation has done total expenditure of INR 192.08 Cr. for CSR activities in Kutch region since its inception.</p>
viii	APSEZ will voluntarily return the grazing land, if any, in their possession.	<p>Point noted.</p> <p>All lands are acquired through proper procedure prescribed by State Government. However, APSEZ has agreed for 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 09th Aug 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 half yearly compliance report for the period of Apr'19 to Sep'19.</p> <p>As per recommendations given in Joint Review Committee visit report dated 1st December 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</p>

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		<p>Gauchar Land at Zarpara in 400 acres. Proposal has been received from IGFR I was submitted along with half yearly compliance report for the period of Apr'22 to Sep'22.</p> <p>The officials of M/s. Indian Grassland and Fodder Research Institute (IGFR I), 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 IGFR I, APSEZ will start the work for developing the Gauchar Land. IGFR I has provided a site visit report with technical recommendations. Final Report with conclusion / recommendations from IGFR I and compliance report of its recommendation were submitted along with EC compliance report for the period Apr'23 to Sep'24.</p>
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.	<p>Complied</p> <p>This reply covers direction no ix and x.</p> <ol style="list-style-type: none"> 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. <p>Details of above chronology were submitted along with</p>
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.	

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		<p>half yearly compliance report for the period of Apr'19 to Sep'19.</p> <p>Total cost of the study is approx. INR 1.3 cr. which is financed by APSEZ.</p> <p>The stated study was carried out in following 3 phases.</p> <ul style="list-style-type: none"> • 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. <p>As part of the study, following modelling exercises / technical studies have been carried out to study the impacts on all environmental attributes:</p> <ul style="list-style-type: none"> • 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, Bio diversity and Fisheries • Shoreline change assessment <p>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.</p> <p>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, wrt Traffic Management Plan,</p>

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Sr. No.	Condition	Compliance Status as on 30.09.2025
		<p>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.</p> <p>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 half yearly EC Compliance report for the period of Apr'18 to Sep'18. Presentation on the findings of the report was made to GCZMA committee on 4th October 2019 and after detailed discussion, authority has decided to constitute committee to discuss the details of the report further.</p> <p>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 half yearly compliance report for the period of Oct'20 to Mar'21.</p> <p>Presentation done before GCZMA on 31.10.2021 and 16.02.2021 to discuss proposed EMP of CIA study in detail and way forward.</p> <p>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 12th July, 2022. APSEZ submitted the letter to GPCB for detailed deliberation and suitable action / way forward vide letter dated 20th July, 2022. The copy of acknowledgement was submitted along with half yearly compliance report for the period of Apr'22 to Sep'22.</p> <p>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 -11.</p>

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

Annexure – C
Compliance Status of MoEF&
CC Recommendation of the
proposal No.
IA/GJ/NCP/261191/2022
of dated 15th July, 2022

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

Sr. No.	Condition	Compliance Status as on 31-03-2024
1	CRZ area within the project boundary can be used for carrying out permissible activities either by APSEZ or any Industry through specific permission. However, if activities other than those recommended by the GCZMA earlier is proposed, fresh recommendations need to be obtained.	Point noted and agreed. APSEZ or any other industry will obtain requisite permissions from regulatory authorities for utilization of CRZ area falls within the APSEZ boundary for carrying out permissible activities in line with CRZ Notification, 2011.
2	Individual industries/APSEZ will obtain CRZ clearance a fresh from concerned authorities to carry out permissible activities within CRZ area.	APSEZ has obtained separate EC & CRZ Clearance for utilization of CRZ area of SEZ as port back-up area as well as development of supporting infrastructures / utilities under WFDP-Expansion project.
3	All the recommendations stipulated in the Mangrove Conservation Plan to be implemented in totality.	Complied This reply covers condition no ii, iii, ix, x, xi, xii & xiii in EC compliance report.
4	All other conditions mentioned in the letter No. 10-138/2008-IA.III and dated 15th July 2014 shall remain unchanged	Point noted and agreed.

Annexure – 1



**PROJECT REPORT ON MONITORING OF
MANGROVE DISTRIBUTION IN CREEKS IN
AND AROUND ADANI PORT AND
SPECIAL ECONOMIC ZONE LTD. (APSEZ),
MUNDRA, GUJARAT**

**Submitted to
M/s Adani Ports and Special Economic Zone Ltd
Mundra, Gujarat**

Prepared by



**National Centre for Sustainable Coastal Management
Ministry of Environment, Forest and Climate Change
Chennai**

July 2025

EXECUTIVE SUMMARY

The Adani Ports and Special Economic Zone Ltd (APSEZ) was directed by the Ministry of Environment, Forest and Climate Change (MoEF&CC) to develop a Comprehensive Integrated Conservation Plan for the preservation and protection of mangroves and creeks in the Mundra region as part of the conditions for Environmental Clearance (EC) issued in July 2014 and September 2015. To fulfil this requirement, APSEZ entrusted the National Centre for Sustainable Coastal Management (NCSCM) with the task of preparing the conservation plan and carrying out periodic monitoring. The present study reports the findings of the mangrove monitoring undertaken between 2021 and 2023, utilizing high-resolution WorldView-3 satellite imagery and detailed ground validation, covering Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, including Bocha Island.

The monitoring results indicate a marginal overall increase in mangrove cover by approximately 2 hectares (around 0.08%), from 2499 ha in 2021 to 2501 ha in 2023. However, the area under dense mangroves increased by 56 hectares during this period, suggesting positive ecological succession and improving vegetation density. Among the individual creeks, Kotdi Creek recorded 6 hectares decrease in mangrove extent, mainly in the scattered category, which may be attributed to human-induced pressures, although increases in dense and sparse mangrove categories reflect good tidal connectivity. Baradimata Creek showed a net gain of 16 hectares, driven by the formation of new dense mangroves, while minor losses in sparse zones were likely caused by tidal erosion. In the Navinal–Bocha Creek system, a slight reduction of 6 hectares was noted, primarily due to erosion at the tip of Bocha Island. However, sparse mangrove cover showed localized increases, indicating ongoing regrowth in some areas. Khari Creek remained largely stable, with only a minor decline of 1 hectares offset by the expansion of scattered mangroves on adjacent mudflats.

Despite the overall stable condition of mangroves in the APSEZ region, several localized issues require attention. Ongoing erosion at Bocha Island is leading to loss of dense mangrove patches, while the formation of sand spits in Navinal Creek may potentially hinder tidal water flow, affecting mangrove health in the future. Additionally, small areas of mangrove clearing were observed near the downstream section of Navinal Creek and in the upper Baradimata Creek due to road expansion activities. In view of these observations, the report recommends that mangrove monitoring continue on a biennial basis using high-resolution satellite data and field surveys. Where necessary, dredging should be undertaken in a phased manner to enhance tidal water inflow, especially in Navinal and Bocha Creeks. Dumping of dredged material must be strictly avoided near creek mouths and interiors to prevent siltation and bank erosion. Control measures to mitigate erosion at Bocha Island, such as dredging shallow areas and constructing sand bunds, should be implemented if erosion persists.

Furthermore, the practice of restricting entry to mangrove areas should be continued to prevent cutting of vegetation, and awareness campaigns must be strengthened to highlight the ecological value of mangroves. In order to reduce pressure on mangrove resources for fodder, local communities should be encouraged to adopt sustainable fodder cultivation with support from the Adani Foundation and local authorities. The study underscores that tidal flow, elevation, and substrate conditions are critical in maintaining mangrove health. While the mangrove ecosystems in and around APSEZ appear to be functioning well, ongoing management and timely interventions will be essential to ensure their long-term sustainability in the face of developmental pressures.

List of Contributors from NCSCM

Task	Name
Project Co-ordination, formulation, guidance, Critical review of project activities and review of report	Dr. Purvaja Ramachandran, Director
Project facilitation and review of report	Dr. Deepak Samuel, Scientist E
Reconnaissance survey	Dr. Deepak Samuel V, Scientist E Dr. Viswanathan C, Scientist B
Preparation of mangrove maps and report	Dr. Mary Divya Suganya, Scientist C
Field work on mangroves and mangrove report preparation	Dr. Viswanathan C, Scientist B Mr. Joyson Joe Jeevamani, Project Scientist II

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1. INTRODUCTION

The northern Gulf of Kachchh in the western coast of India has extensive formation of mangrove. Ministry of Environment, Forest and Climate Change have accorded Environmental Clearance (EC) vide Letter No. F.No.10-138/2008-IA.III dt. 15th July, 2014 & 12th February, 2020 to M/s Adani Ports and Special Economic Zone Ltd (APSEZ), to set up a multi-product SEZ at Mundra, Kachchh, Gujarat. The project involves development of SEZ in a notified SEZ area of 8481.2784 ha.

While according Environmental Clearance (EC) to the project, the MoEF&CC have stipulated General and Special conditions in their Environment Clearance. Further inline to the MoEF&CC final order, vide F.No.10-47/2008-IA.III dtd 18th September 2015 which also contained special conditions, two of which (sr. no iv and v of the order) are as follows:

(iv) A Comprehensive and integrated conservation plan including detailed bathymetry 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.

(v) NCSCM will prepare the plan in consultation with relevant stakeholders, PP and GCZMA. In recognition of the fact that the existing legal 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.

In line with the above conditions, APSEZ entrusted NCSCM for the preparation of a Comprehensive and Integrated plan for the conservation of mangroves and associated creeks. The Conservation plan was prepared and submitted to the Gujarat Coastal Zone Management Authority and in its meeting held in October 2019, then plan was approved as per their email dt. 22nd September 2020.

2. COMPLIANCE TO THE EC CONDITIONS

M/s Adani Ports and Special Economic Zone Ltd (APSEZ) has submitted the conservation plan and submitted it to the Gujarat Coastal Zone Management Authority in its meeting held in October 2019, and then plan was approved as per their email on 22nd Sept 2020. The major recommendations relating to mangroves that were specified in the conservation plan are as follows:

“The APSEZL shall carry out mangrove monitoring every two years and submit the data to Forest Department/GCZMA and MOEF&CC, GOI”.

In order to comply with the above recommendations relating to the assessment of the health of mangroves, APSEZ again entrusted NCSCM, Chennai to carry out Monitoring of mangrove distribution in creeks in and around APSEZ. NCSCM carried out mangrove monitoring in the year 2020-21 comparing Google Earth images of 2017 and 2019. A report of the same was submitted to APSEZ in April – 2021. Accordingly, APSEZ has requested NCSCM to monitor the mangrove coverage using the satellite images of 2021 and 2023 to comply with the recommendations of GCZMA.

3. SCOPE OF WORK

The scope of the present consultancy is to prepare a mangrove distribution map between March 2021 and March 2023 for all the creeks of the APSEZ area including extent, and vegetative features. Besides, the current map will be compared with the previous map to understand the changes in mangrove cover, if any.

4. STUDY AREA

The study area includes a creek and mangrove areas within and around the boundary of APSEZ as indicated in Fig. 1. The creeks present in and around APSEZ are two parts of Kotdi, two parts of Baradimata, Navinal, Bocha, and Khari Creeks. The land adjoining the creeks has mangrove formations, which vary from creek to creek. Dense mangrove formations are common in Bocha Island along Bocha and Navinal Creeks, and along Baradimata Creek.

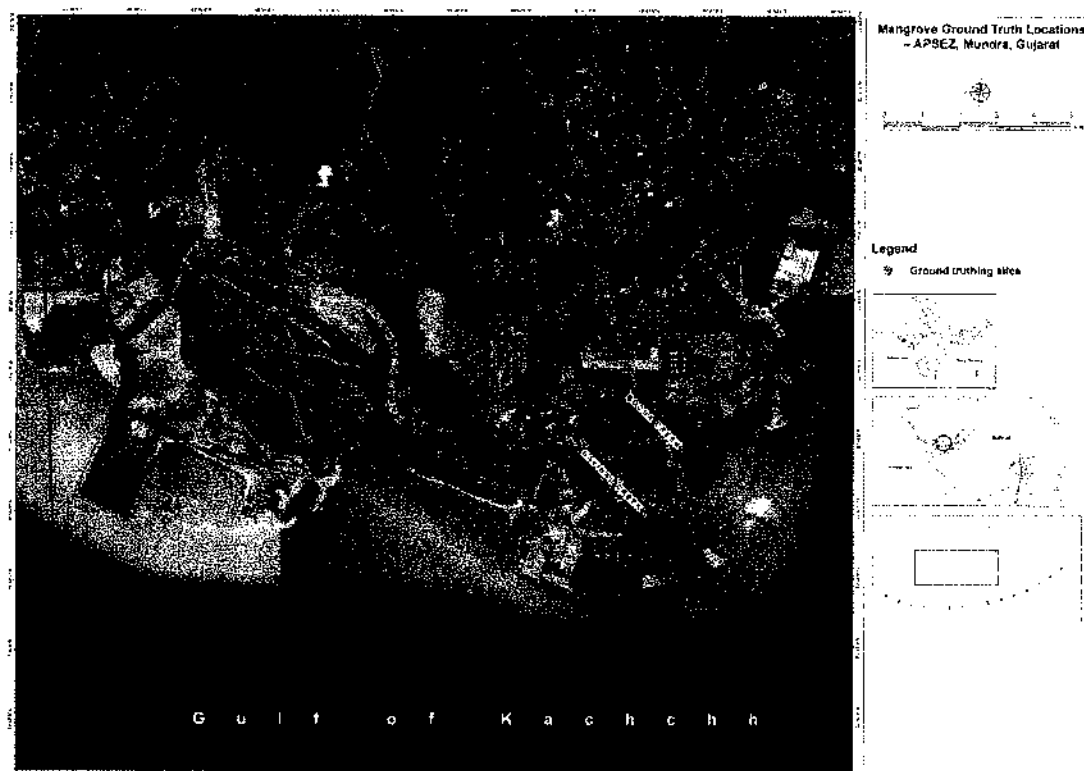


Fig. 1. Study Area – Adani Ports and Special Economic Zone (APSEZ), Mundra

5. TASKS PROPOSED TO BE CARRIED OUT

Details of tasks proposed to be carried out are:

1. Mapping of mangrove distribution in the APSEZ area
2. Mangrove coverage in creeks in and around APSEZ, Mundra using the latest satellite images for the duration of year March 2021 to March 2023

6. TASKS PERFORMED

6.1 MAPPING OF MAGROVES

6.1.1 Satellite Data used

Mapping of mangroves carried out using High resolution Multispectral satellite images with scenes of the years 2021-2023. The mangrove maps were prepared using ArcGIS. Further, ground truth was performed along the creeks in the APSEZ area such as Bocha (including the island), Navinal, Kotdi, Baradimata (including land mass) and Khari by the team of Scientists from NCSCM to verify the distribution of mangroves. In 2019 and 2021, the Gujarat Institute of Desert Ecology mapped the mangroves using IRS P6 LISS-IV satellite imagery with a spatial resolution of 5.8 m, recording mangrove areas of 2,670.08 ha and 2,722.87 ha, respectively. In the present study, high-resolution WorldView-3 (pan-sharpened) imagery with a spatial resolution of 0.5 m was employed for more accurate mapping for the years 2021 and 2023. The ability to map mangroves from satellite imagery mainly depends on the sensor's spatial resolution (pixel size).

Each pixel indicates a particular ground area, defining the smallest object that can be accurately detected and outlined. LISS-IV imagery (5.8 m spatial resolution) covers an area of approximately 33.6 m² per pixel, making it suitable for regional-scale mangrove mapping at cartographic scales of 1:25,000 to 1:50,000. In contrast, WorldView-3 imagery (0.5 m pan-merged) offers significantly finer spatial detail, with each pixel representing 0.25 m². This high-resolution data supports mapping at scales of 1:1,500 to 1:2,000, enabling the detection of small mangrove patches, seedling zones, canopy gaps, and edge degradation. For such site-level mapping, WV3 ha can be considered for delineating fine-scale mangrove features. Therefore, LISS-IV is suitable for assessing broad-scale mangrove distributions, whereas WorldView-3 enables high-precision mapping for localized conservation, restoration, and monitoring studies (<https://doi.org/10.3390/rs14102317>).

The specifications of the satellite images used in the study is listed below:

Table 1. Data source for mangrove mapping

Year	Satellite Data	Spatial Resolution
2021	Worldview3	50 cm
2023	Worldview3	50 cm

6.1.2 Methodology

The various steps involved in mapping of APSEZ mangroves is outlined in Fig. 2.

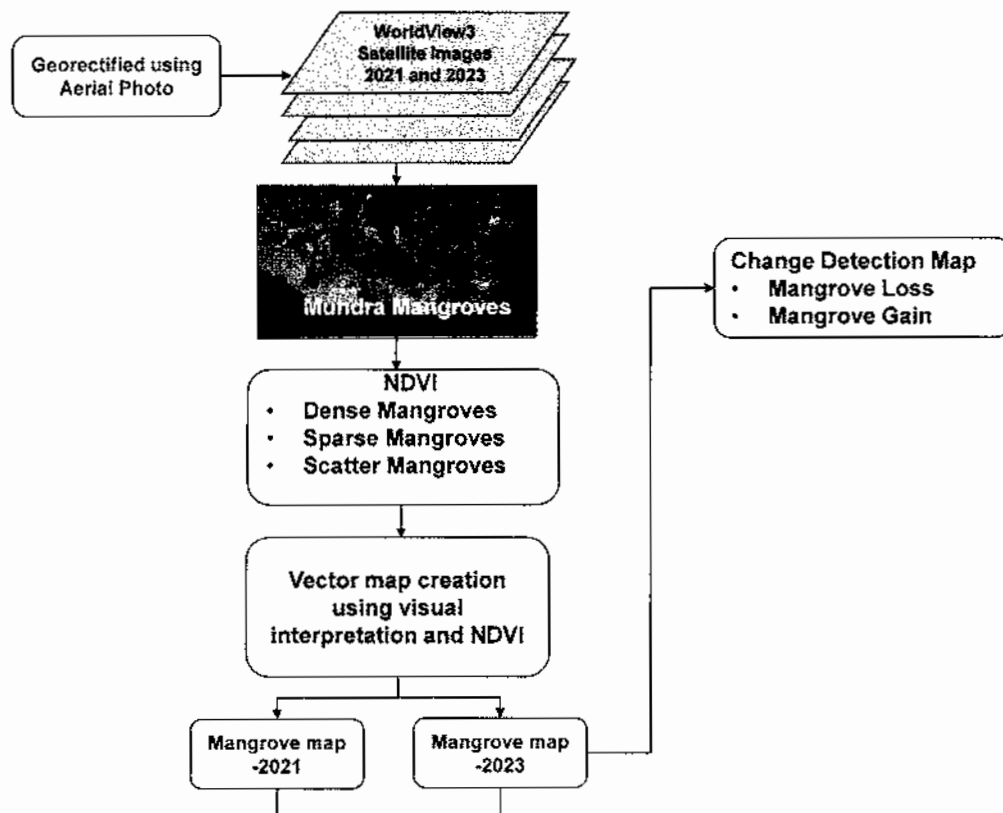


Fig. 2. Mangrove mapping workflow

a. Pre-processing of Satellite Images

The extraction of mangrove areas from satellite data involves the geo-referencing of satellite images using aerial photographs, followed by digital image classification to identify mangrove extents. Rigorous geometric correction was performed to minimize both systematic and non-systematic errors in the satellite imagery. In this study, image-to-image registration was applied to rectify the satellite images using orthophotos as the reference in

ERDAS Imagine software. Geo-referencing all satellite images to a common coordinate system using orthophotos is essential to enable accurate comparison of historical imagery and to analyse mangrove change detection across the entire study region.

b. Mangrove Extraction

The study area involves in and around Mundra region, Kachchh district for mapping mangroves using remote sensing satellite data. Previously, mangrove delineation have been completed for the study for the year 2019. Monitoring of mangrove extent for the year 2021 and 2023 was delineated through visual interpretation of WorldView3 satellite imagery with a spatial resolution of 0.5 meters. Level III classification scheme adopted by Space Application Centre (SAC), Ahmedabad. Visually, these mangrove categories were mapped using key interpretation elements adopted by Space Application Centre (SAC), Ahmedabad. The high spatial detail provided by the WorldView3 sensor is particularly effective for mapping narrow and fragmented mangrove patches along complex shorelines. Delineation was performed in a GIS environment using digitization techniques, allowing precise manual tracing of mangrove boundaries. Interpretation classified as dense, sparse and scatter mangroves guided by key visual indicators such as:

- **Tone and color:** mangroves typically appear as dark red or dense textured patches in false color composites for dense mangroves, slight red with segregated for sparse and very light red with isolated patches for scatter mangroves
- **Canopy texture and pattern:** the uniform texture and crown clumping differ from surrounding vegetation types.
- **Contextual information:** proximity to tidal zones, estuarine areas, and wetland environments was used to refine delineation.

The approach follows accepted visual interpretation standards for coastal vegetation mapping and has been widely used in similar high-resolution mangrove studies (e.g. Giri et al., 2011).

c. Normalized Difference Vegetation Index (NDVI)

The Normalized Difference Vegetation Index (NDVI) was utilized to classify mangrove density into dense, sparse, and scattered categories using ERDAS Imagine software. NDVI was computed from Near-Infrared (NIR) and Red (R) spectral bands based on the standard formula (Eq. 1):

$$NDVI = \frac{NIR - R}{NIR + R} \quad (Eq. 1)$$

This spectral index effectively highlights vegetation health and density by exploiting the contrast between high reflectance in the NIR band and absorption in the Red band.

Post-calculation, the NDVI raster was reclassified using the following thresholds:

Dense Mangroves: NDVI values greater than 0.45

Sparse Mangroves: NDVI values ranging from 0.30 to 0.45

Scattered Mangroves: NDVI values between 0.00 and 0.30

Boundary polygons were delineated by overlaying the classified NDVI outputs onto base vector datasets. Manual editing and correction were performed in areas where clarification was required, ensuring accurate extraction of mangrove boundaries.

6.2 MONITORING ON DISTRIBUTION OF MANGROVES IN CREEKS IN AND AROUND APSEZ

6.2.1 Overall assessment

The Kotdi, Baradimata, Navinal, Bocha and Khari Creeks experience high tidal ranges, reaching up to 6 m, with an average tidal range of 2 to 4.5 m that varies annually. These creeks support mangrove formation due to muddy substratum. The mangroves are tide fed, with tidal flow into the mangrove areas occurring only during high tide. This characterizes them as inter-tidal mangroves, making their growth and distribution highly sensitive to changes in tidal conditions within the creeks.

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. Further analysis of mangrove categories revealed an increase in dense mangroves, suggesting that mangrove growth is progressing in a positive direction (Table 2; Figs. 3 to 5).

Table 2. Distribution of various categories of mangroves in the creeks in and around APSEZ in 2021 and 2023

Category	Area (Hectares)	
	2021	2023
Dense	1003	1059
Sparse	476	462
Scatter	1021	980
Total	2499	2501

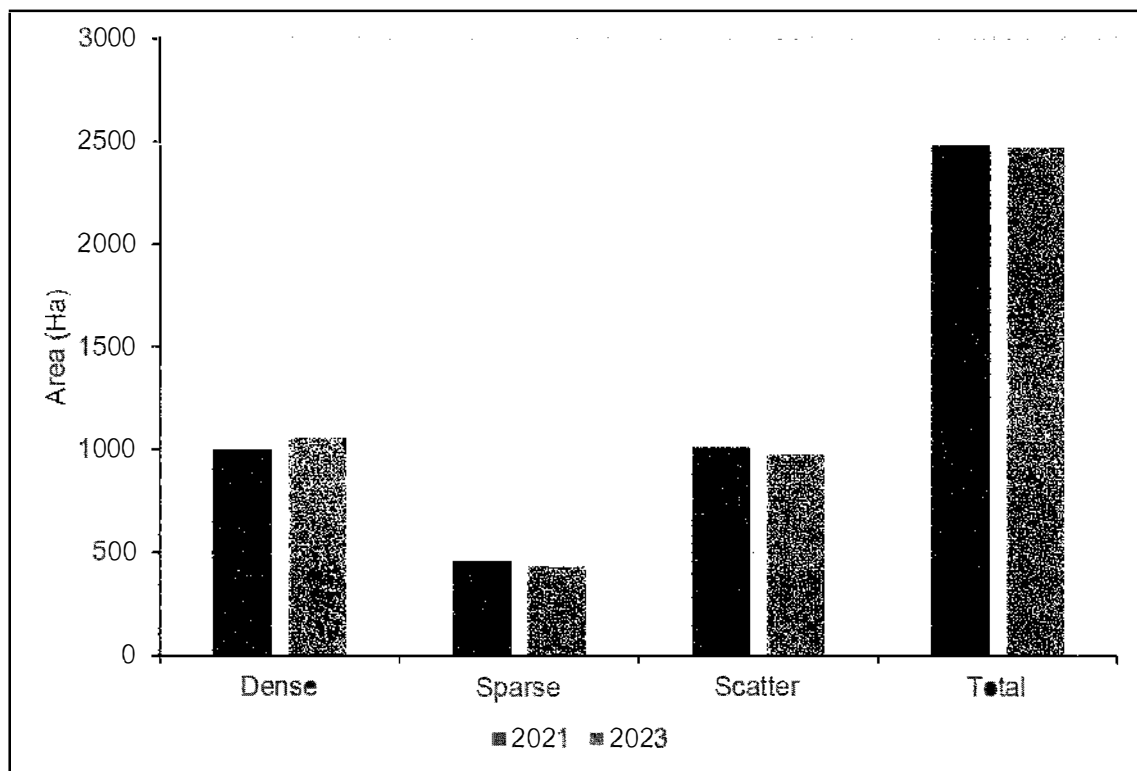


Fig. 3. Comparison of various categories of mangroves in creeks of APSEZ between 2021 and 2023

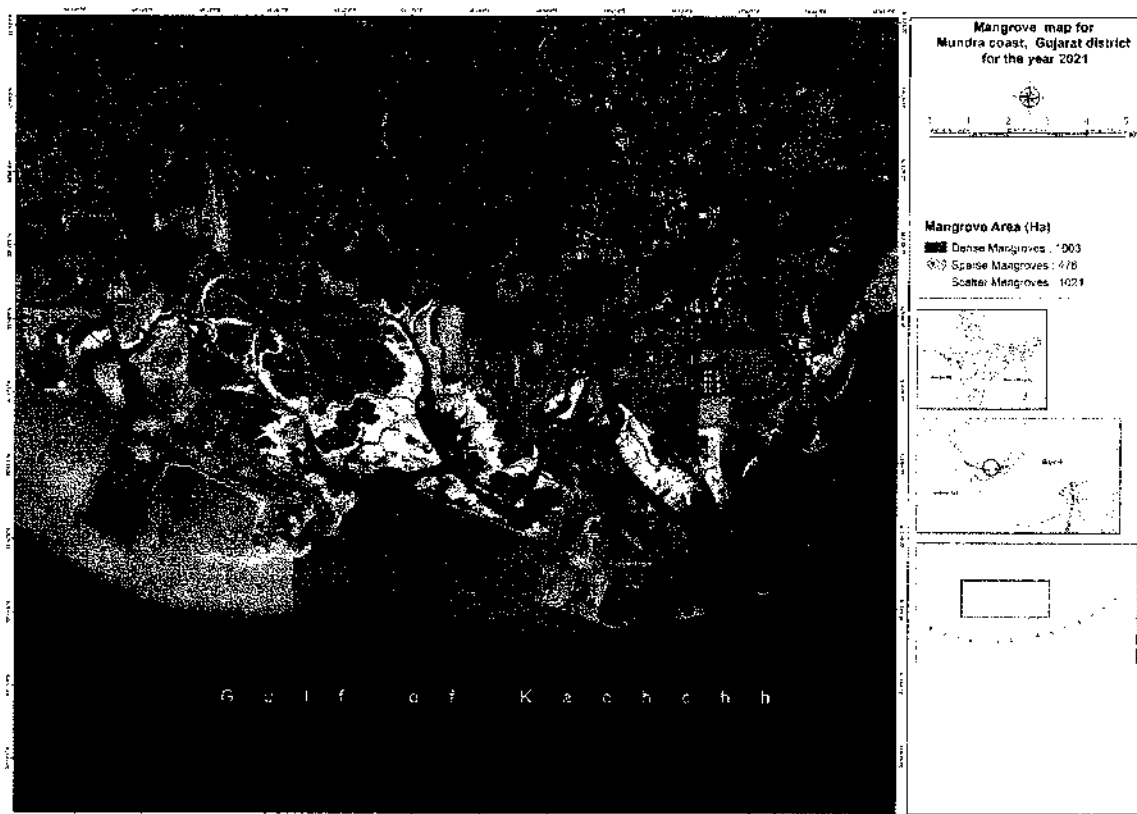


Fig. 4. Distribution of various categories of mangroves in 2021

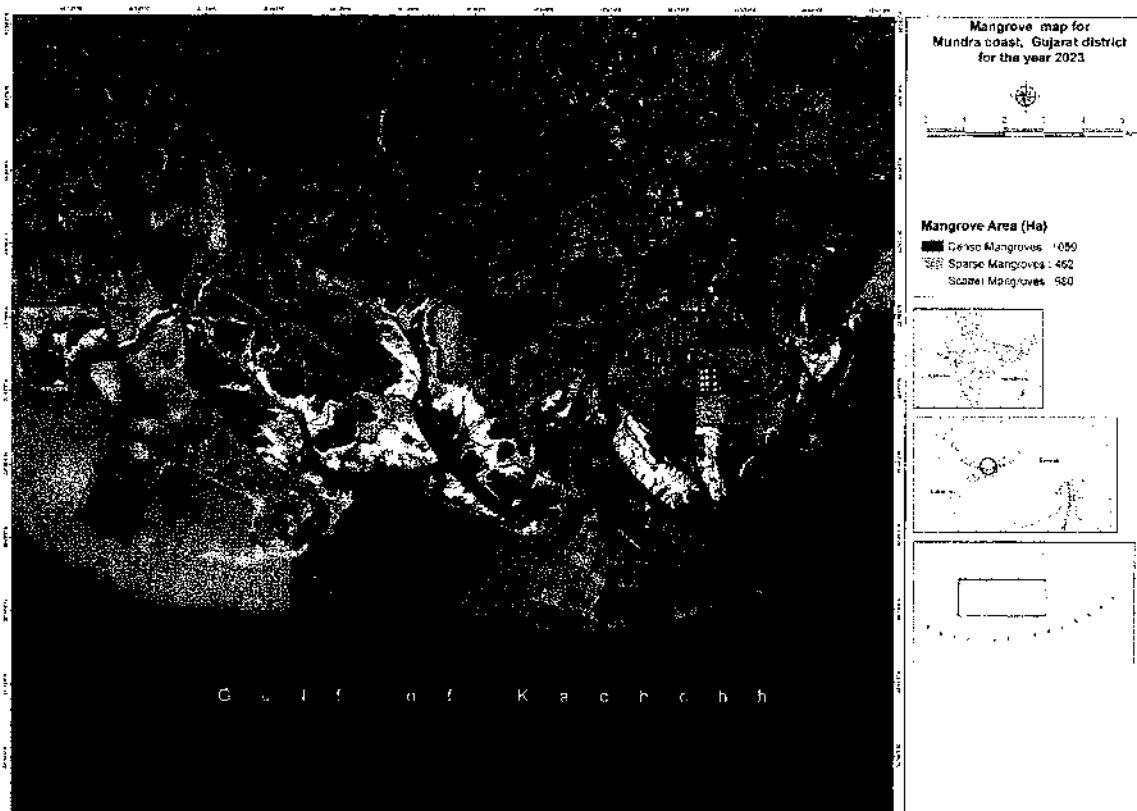


Fig. 5. Distribution of various categories of mangroves in 2023

Vegetation Structure Assessment

Field surveys were carried out in April 2025 across four creek systems (Fig. 1), with sampling points spaced at a minimum interval of 50 meters along the creeks to evaluate the mangrove vegetation structure. In each creek, 10 m × 10 m quadrats were randomly established to capture variability in vegetation characteristics, resulting in 77 sampling plots (Table 3). Within each plot, all mangrove trees with a girth at breast height (GBH) greater than 8 cm were identified to the species level, counted, and their heights measured. The corresponding diameter at breast height (DBH) is greater than 2.5 cm. To assess regeneration, seedlings (individuals less than 1 meter in height) were counted within randomly placed 1 m × 1 m sub-quadrats inside the larger plots. From these measurements, tree basal area (m² ha⁻¹) and stand density (trees ha⁻¹ or seedlings ha⁻¹) were calculated to quantify the mangrove structure. The Importance Value Index (IVI), which integrates relative density, relative frequency, and relative dominance, was computed to assess the ecological significance of each species. All sampling followed non-destructive protocols, ensuring that no trees were felled during the survey.

Relative density (%)

$$= \frac{\text{Number of individuals of a species}}{\text{total number of individuals of all species}} * 100 \quad (\text{Eq. 2})$$

Relative frequency (%)

$$= \frac{\text{Frequency of a species}}{\text{Sum of frequency of all species}} * 100 \quad (\text{Eq. 3})$$

Relative dominance (%)

$$= \frac{\text{Basal area of a species}}{\text{Sum of basal area of all species}} * 100 \quad (\text{Eq. 4})$$

IVI (%) = Relative density + Relative frequency

$$+ \text{Relative dominance} \quad (\text{Eq. 5})$$

Table 3. Summary of sampling details

Zones	No. of tree species observed	No. of quadrats laid
Baradimata Creek	1	30
Khari Creek	1	11
Kotdi Creek	1	12
Navinal-Bocha Creek	3	24
Overall	3	77

6.2.2 Creek wise assessment

a. Kotdi Creek

The Kotdi Creek, with two mouths—Kotdi I, located on the western end of the South Port of Adani, and Kotdi II, situated east of Kotdi I—experiences tidal inflow extending up to 4.5 km in Kotdi I and 7.4 km in Kotdi II during high tide. The tidal range observed in 2020 varied between 2.9 and 4.7 meters. During the study period, the creek exhibited significant growth across all categories of mangroves, though a slight overall decrease of 26.43 hectares (approximately 5%) was recorded in 2023 compared to 2021. Notably, dense and sparse mangrove cover increased by 0.1 and 3.4 hectares, respectively, while the scatter category decreased marginally by 29.8 hectares (Table 4; Figs. 6 to 8). These findings indicate good tidal connectivity and suggest that the mangrove ecosystem in Kotdi Creek remains in generally healthy condition.

Table 4. Distribution of mangroves in Kotdi Creek system in 2021 and 2023

Category	Area in Hectares	
	2021	2023
Dense	182.33	182.43
Sparse	98.64	101.99
Scatter	278.06	268.18
Total	559.03	552.60

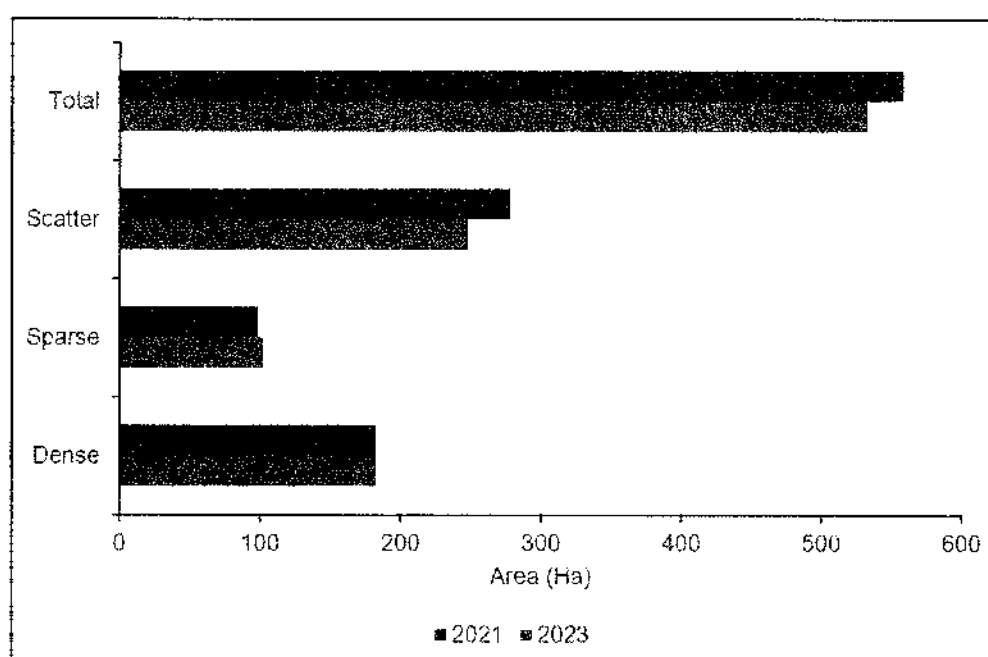


Fig. 6. Comparison of mangrove distribution between 2021 and 2023 in Kotdi Creek



Fig. 7. Distribution of mangroves in 2021 in Kotdi Creek system

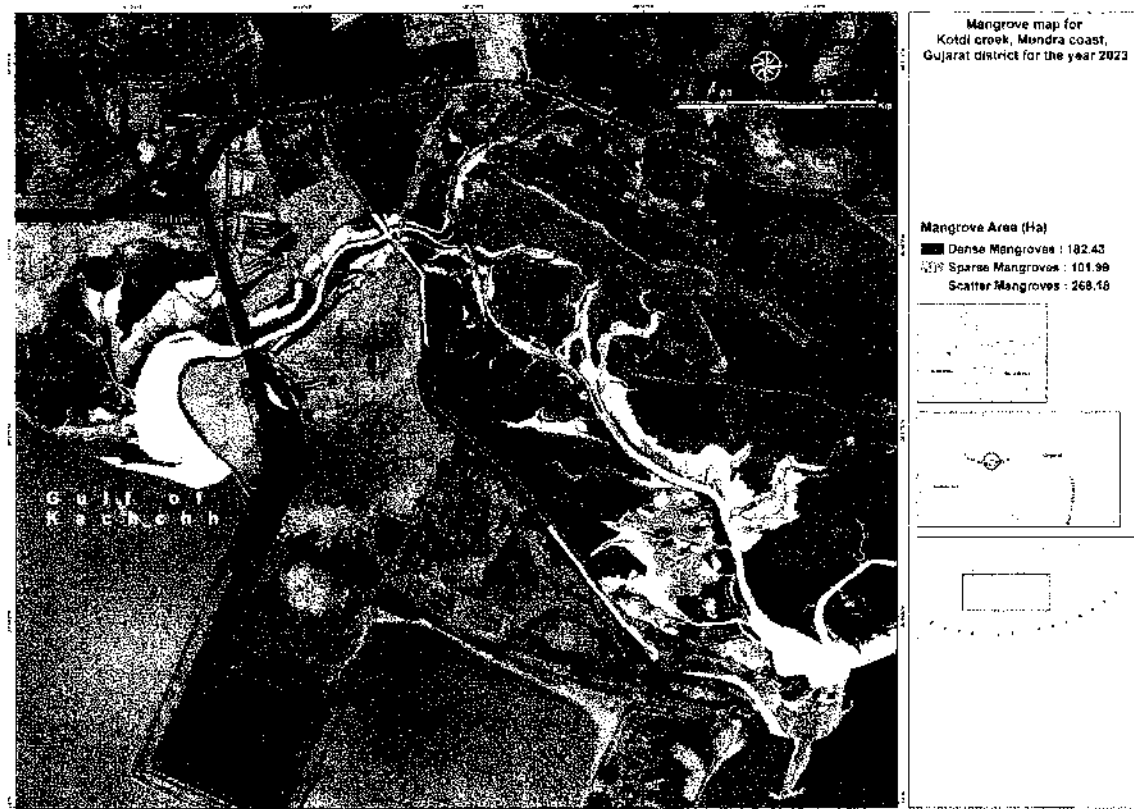


Fig. 8. Distribution of mangroves in 2023 in Kotdi Creek system

Change analysis in Kotdi Creek

A reduction of approximately 12 hectares in mangrove cover was observed in Kotdi Creek between 2021 and 2023, with the most significant losses occurring along the western and south-western tip of the creek (Fig. 9). This decline is primarily in the scattered mangrove category, which is more vulnerable to environmental stress and human-induced pressures. The likely causes include anthropogenic disturbances such as mangrove clearing, land conversion, and infrastructural development near the creek.

In contrast, an increase in sparse mangrove cover was observed, suggesting natural transitional processes within the ecosystem. These changes are characteristic of intertidal mangrove environments, where tidal dynamics, sedimentation patterns, and ecological succession drive the gradual shift in mangrove density—from scattered to sparse, and eventually to dense formations.

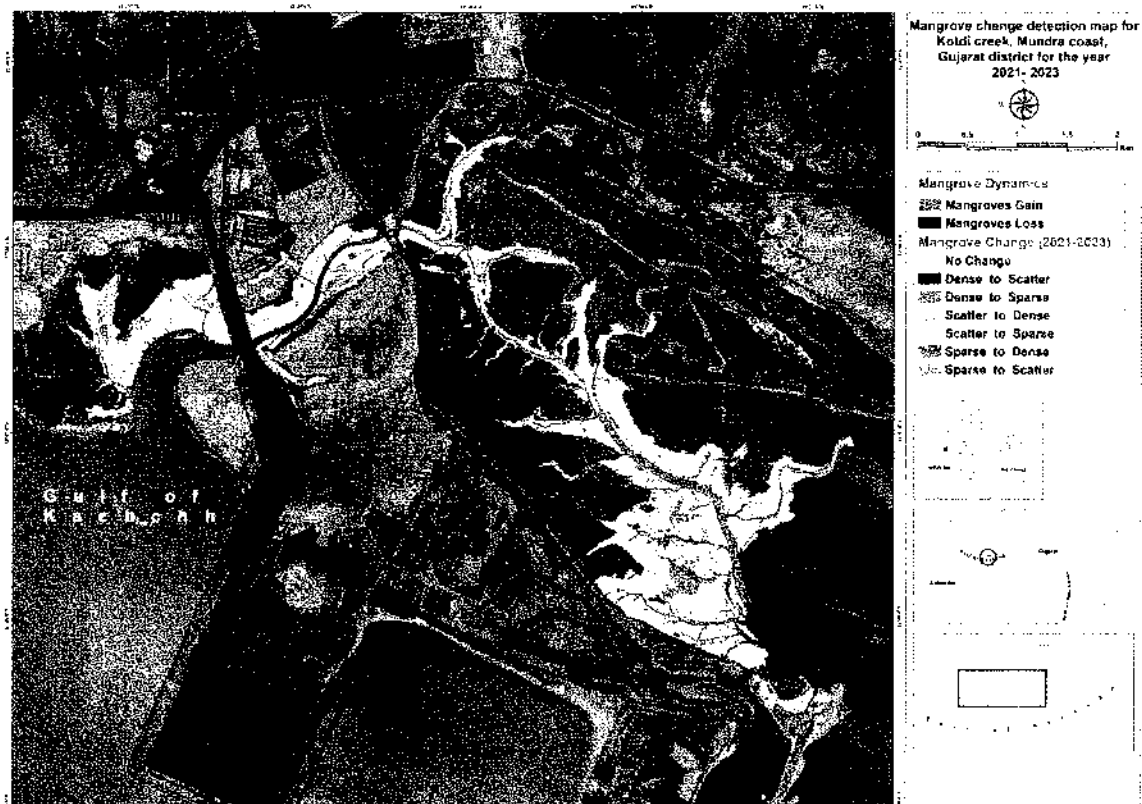


Fig. 9. Result of change analysis from 2021 to 2023 on categories of mangroves in Kotdi Creek system

Vegetation Structure in Kotdi Creek

The mangrove stand structure in Kotdi Creek was predominantly composed of *Avicennia marina*, which emerged as the dominant species (IVI = 300). *Ceriops tagal* species was also observed along with the creek. The density of *A. marina* was estimated at 5,100 trees ha⁻¹, with a corresponding basal area of 24.08 m² ha⁻¹. The average tree DBH was 6.51 cm, ranging from 2.70 cm to 26.79 cm. The average tree height was 2.71 m, ranging from 0.80 m to 5.50 m.

The distribution of trees across various diameter at breast height (DBH) classes is presented in Fig. 10, indicating a strong dominance of smaller-sized individuals and a complete absence of trees exceeding 27.5 cm DBH. This suggests a relatively young or regenerating mangrove population structure.

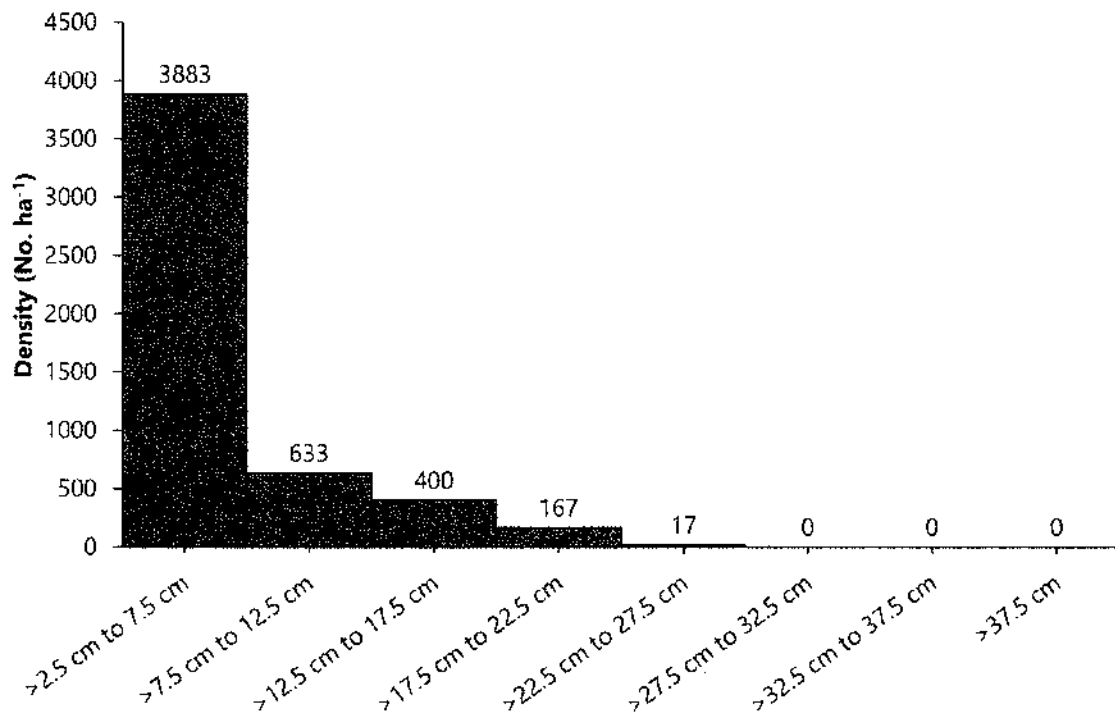


Fig. 10. Mangrove tree density by DBH (cm) size classes in Kotdi Creek

Tree height class distribution (Fig. 11) further supports this pattern, with the majority of individuals falling within the >1.5–2.2 m height range, followed by trees in the >2.2–2.9 m and >3.6–4.3 m height categories. This skewed distribution toward smaller size classes may reflect ongoing recruitment and limited presence of mature trees.

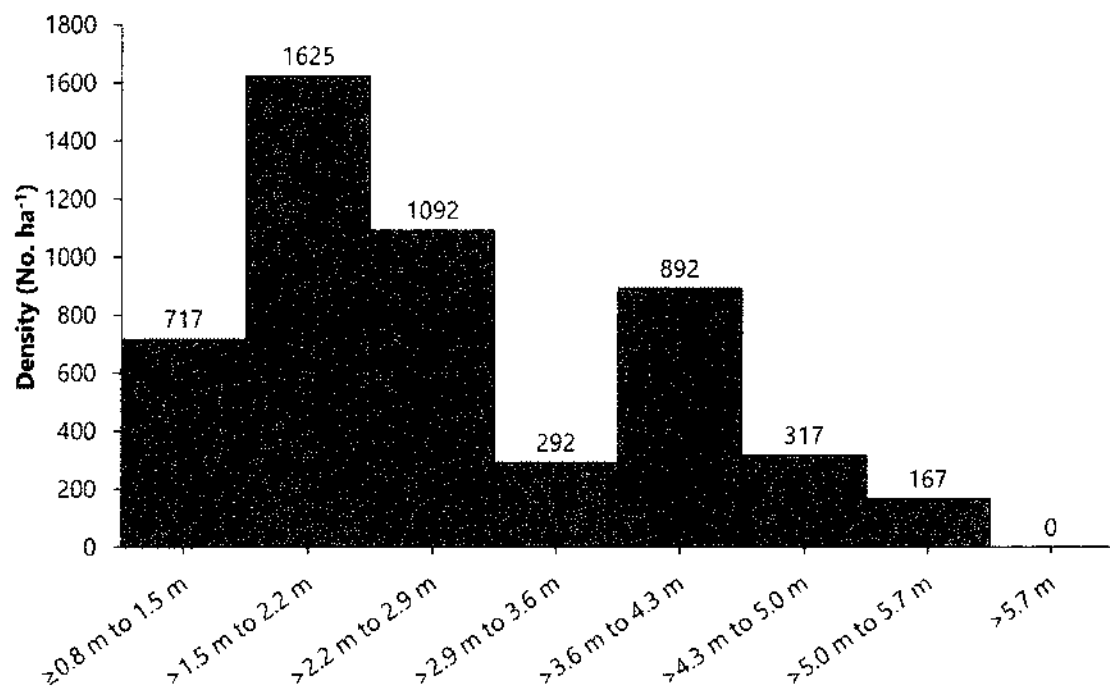


Fig. 11. Mangrove tree density by height (m) size classes in Kotdi Creek

The seedling (*A. marina*) density in Kotdi Creek was estimated at 62,500 seedlings ha⁻¹, indicating active natural regeneration within the mangrove stand.

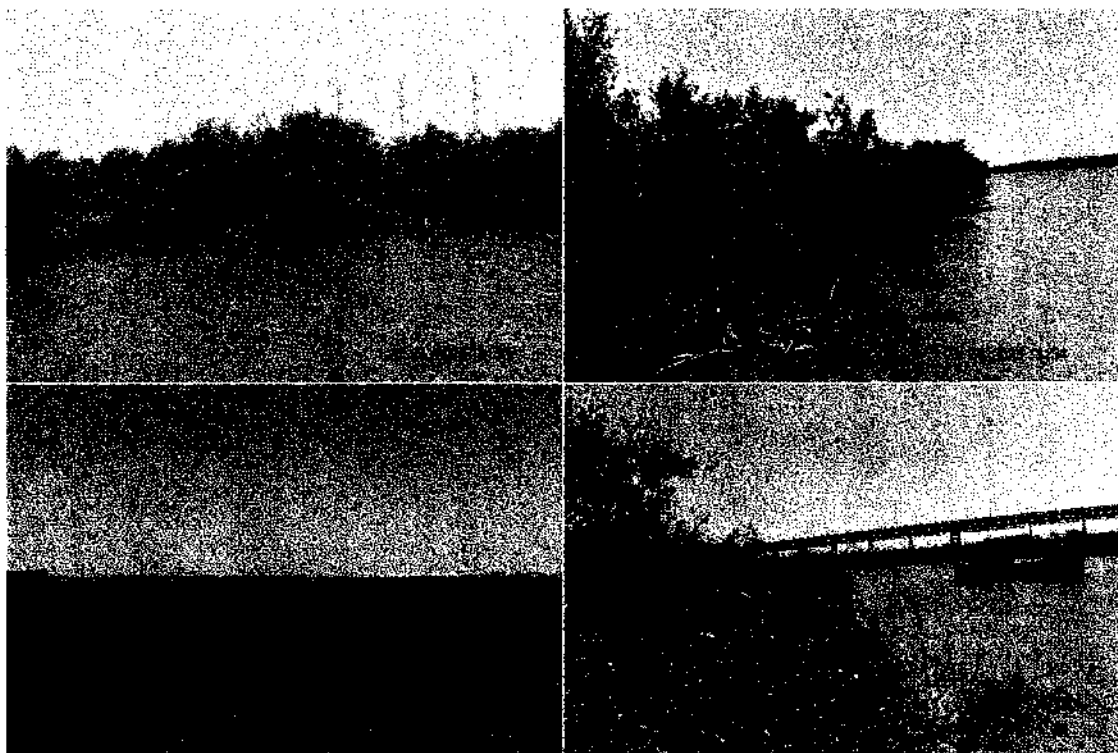


Fig. 12. Mangroves along the Kotdi Creek

b. Baradimata Creek

Baradimata Creek is one of the well tide-influenced creeks in the region. As of 2020, it exhibited a tidal range of 2.7 to 5 meters, with high tide penetration reaching up to 6.15 km from the creek mouth. The creek remains largely free from human interventions, aside from navigation by local fishing communities from nearby villages. The health of mangroves in the creek was assessed for the period 2021 to 2023, and the findings are presented in Table 5 and Figures 13 to 15. The analysis revealed increase in overall mangrove coverage, with major change of 16 hectares. Most of this variation is due to the formation of new mangroves, primarily in the dense category, along with minor inter-conversions, such as transitions from sparse to dense mangroves and new growth observed along smaller feeder creeks. A ~0.7% decrease in sparse mangroves, particularly in the south-western portion of the creek, is attributed to hydrodynamic activity that impacts edge vegetation, likely due to tidal scouring or erosion.

Table 5. Data on various categories of mangroves in the years 2021 and 2023 in Baradimata Creek

Category	Area in Hectares	
	2021	2023
Dense	324.27	382.41
Sparse	266.15	248.57
Scatter	513.76	489.26
Total	1104.18	1120.24

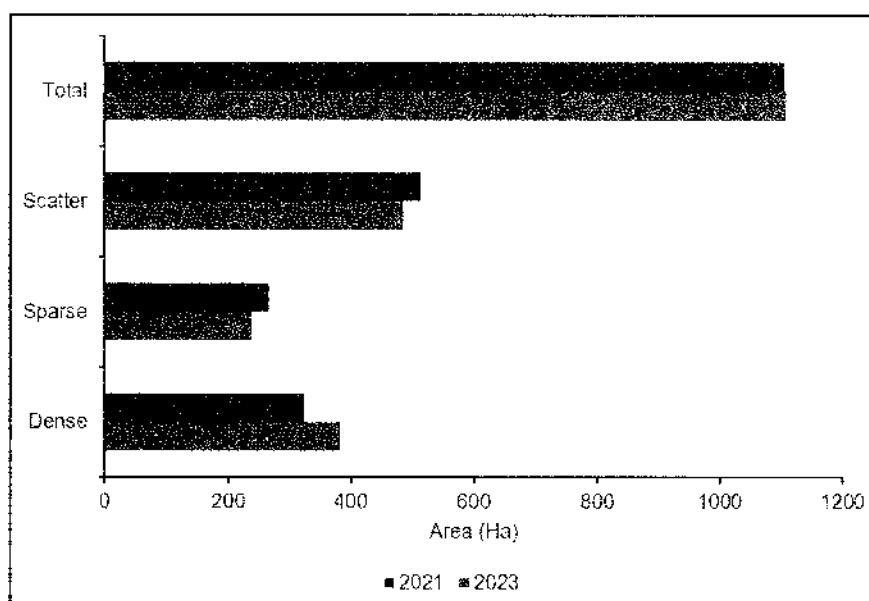


Fig. 13. Comparative analysis of various categories of mangroves in 2021 and 2023 in Baradimata Creek

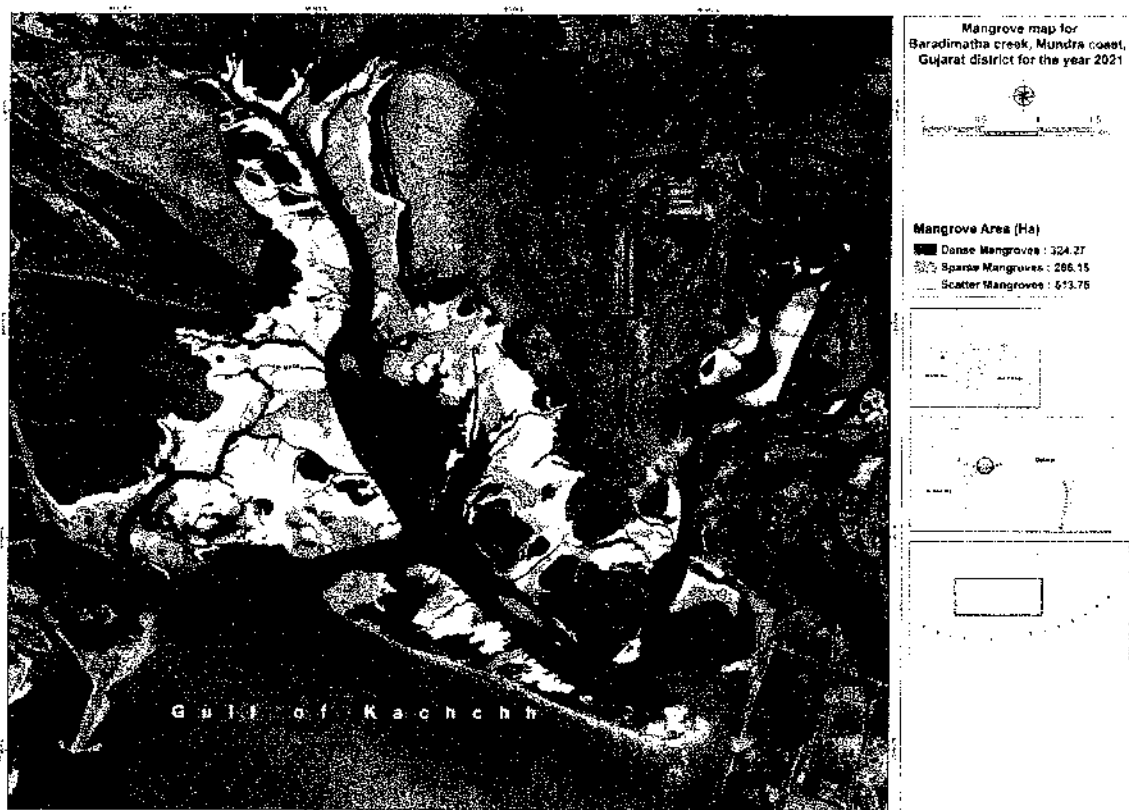


Fig. 14. Distribution of mangroves in Baradimatha Creek during 2021

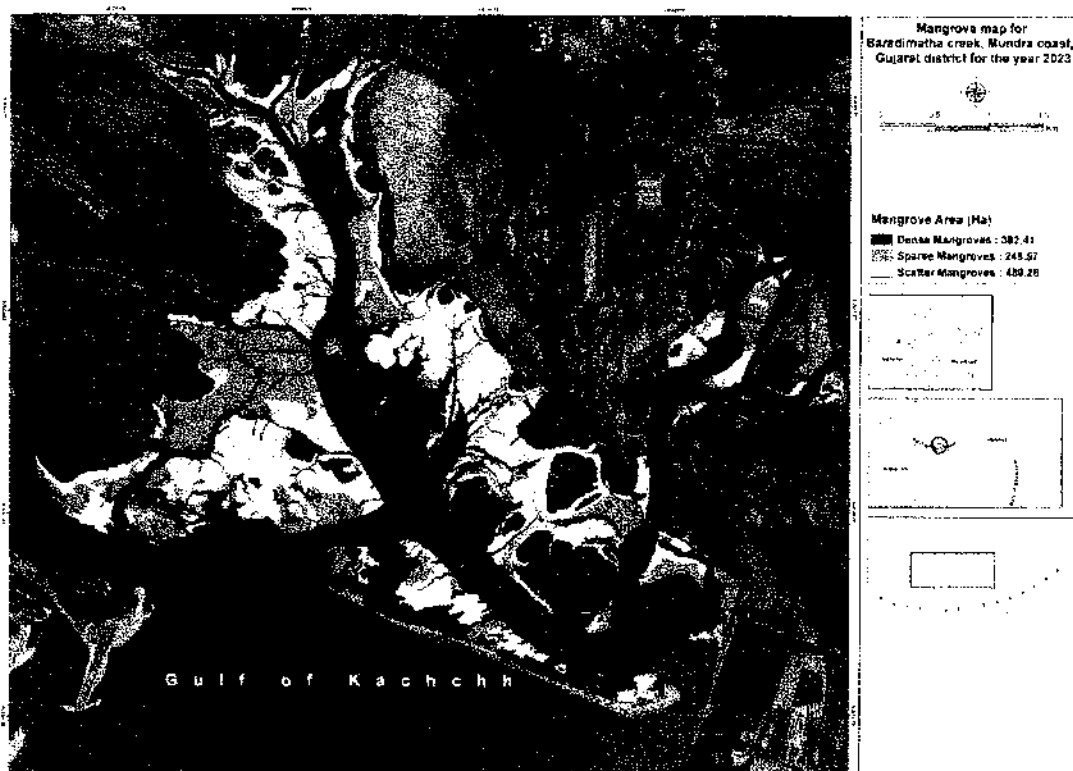


Fig. 15. Distribution of mangroves in Baradimatha Creek during 2023

Change analysis in Baradimata Creek

A focused change analysis of the southern tip of Baradimata Creek reveals that this area has undergone notable transformation between 2021 and 2023. Approximately 5.4 hectares of mangrove cover was lost in this zone, marking it as one of the more dynamic and vulnerable sections of the creek system.

This mangrove loss is primarily attributed to natural tidal processes, which include strong tidal currents, sediment redistribution, erosion of the creek banks, and prolonged submergence of mangrove root zones. These natural forces often act more intensely at the southern fringe, where tidal energy is typically higher, leading to gradual degradation of loosely established or younger mangrove stands.

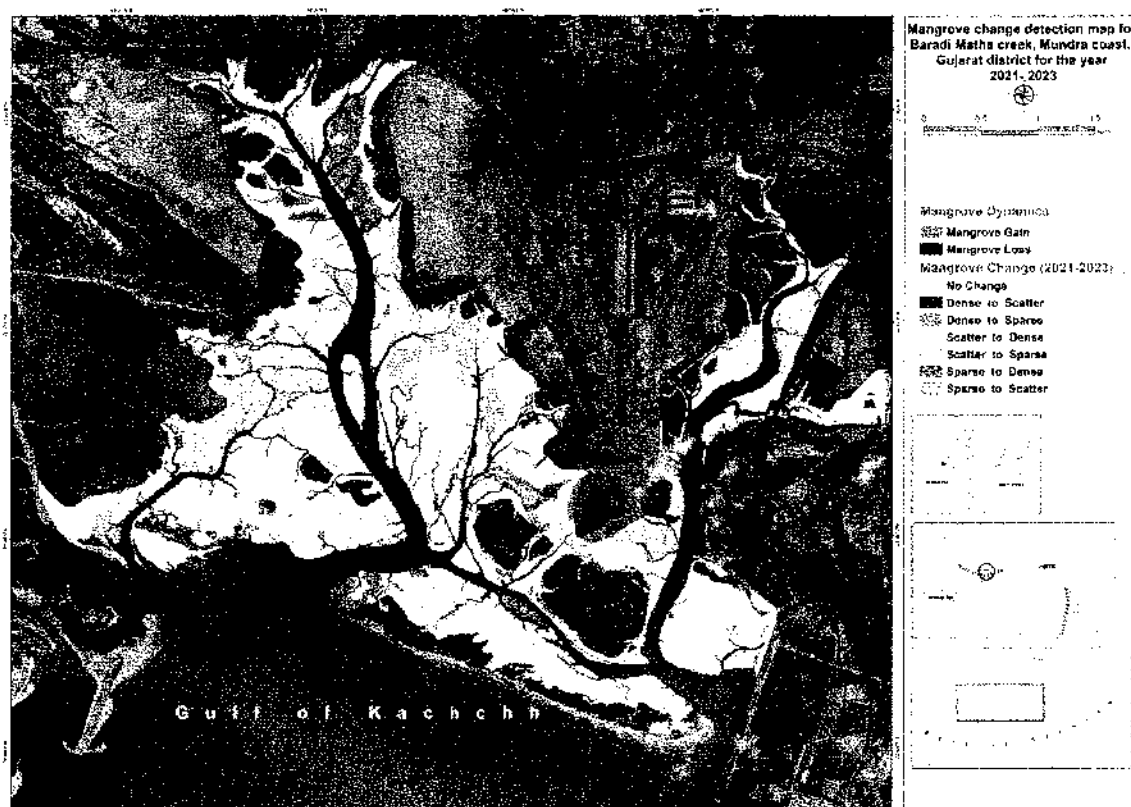


Fig. 16. Result of change analysis from 2021 to 2023 on categories of mangroves in Baradimata Creek system

Vegetation Structure in Baradimata Creek

The mangrove stand structure in Baradimata Creek was primarily dominated by *Avicennia marina*, which was identified as the most abundant species (IVI =

300). The density of *A. marina* was estimated at 5,220 trees per hectare, with a corresponding basal area of 25.18 m² ha⁻¹, indicating a well-established stand. The mean diameter at breast height (DBH) of the trees was 6.53 cm, with values ranging from 2.61 cm to 24.50 cm. The average tree height was recorded at 3.21 meters, ranging from 1.0 m to 6.0 m, reflecting a population structure dominated by small- to medium-sized individuals.

The diameter at breast height (DBH) distribution of mangrove trees in Baradimata Creek exhibits a highly skewed structure dominated by smaller-sized individuals (Fig. 17). The highest density was recorded in the >2.5 cm to 7.5 cm DBH class, with 3,793 trees ha⁻¹, followed by 840 trees ha⁻¹ in the >7.5 cm to 12.5 cm class and 407 trees ha⁻¹ in the >12.5 cm to 17.5 cm class.

Tree density significantly declined in higher DBH classes, with only 120 trees ha⁻¹ and 60 trees ha⁻¹ in the >17.5 cm to 22.5 cm and >22.5 cm to 27.5 cm classes, respectively. Notably, no individuals were recorded in DBH classes above 27.5 cm, including >32.5 cm to 37.5 cm and >37.5 cm.

The observed DBH distribution reflects a reverse J-shaped pattern, typical of young and regenerating mangrove stands. The dominance of smaller diameter classes indicates a high rate of recruitment and regeneration, while the absence of large-diameter trees suggests limited representation of mature individuals. This may be due to recent establishment, selective harvesting, natural disturbance, or environmental constraints that inhibit long-term growth.

Such a structure is indicative of an early to mid-successional stage, where the forest is actively regenerating but has not yet reached maturity. Continued protection and monitoring will be essential to support the transition toward a more structurally diverse and ecologically stable mangrove ecosystem.

The height class distribution of mangrove trees in Baradimata Creek revealed a unimodal pattern (Fig. 18). Tree density was highest in the >2.2 m to 2.9 m height class, with 1,640 individuals ha⁻¹, followed by the >3.6 m to 4.3 m class with 1,340 individuals ha⁻¹ and the >2.9 m to 3.6 m class with 973 individuals ha⁻¹. The lowest densities were recorded in the >5.7 m (27 individuals ha⁻¹) and >5.0 m to 5.7 m (93 individuals ha⁻¹) categories. The shortest height class (≥0.8 m to 1.5 m) had 233 individuals ha⁻¹, while the >1.5 m to 2.2 m class recorded 540 individuals ha⁻¹.

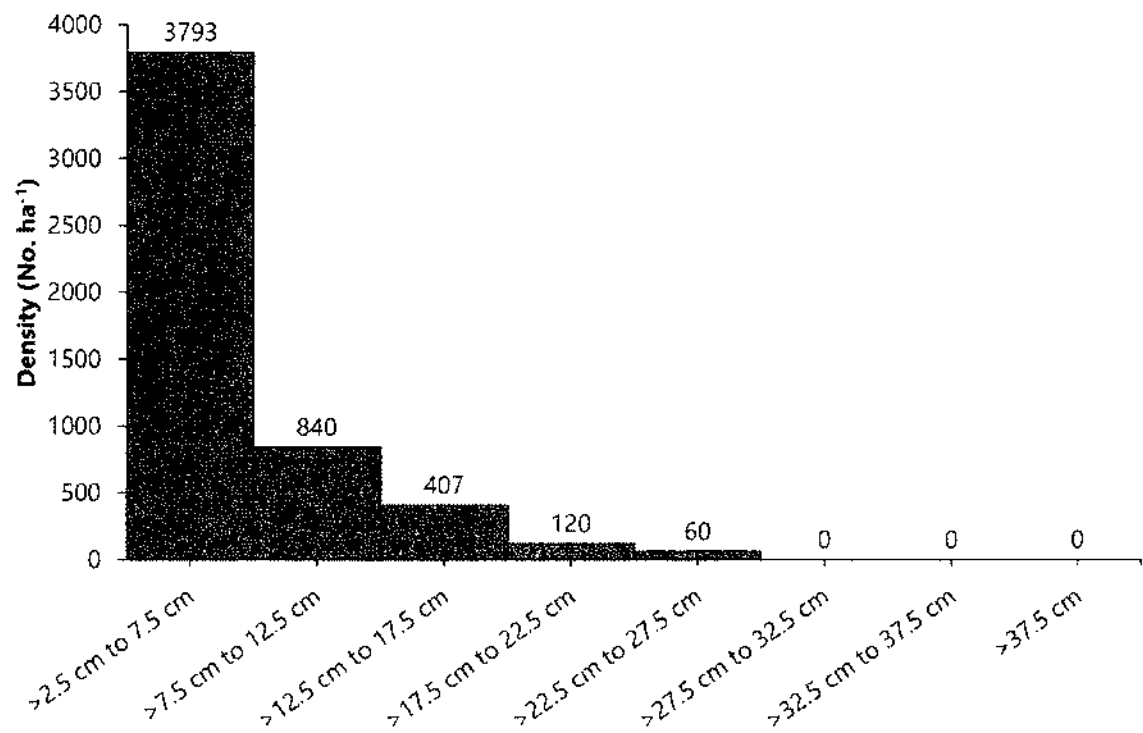


Fig. 17. Mangrove tree density by DBH (cm) size classes in Baradimata Creek

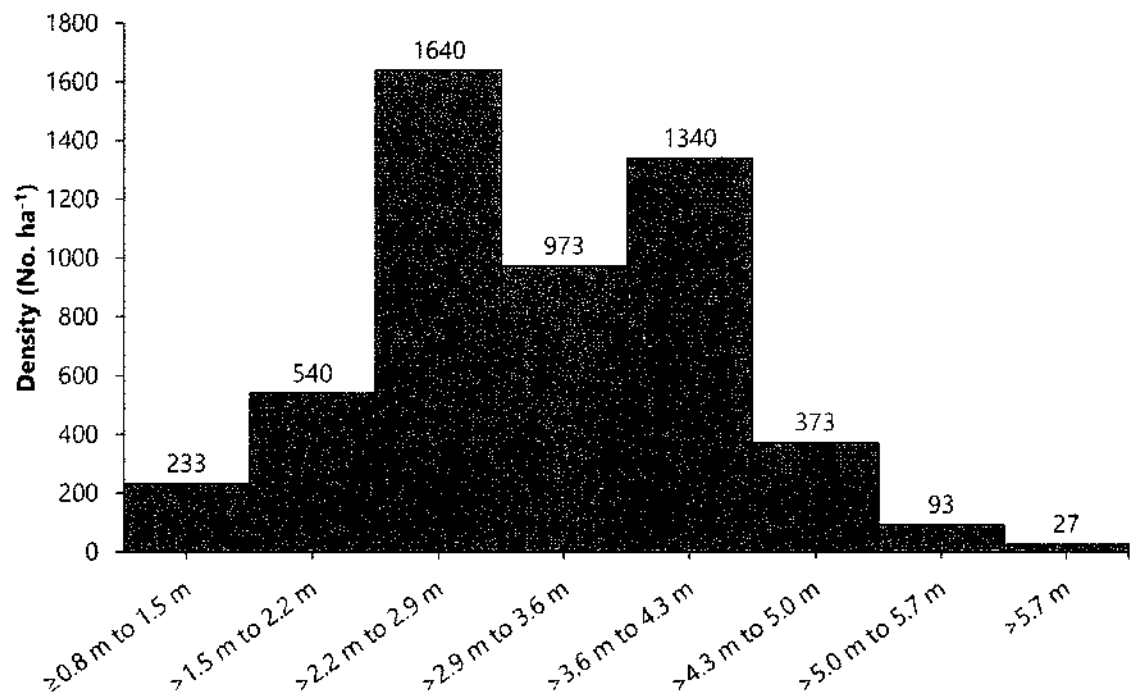


Fig. 18. Mangrove tree density by height (m) size classes in Baradimata Creek

The dominance of trees in the >2.2 m to 4.3 m height range indicates that the mangrove stand in Baradimata Creek is primarily composed of young to mid-aged individuals. The relatively low density of trees in the taller height classes (>5.0 m) suggests a limited presence of mature trees, potentially reflecting either recent regeneration, past disturbance, or environmental limitations affecting tree growth. The presence of trees in the shorter height classes also indicates ongoing recruitment. Overall, the structure suggests a regenerating or early successional mangrove forest in the creek.

The seedling (*A. marina*) density in Baradimata Creek was estimated at 1,16,000 seedlings ha⁻¹, indicating active natural regeneration within the mangrove stand.



Fig. 19. Mangroves along the Baradimata Creek

c. Navinal-Bocha Creeks including Bocha Island

The Navinal–Bocha Creek system is a complex tidal network, with Navinal Creek located adjacent to the Adani Port and Bocha Creek connecting to Navinal in the north, leading to the formation of Bocha Island, which supports substantial dense mangrove cover. The mouths of these creeks receive strong tidal inflow, particularly Navinal Creek, as its mouth serves as a primary water entry point to the port. Moving northward, Navinal Creek narrows and flows eastward to connect with Bocha Creek. The creek banks support fair to good

mangrove growth, with Bocha Island exhibiting dense mangrove stands. The spatial distribution of mangroves in 2021 and 2023 is illustrated in Figures 20 to 22, and the corresponding area statistics are provided in Table 6.

The analysis shows that the mangrove cover in the system remained largely stable, with only a marginal decrease of 6 hectares (~1.1%) between 2021 and 2023. Dense mangrove cover declined from 287.25 ha to 281.13 ha, with most of the reduction observed in the southernmost part of the coastline. Scattered mangroves also showed a decline, primarily along creek edges, likely due to periodic tidal submergence and inundation, resulting in natural stress and erosion along the mangrove fringe.

Conversely, a slight increase of 0.5% in sparse mangrove cover was observed across the Navinal–Bocha Island and Bocha Creek system, indicating localized regrowth or transitional changes. Overall, the mangroves appear to be in stable condition, supported by normal tidal flow patterns.

Table 6. Data on distribution of mangroves in 2021 and 2023 in Navinal- Bocha Creek system

Category	Area in Hectares	
	2021	2023
Dense	287.33	284.33
Sparse	53.17	55.71
Scatter	193.52	188.07
Total	534.02	528.11

However, the overall increase in mangrove in the Navinal-Bocha Creek system shows prevalence of normal conditions, specific attention was drawn in the case of Navinal Creek in the conservation due to formation of sand spits. It was postulated that continued growth of sand spit across the creek might reduce tidal flow in future, which may affect the growth of the mangroves. In this regard, it is pertinent to draw the following made for mangroves in Navinal Creek in the Conservation plan:’

Sand/silt spits were observed on the banks of Navinal Creek and some of them were extending close to Bocha Island. If such spits continue to grow, they may obstruct tidal flow leading to reduced tidal water supply to the northern banks of Navinal Creek and the Bocha Island. Therefore, assessment of the health of mangroves should also be carried out along the Navinal Creek. If the health of

the mangroves either remains at the current condition or improves, the situation should be monitored once in every two years using high-resolution satellite images. If there are signs of degradation of mangroves due to decrease of flow of tidal waters in the interior parts of the Navinal Creek, Bocha island that are fed by tidal waters of Navinal Creek, then it would be necessary to deepen the Navinal Creek to facilitate movement of tidal water

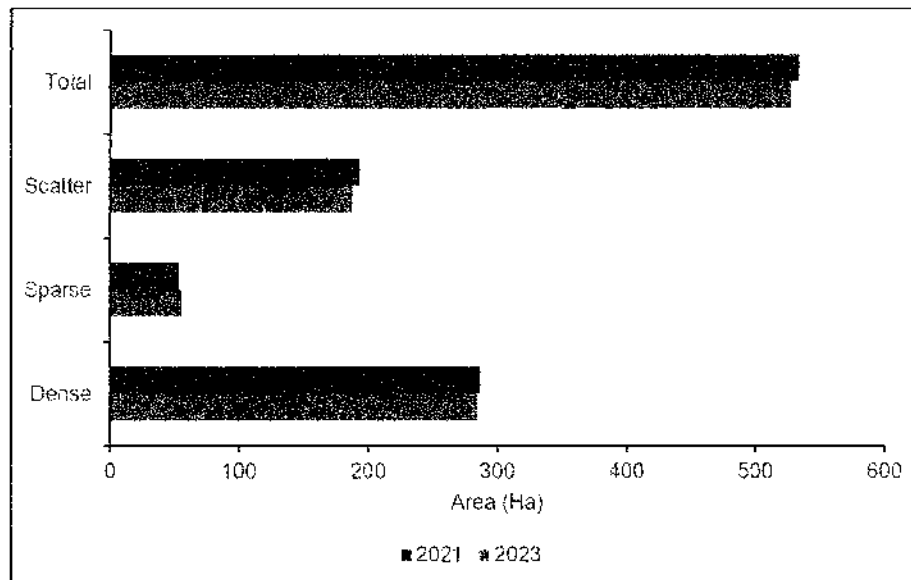


Fig. 20. Comparison on distribution of mangroves between 2021 and 2023 in Navinal-Bocha Creek system

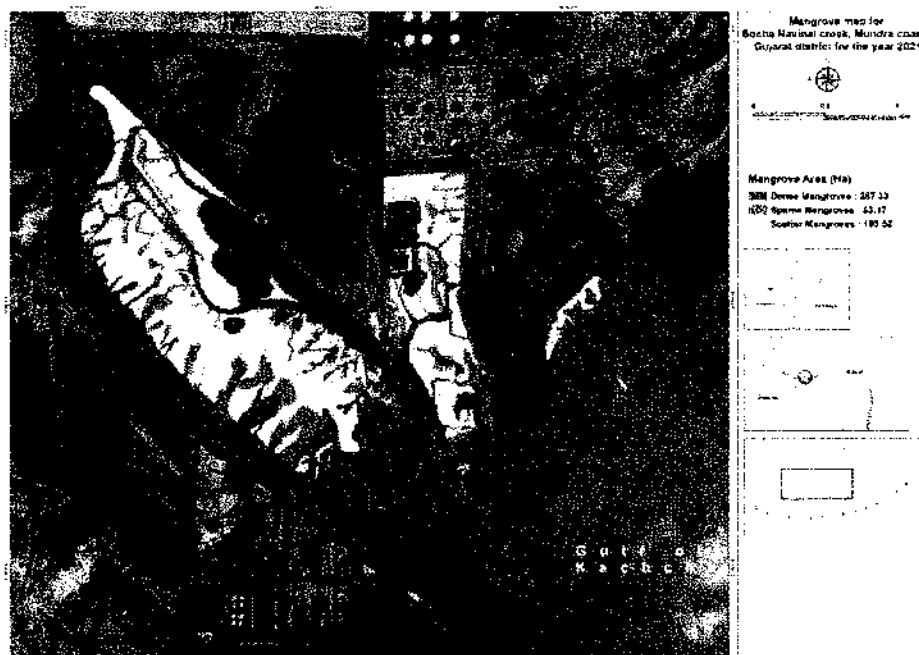


Fig. 21. Distribution of various categories of mangroves Navinal-Bocha Creek system for the year 2021

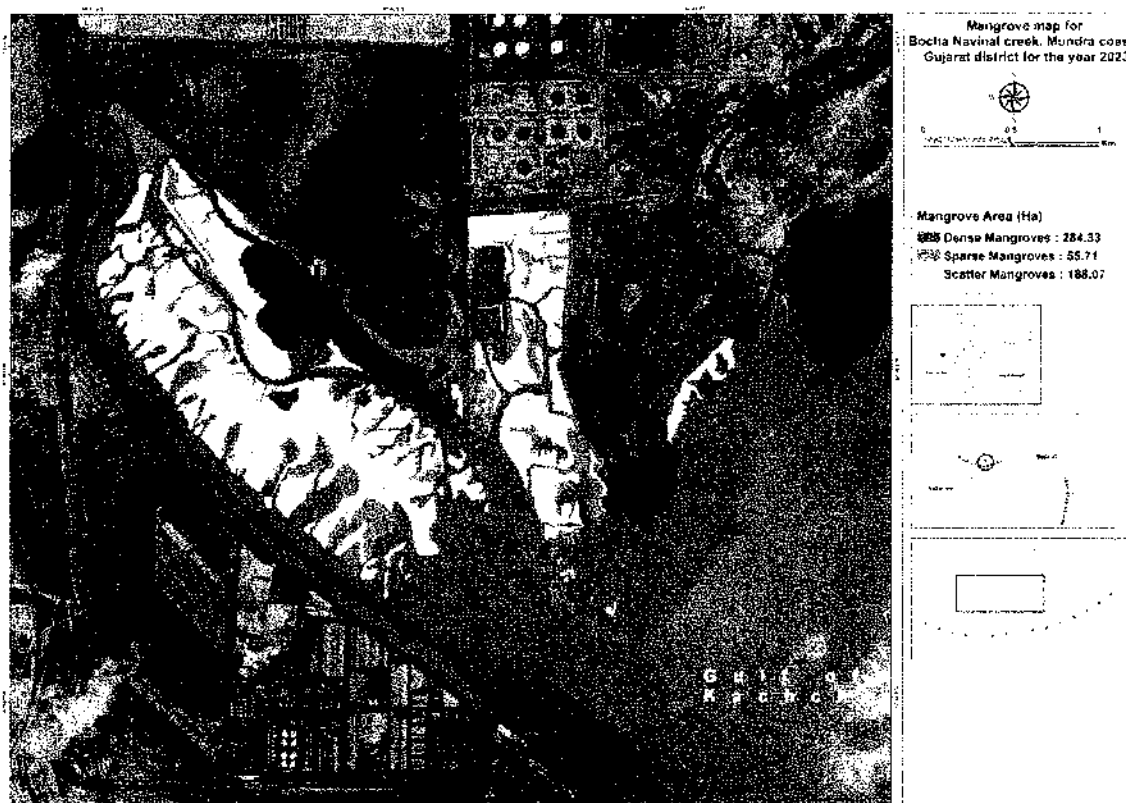


Fig. 22. Distribution of various categories of mangroves of Navinal-Bocha Creek system for the year 2023

Change analysis in Navinal-Bocha Creeks including Bocha Island

The change analysis, carried out using GIS overlay techniques to evaluate inter-conversion among dense, sparse, and scattered mangrove categories, indicates a net loss of dense mangroves totalling 0.6 hectares, primarily concentrated at the tip of Bocha Island (Fig. 23). This observation aligns with the findings from the Conservation Plan, which had reported a loss of 5.33 hectares of dense mangroves in the same location during the period 2011 to 2016–17.

The current results confirm that erosion at the tip of Bocha Island is ongoing, contributing to the continued loss of dense mangrove cover. However, a marginal gain of 1.22 hectares in sparse mangroves was recorded, which may be attributed to regrowth or colonization in adjacent mudflat areas, indicating some level of natural recovery within the system.

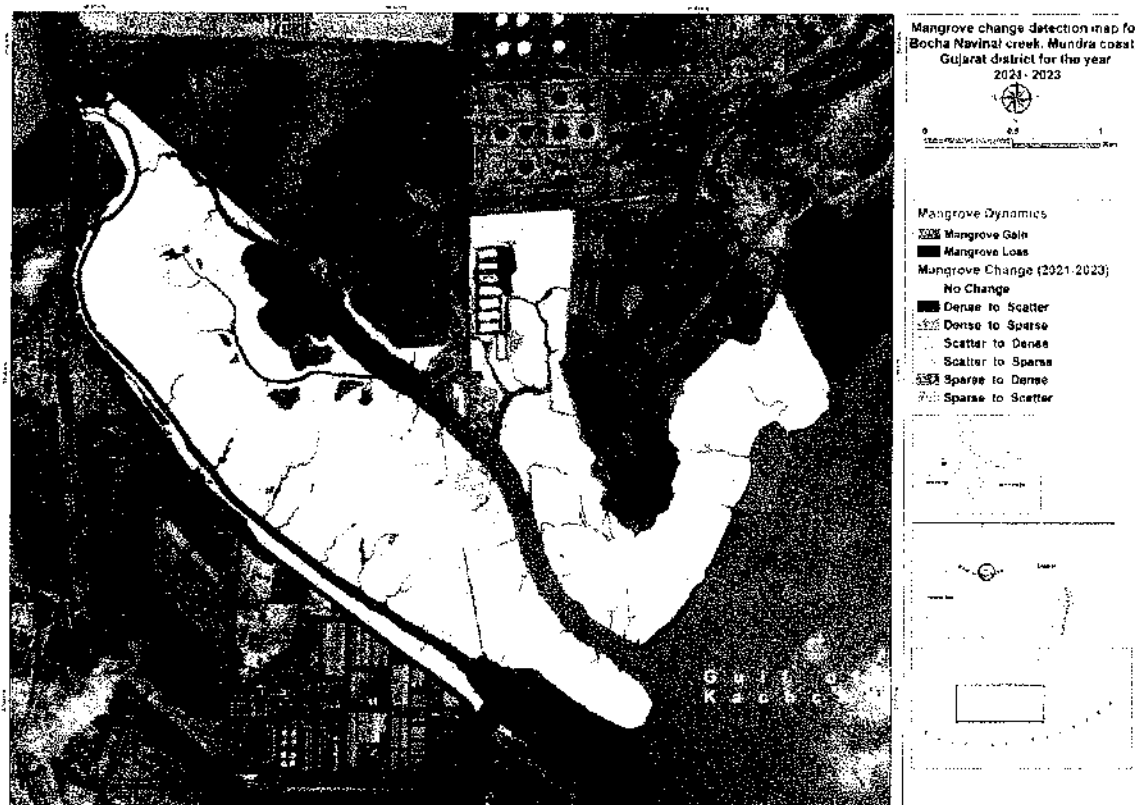


Fig. 23. Result of change analysis from 2021 to 2023 on categories of mangroves in Navinal-Bocha Creek system

Vegetation Structure in Navinal-Bocha Creek

The mangrove stand structure in Navinal-Bocha Creek was predominantly composed of *Avicennia marina*, which emerged as the most abundant species based on its high Importance Value Index (IVI = 264.13). It was followed by *Ceriops tagal* (IVI = 20.01) and *Rhizophora mucronata* (IVI = 15.86). The overall density of mangrove trees was estimated at 4,533 trees ha⁻¹, with a corresponding basal area of 25.17 m² ha⁻¹, indicative of a well-established and mature mangrove stand. Among the species, *A. marina* exhibited the highest density, accounting for 3,958 trees ha⁻¹ and a basal area of 24.36 m² ha⁻¹. This was followed by *R. mucronata* with 333 trees ha⁻¹ (0.46 m² ha⁻¹) and *C. tagal* with 242 trees ha⁻¹ (0.34 m² ha⁻¹).

The mean diameter at breast height (DBH) of trees in the Navinal-Bocha Creek mangrove stand was 6.75 cm, with values ranging from 2.83 cm to 41.36 cm. The average tree height was 2.57 m, varying between 1.0 m and 5.2 m, indicating a population structure largely composed of small- to medium-sized individuals.

Among the species, *Avicennia marina* exhibited an average DBH of 7.13 cm (range: 2.83–41.36 cm) and an average height of 2.62 m (range: 1.0–5.2 m). *Ceriops tagal* had an average DBH of 4.22 cm (range: 3.09–4.26 cm) and an average height of 1.91 m (range: 1.9–2.1 m). *Rhizophora mucronata* showed an average DBH of 4.09 cm (range: 3.25–6.20 cm) and an average height of 2.41 m (range: 2.0–4.0 m).

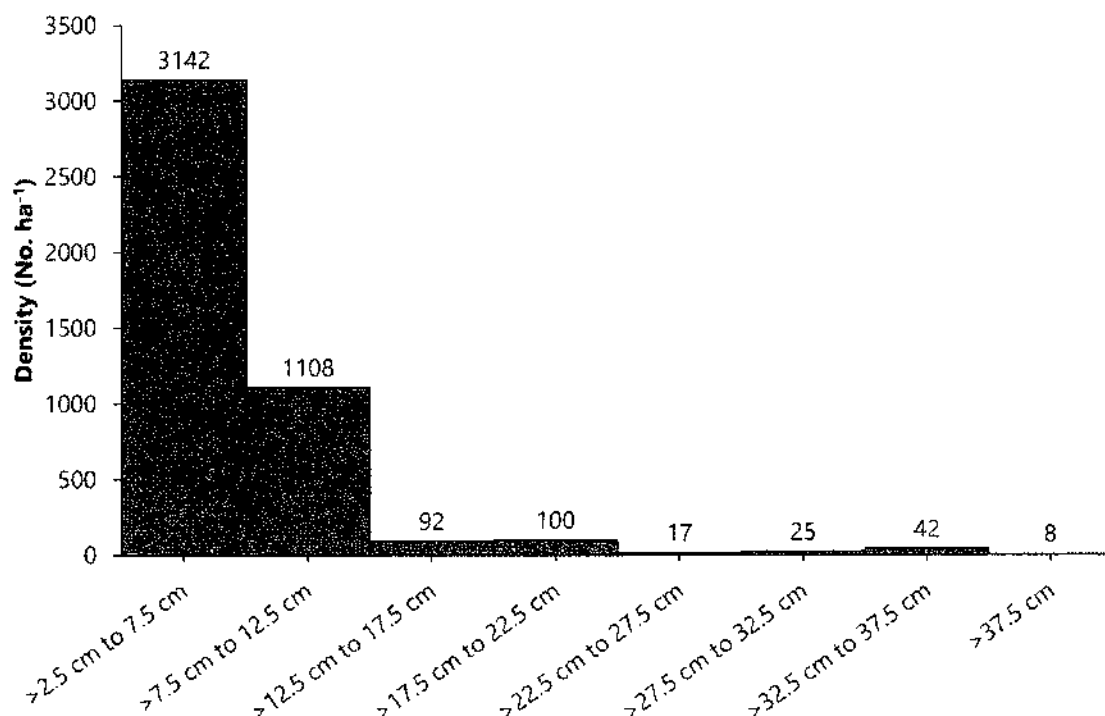


Fig. 24. Mangrove tree density by DBH (cm) size classes in Navinal-Bocha Creek

The diameter class distribution of mangrove trees in Navinal-Bocha Creek revealed a highly skewed structure, dominated by individuals in the lower DBH ranges (Fig. 24). The highest tree density (3,142 trees ha⁻¹) was recorded in the smallest diameter class of >2.5 cm to 7.5 cm, followed by 1,108 trees ha⁻¹ in the 7.5 cm to 12.5 cm class. Tree density declined sharply beyond this range, with only 92–100 trees ha⁻¹ observed in the mid-diameter classes (12.5 cm to 22.5 cm). The higher diameter classes (>22.5 cm) had very low densities, ranging from eight to 42 trees ha⁻¹.

This distribution indicates a population dominated by younger or regenerating individuals, with a progressively decreasing number of larger, mature trees. Such a pattern is characteristic of a developing or regenerating mangrove

stand, where recruitment is active but the proportion of older individuals remains low.

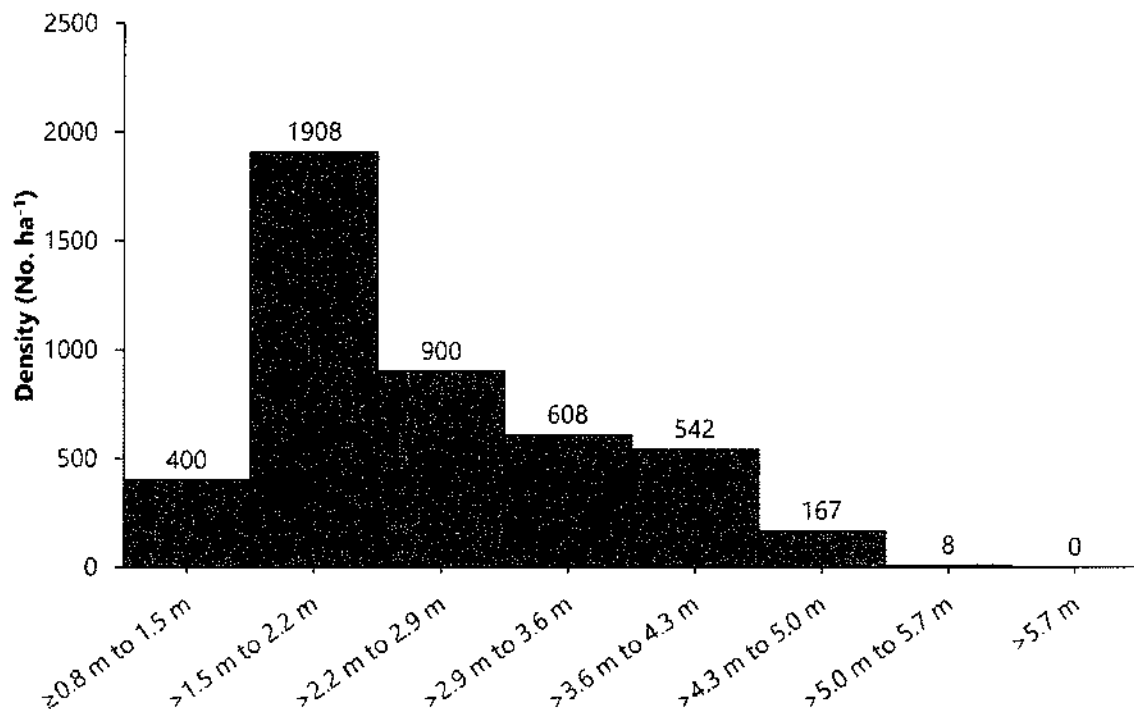


Fig. 25. Mangrove tree density by height (m) size classes in Navinal-Bocha Creek

The height class distribution of mangrove trees in Navinal-Bocha Creek exhibited a unimodal pattern, with the majority of individuals concentrated in the mid-height range (Fig. 25). The highest density (1,908 trees ha⁻¹) was recorded in the 1.5 m to 2.2 m height class, followed by 900 trees ha⁻¹ in the 2.2 m to 2.9 m class. Smaller individuals (0.8 m to 1.5 m) accounted for 400 trees ha⁻¹.

A gradual decline in density was observed in higher height classes: 608 trees ha⁻¹ (2.9 m to 3.6 m), 542 trees ha⁻¹ (3.6 m to 4.3 m), and 167 trees ha⁻¹ (4.3 m to 5.0 m). Very few individuals were recorded in the tallest height classes, with only eight trees ha⁻¹ in the 5.0 m to 5.7 m range and none beyond 5.7 m.

This pattern indicates a predominance of small- to medium-sized trees within the population, suggesting either a regenerating stand or one under environmental or anthropogenic constraints that limit vertical growth.

The seedling density of *Avicennia marina* and *Rhizophora mucronata* in Navinal-Bocha Creek was estimated at 33,333 seedlings ha⁻¹, indicating active natural regeneration within the mangrove stand.



Fig. 26. Mangroves along the Navinal-Bocha Creek

(Photographs in the last row show brown dust deposits likely originating from the adjacent port region)

Mangrove erosion along the creek has occurred primarily due to natural processes such as bank erosion (Fig. 27). Despite the diversion of two channels upstream in Bocha Creek, afforestation efforts involving *Avicennia marina* were undertaken. During the present survey, natural mangrove colonization was observed, with scattered individuals establishing alongside the salt marsh species *Suaeda nudiflora* (Fig. 28), indicating resilience and ongoing regeneration in the altered landscape.

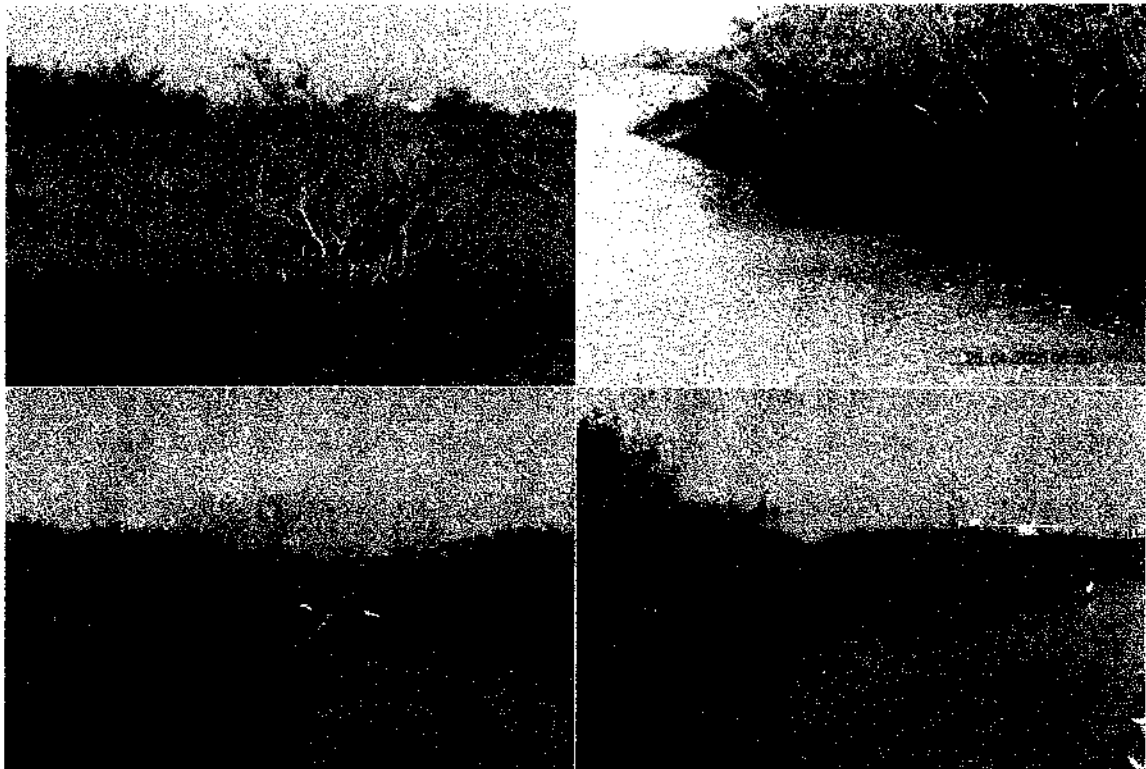


Fig. 27. Bund Erosion in the Navinal-Bocha Creek

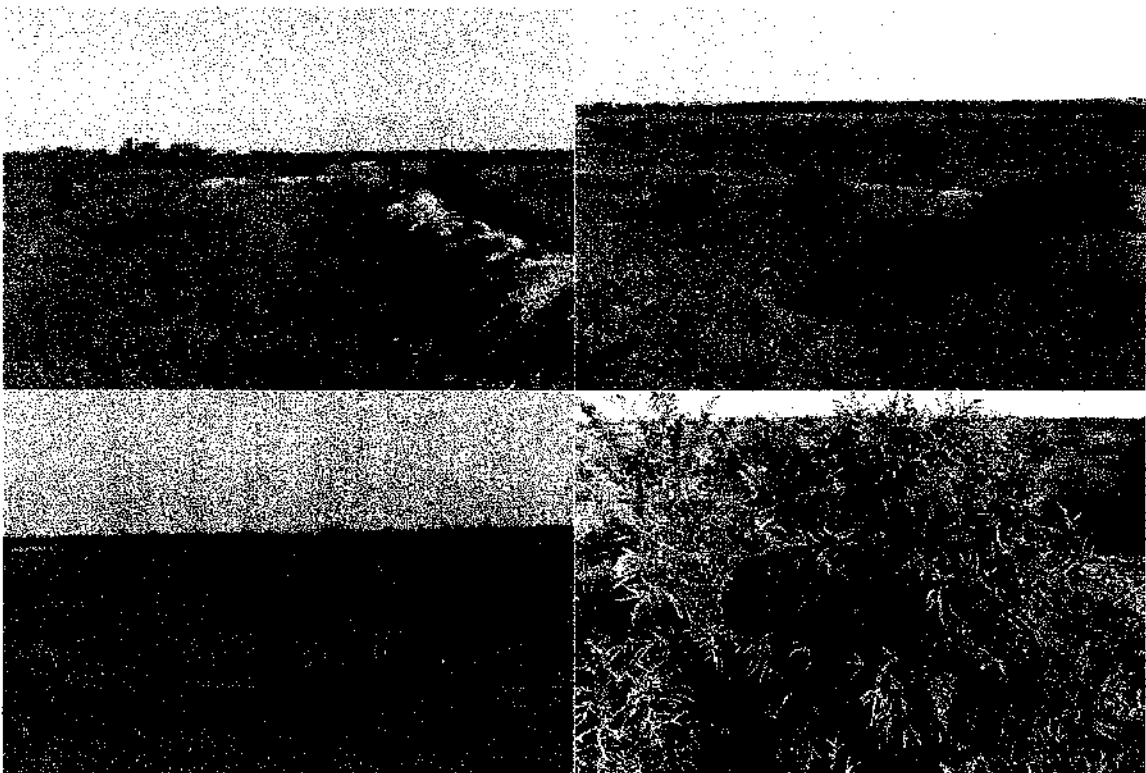


Fig. 28. Natural colonization of mangroves in the newly opened channel
(*Suaeda nudiflora* – right bottom)

d. Khari Creek

Khari Creek experiences normal tidal flow, with settlements located in its northern part, particularly near Junabunder village. The distribution of mangroves between 2021 and 2023 was analysed, and the results are presented in Table 7 and Figure 29, with mangrove categories detailed in Figures 30 and 31. The analysis indicates a marginal increase of 1 hectares, representing a 0.34% increase in total mangrove cover compared to 2021. This minor growth is primarily attributed to the conversion of sparse mangroves into both dense and scattered categories, particularly along the tip of the island, reflecting natural transitional changes associated with annual tidal variations.

In contrast, a notable gain of approximately 8 hectares was observed in the scattered mangrove category, indicating natural expansion over adjacent mudflats and colonization near the creek mouth. This suggests that, despite minor losses, the overall mangrove ecosystem in Khari Creek remains dynamic and stable, with signs of healthy regeneration.

Table 7. Distribution of various categories of mangroves in 2021 and 2023 in Khari Creek

Category	Area (Hectares)	
	2021	2023
Dense	208.95	209.97
Sparse	57.63	32.45
Scatter	35.20	57.63
Total	301.78	300.05

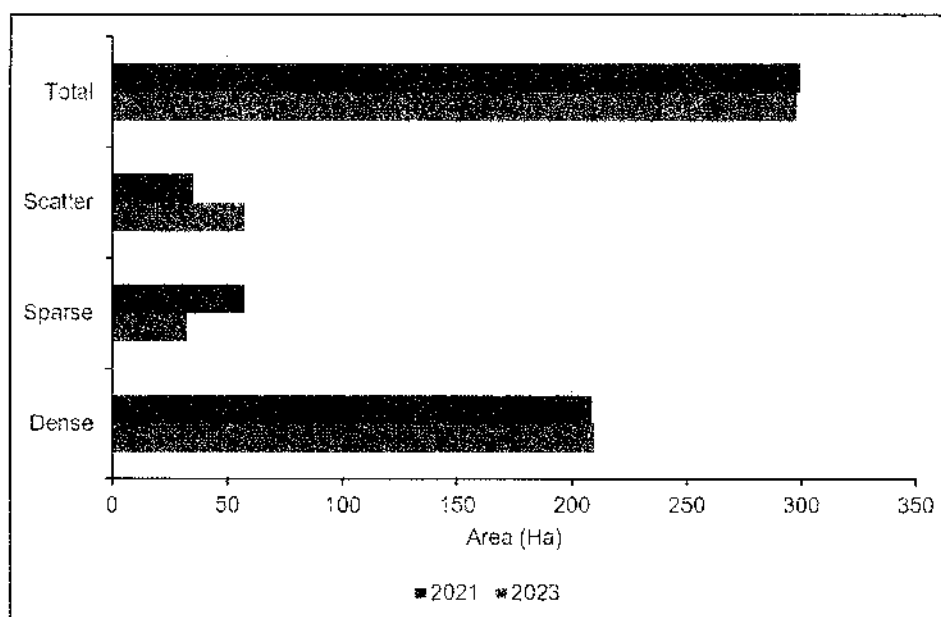


Fig. 29. Comparison of mangroves in 2021 and 2023 in Khari Creek

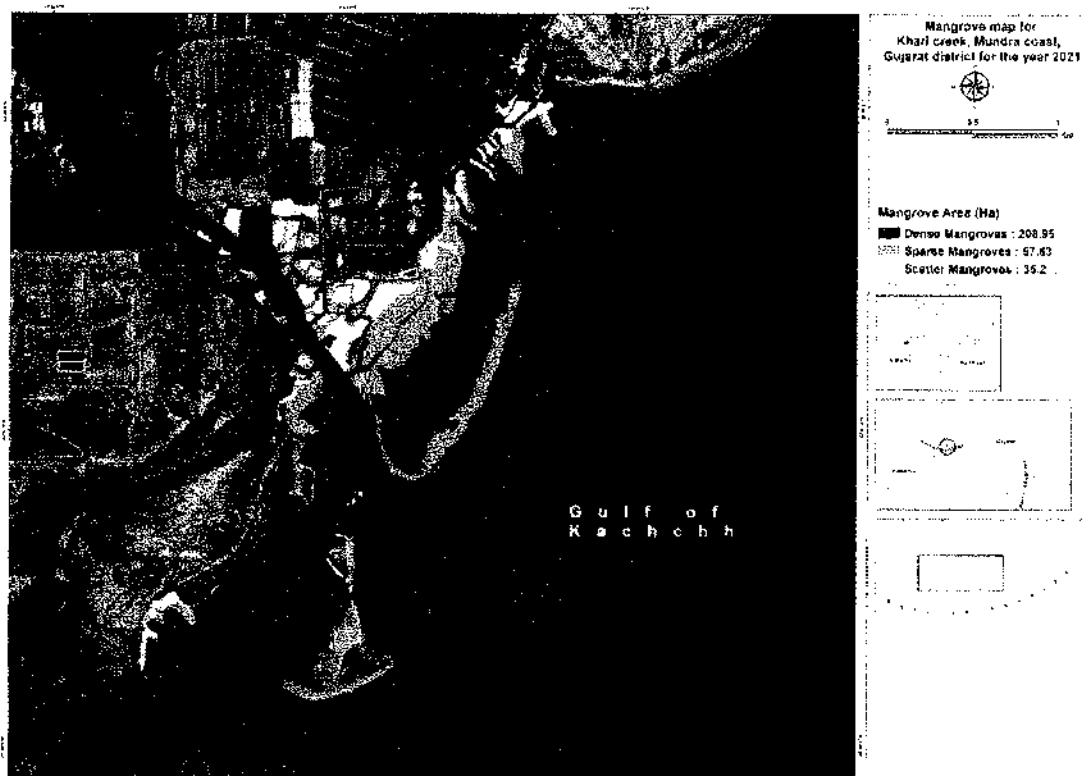


Fig. 30. Distribution of various categories of mangroves in Khari Creek system for the year 2021

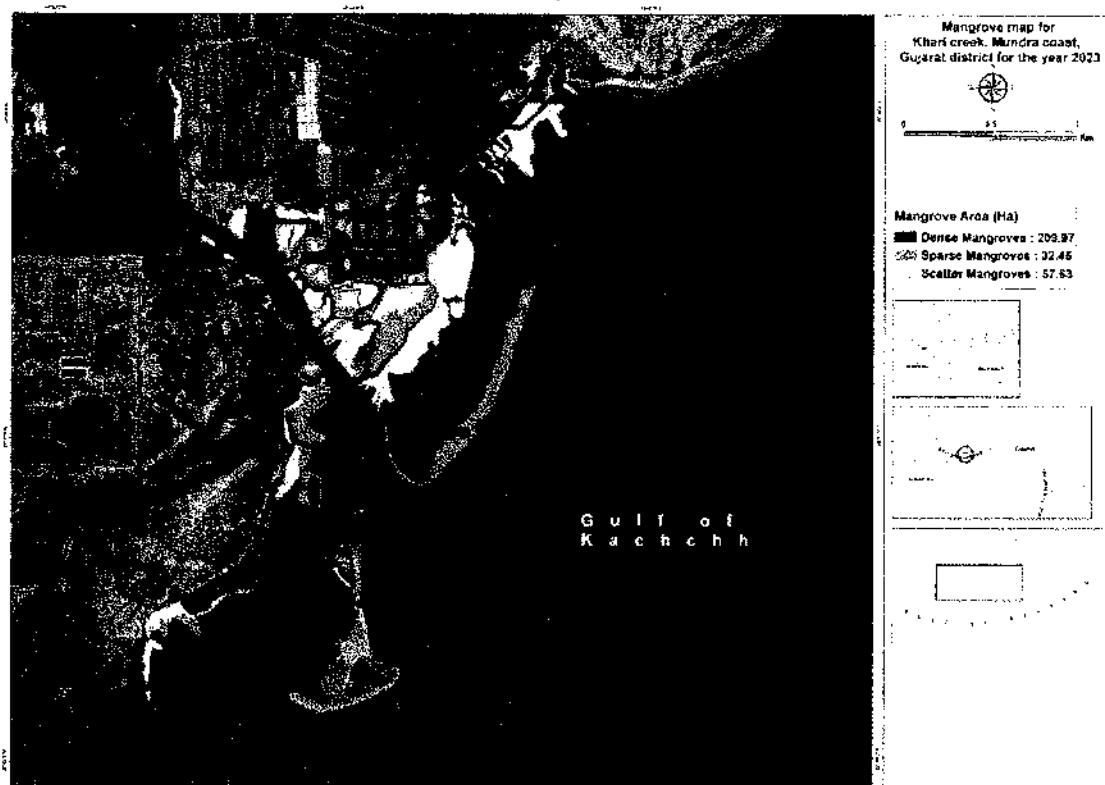


Fig. 31. Distribution of various categories of mangroves in Khari Creek system for the year 2023

Change analysis in Khari Creek

An assessment of Khari Creek between 2021 and 2023 reveals a mixed pattern of mangrove change, characterized by both localized loss and noticeable gain across different zones of the creek system (Fig. 32). A significant loss of approximately 3.5 hectares was recorded at the southern tip of the creek, where the water body opens into the tidal zone. This area is subject to intense tidal currents, wave energy, and sediment transport, which can destabilize younger mangrove stands. The loss is likely due to natural coastal dynamics, including tidal erosion and scouring of exposed mud banks, Submergence stress due to prolonged waterlogging during high tides, etc. In contrast to the loss at the tip, significant gains in mangrove cover were observed in the interior parts of the creek and along mudflat regions near the creek mouth.

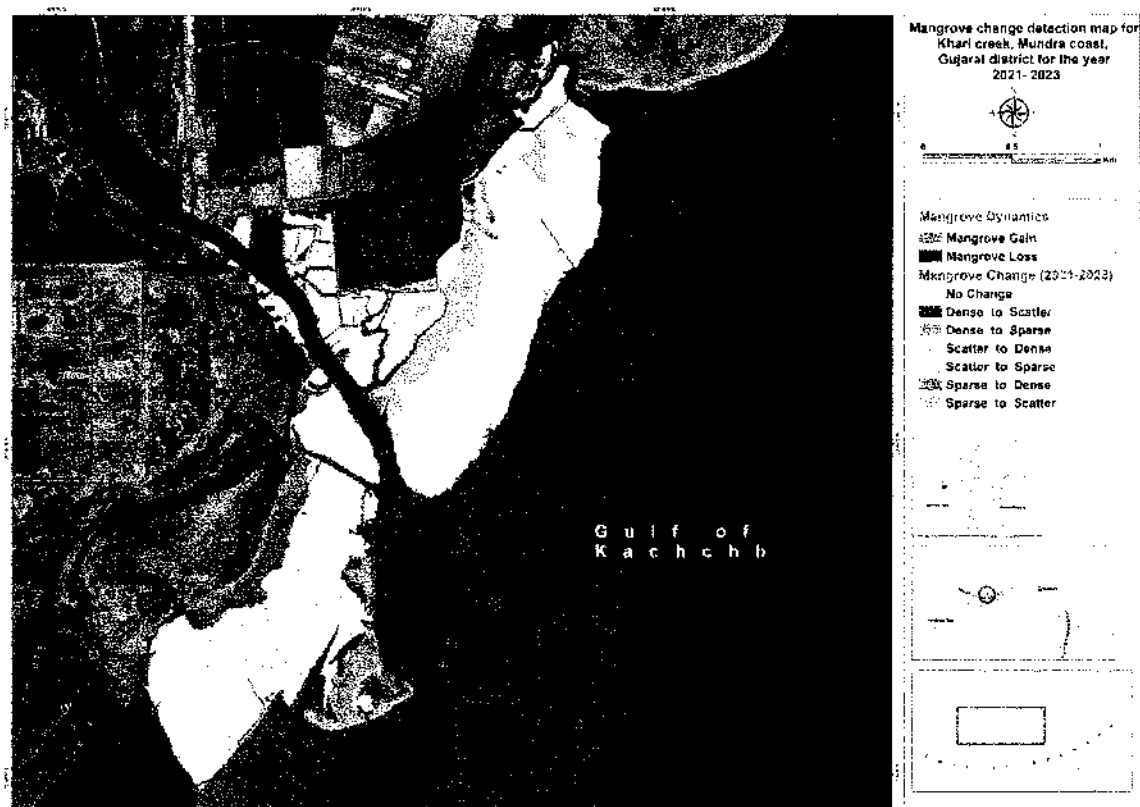


Fig. 32. Result of change analysis from 2021 to 2023 on categories of mangroves in Khari Creek system

Vegetation Structure in Khari Creek

The mangrove stand structure in Khari Creek was primarily dominated by *Avicennia marina*, which was identified as the most abundant species (IVI = 300). The density of *A. marina* was estimated at 4,300 trees ha⁻¹, with a

corresponding basal area of 33.96 m² ha⁻¹, indicating a well-established stand. The mean diameter at breast height (DBH) of the trees was 8.23 cm, with values ranging from 2.61 cm to 38.34 cm. The average tree height was recorded at 2.84 meters, ranging from 1.4 m to 6.2 m, reflecting a population structure dominated by small- to medium-sized individuals.

The diameter at breast height (DBH) class distribution of mangrove trees in Khari Creek reveals a population structure skewed towards smaller diameter classes (Fig. 33). The highest density was recorded in the smallest DBH class of >2.5 cm to 7.5 cm, with 3,045 trees ha⁻¹. This was followed by 455 trees ha⁻¹ in the 7.5 cm to 12.5 cm class and 436 trees ha⁻¹ in the 12.5 cm to 17.5 cm class. Tree density declined progressively with increasing diameter, with 245 trees ha⁻¹ in the 17.5 cm to 22.5 cm class and sharply lower densities beyond this range—45 and 55 trees ha⁻¹ in the 22.5–32.5 cm classes, and only nine trees ha⁻¹ each in the 32.5–37.5 cm and >37.5 cm classes.

This distribution suggests that the mangrove stand in Khari Creek is primarily composed of younger or regenerating individuals, with a relatively low proportion of mature trees in the higher diameter classes. The dominance of smaller DBH classes reflects ongoing recruitment and a dynamic, regenerating stand structure.

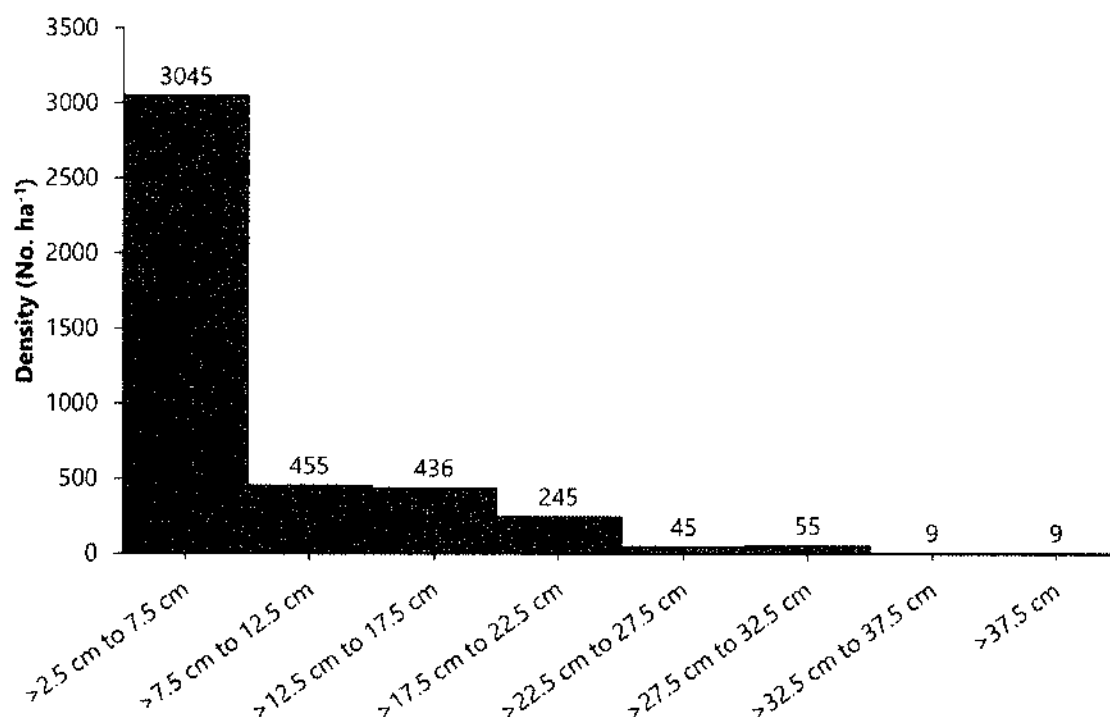


Fig. 33. Mangrove tree density by DBH (cm) size classes in Khari Creek

The height class distribution of mangrove trees in Khari Creek reflects a population dominated by medium-height individuals. The highest tree density was recorded in the 1.5 m to 2.2 m class, with 1,582 trees ha⁻¹, followed by the 2.2 m to 2.9 m class with 1,045 trees ha⁻¹.

The smallest height class (0.8 m to 1.5 m) contained 245 trees ha⁻¹, while moderate densities were observed in the mid- to upper-height ranges: 382 trees ha⁻¹ in the 2.9 m to 3.6 m class, 473 in the 3.6 m to 4.3 m class, and 355 in the 4.3 m to 5.0 m class. Tree density declined further in the tallest height classes, with 200 trees ha⁻¹ in the 5.0 m to 5.7 m range and only 18 trees ha⁻¹ beyond 5.7 m.

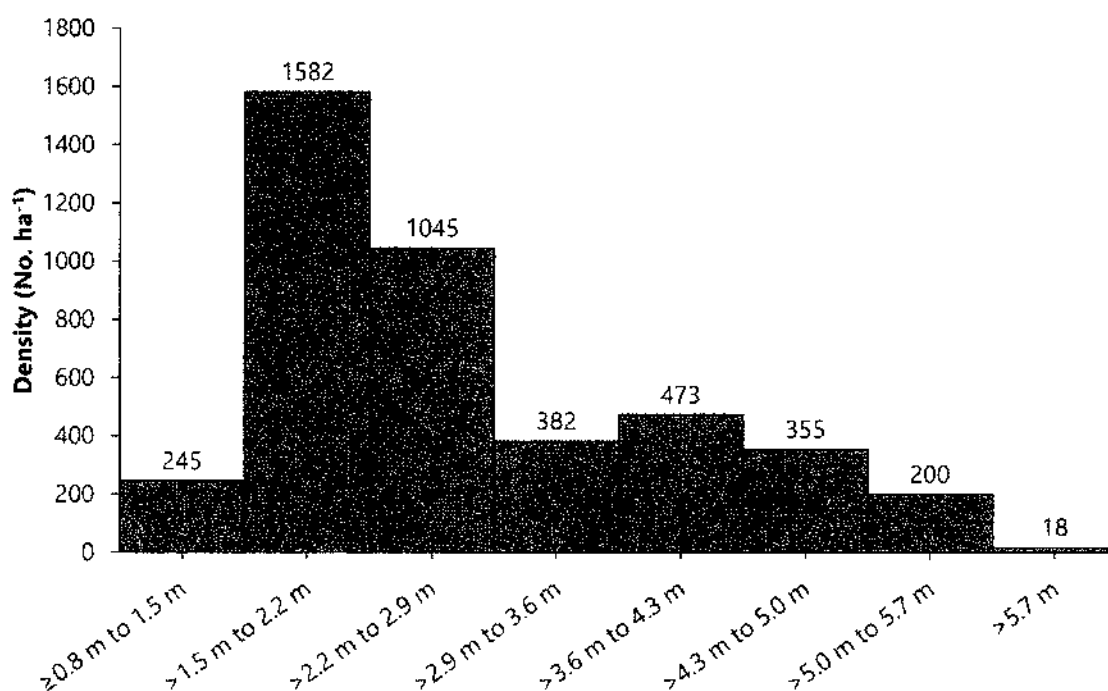


Fig. 34. Mangrove tree density by height (m) size classes in Khari Creek

This distribution suggests a well-established and vertically stratified stand, with dominance of small to medium trees and a moderate representation of taller individuals, indicative of a maturing mangrove population with ongoing regeneration.

The seedling density of *Avicennia marina* in Khari Creek was estimated at 76,667 seedlings ha⁻¹, indicating active natural regeneration within the mangrove stand.



Fig. 35. Mangroves along the Khari Creek

7. INFERENCE

- The study of mangrove distribution across four key creek systems reveals that the mangroves in the region are generally healthy and stable, with natural inter-category conversions and minor localized losses influenced by both natural and other factors.
- The overall health of mangroves in the creeks in and around APSEZ was assessed by comparing WorldView-3 images from 2021 and 2023, revealing a stable growth of approximately 2 hectares, which accounts for a minimal change of about 0.08% of the mangrove area. The analysis indicates that the mangrove and tidal systems in the creeks remain largely undisturbed and continue to flourish during this period.
- Overall stand structure of mangroves in the creeks in and around APSEZ was assessed to be:
 - Three mangrove species were recorded in the region: *Avicennia marina*, *Ceriops tagal*, and *Rhizophora mucronata*.
 - The overall mangrove tree density was estimated at 4,857 trees ha^{-1} , with a corresponding basal area of 26.26 $\text{m}^2 \text{ha}^{-1}$.
 - Species-wise Density and Basal Area:
 - *Avicennia marina*: 4,677 trees ha^{-1} , 26.01 $\text{m}^2 \text{ha}^{-1}$
 - *Ceriops tagal*: 75 trees ha^{-1} , 0.11 $\text{m}^2 \text{ha}^{-1}$
 - *Rhizophora mucronata*: 104 trees ha^{-1} , 0.14 $\text{m}^2 \text{ha}^{-1}$
 - *A. marina* exhibited the highest IVI (288.13), followed by *C. tagal* (6.77) and *R. mucronata* (5.10).
 - Mean Diameter at Breast Height (DBH): 6.81 cm (range: 2.61–41.36 cm)
 - Mean Tree Height: 2.90 m (range: 0.80–6.20 m)
- The Kotdi Creek system shows an overall marginal decrease of 1% decline (6.43 ha), primarily due to a reduction in scatter category, which is likely caused by anthropogenic disturbances such as clearing. Slight increase in dense and sparse mangroves suggests natural succession and good tidal flow (up to 4.5–7.4 km).
- The Baradimata Creek system has an overall gain of ~16 ha, especially due to formation of new dense mangroves. Decrease in scatter and sparse (~0.7%) attributed to hydrodynamic impacts on edge zones; some inter-conversion was observed.
- Bocha Navinal Creek has six ha total loss (1.1%), mainly in dense and scattered categories, especially near Bocha island tip, due to natural erosion and tidal inundation. Sparse category increased, indicating regrowth or colonization on mudflats. Formation of sand spits near

Navinal Creek could threaten future tidal inflow, necessitating regular monitoring and possibly channel deepening.

- Khari Creek shows a slight decrease of 1.7 ha, along with an increase of 22 ha in scattered mangroves, suggesting natural expansion over exposed mudflats. Sparse mangroves decreased due to conversion into both dense and scattered, reflecting normal ecological progression.
- Small area of mangrove has been cleared on the downstream bank of the Navinal Creek (22°44'58.89"N 69°42'17.17") (Fig. 36) by the Gujarat Maritime Board (GMB) for the development of facilities as per their EC & CRZ clearance Vide F. No. IA-J-11013/40/2020-IA-I dated 18th Aug, 2021.
- Ship anchoring by the GMB in the Bocha Island leads to loss of mangrove trees in trees (Fig. 37)
- Bank erosion was observed in the downstream of the Navinal Creek (Fig. 38) and upstream region of the Bocha Creek (Fig. 39), affecting the mangrove vegetation along the creek banks (Fig. 38). However, the Port Authority, as recommended in the Integrated Management Plan prepared by NCSCM and directed by the MoEF&CC has implemented erosion control measures (Fig. 40). These measures were part of the compliance actions following the Environmental Clearance (EC) conditions and MoEF&CC final order (F. No. 10-47/2008-IA.III) was issued on 18 September 2015".



Fig. 36. Mangrove cleared on the downstream bank of the Navinal Creek by the Gujarat Maritime Board for the development of facilities as per their approval from MoEF&CC



Fig. 37. Ship anchoring in Bocha Island by GMB Port



Fig. 38. Bank erosion observed in Navinal Creek

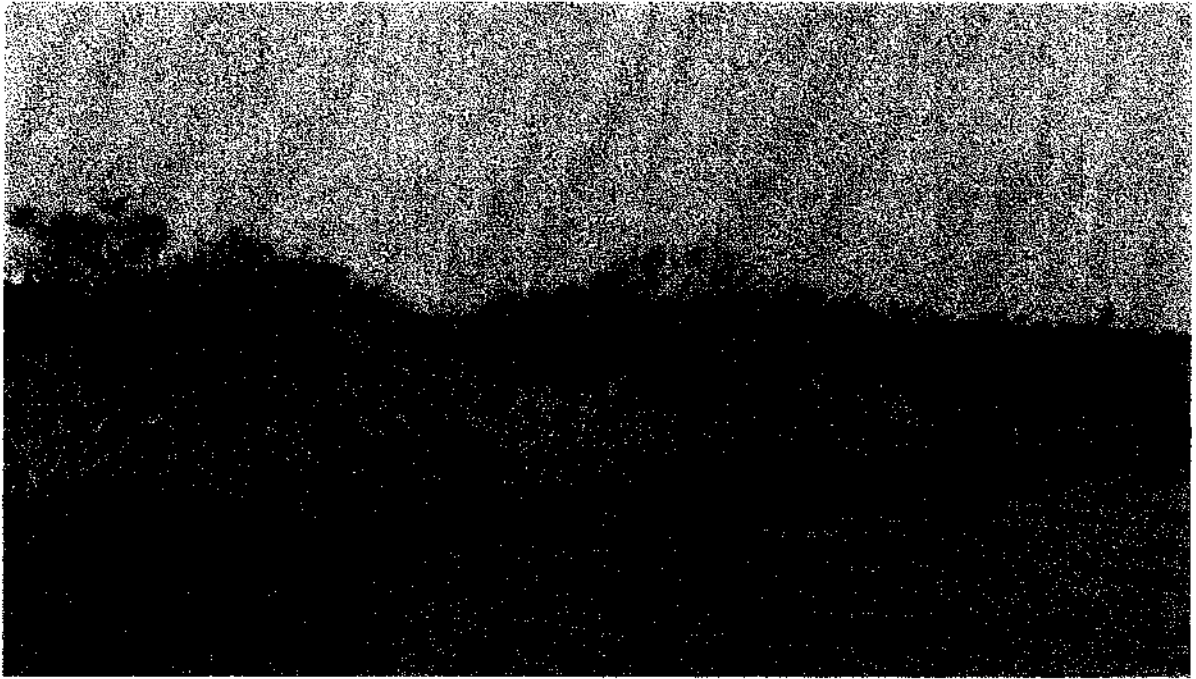


Fig. 39. Bank erosion observed in Bocha Creek



Fig. 40. Dredgers deployed near the Bocha Island as part of the erosion control measures

Annexure – 2

Adani Foundation

CSR Gujarat

Kutch – Dahej - Hazira

Six Monthly Report 2025-26



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CSR Kutch



Environment Sustainability



Environment Sustainability

Adani Foundation Environmental Initiatives.

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

Action to Environment Sustainability



FOCUS AREAS



Water
Sustainability



Terrestrial
Biodiversity



Coastal
Biodiversity



Soil
Conservation

Till date
Water
conservati
on Work

 **145**
**Pond
Deepening**

 **209**

Bore & Wells

 **355**
**Rainwater
Harvesting**

 **30**

Check Dams

 **25**

**Percolation
Wells**

Water Conservation Project

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

Key interventions—

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

Till the date

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

Farmers Benifitted -1760

Storage capacity Increase –
2171435Cum.

Current year

Pond Deepening -
05 Village pond

Check dam Re-
strenghtning-01

Farmer -300 famer
Land irrigated-
1800 Acre



8.0%
Increase
in Revenue



9.00 %
TDS Reduction



Rs 1200
Reduce in health
expenses Monthly



Roof Top Rainwater Harvesting

Project Highlights

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

Vision:

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

Impact:

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



(Sustainable Solution for Drinking water):



1760+
Residents
benefited



97.73% Less
TDS than local
municipality water
Gundiya - 4410 TDS



Rs. 1125
monthly Saved
on drinking
water



Rs. 3000
yearly saved on
health expense

Coastal Biodiversity

Mangrove Restoration Success – Luni Coast

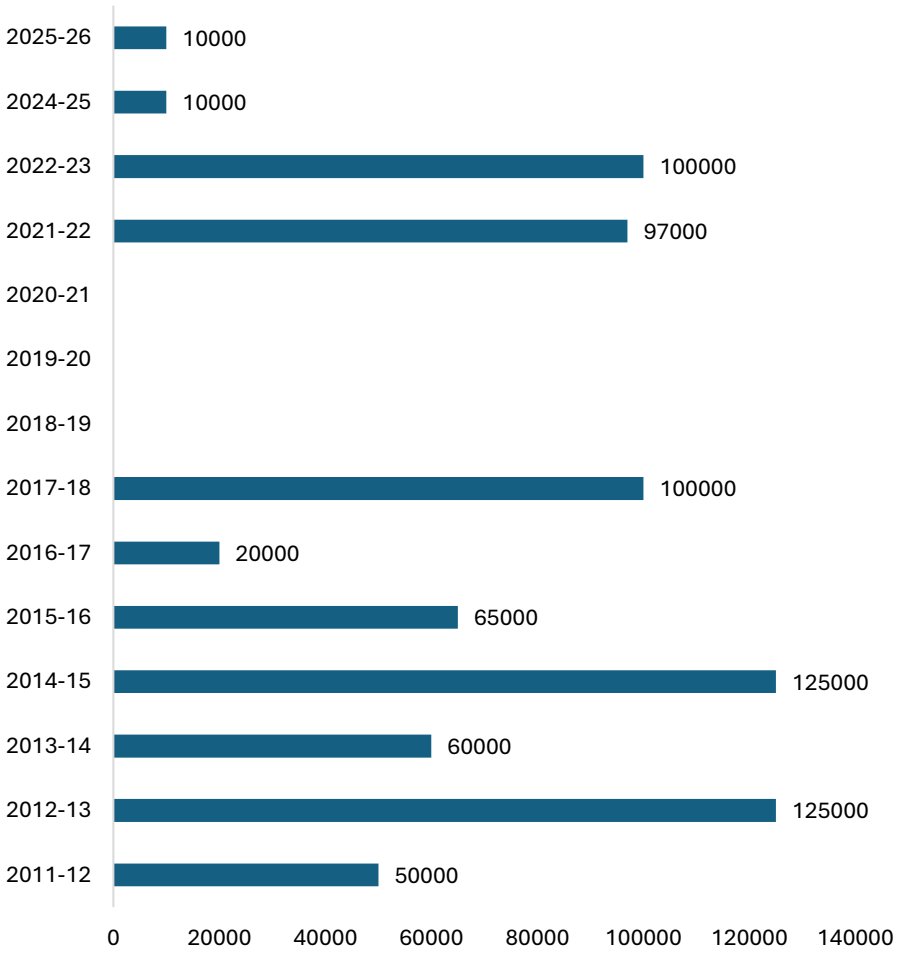
Initiated in 2010, the mangrove restoration project led to the development of 162 hectares of dense mangrove forest along the Luni coast.,

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

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



Number of Mangrove



Terrestrial Biodiversity

Vruksh Se Vikas – Massive Drive

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

Adani Van:

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

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



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

Vruksh Se Vikas

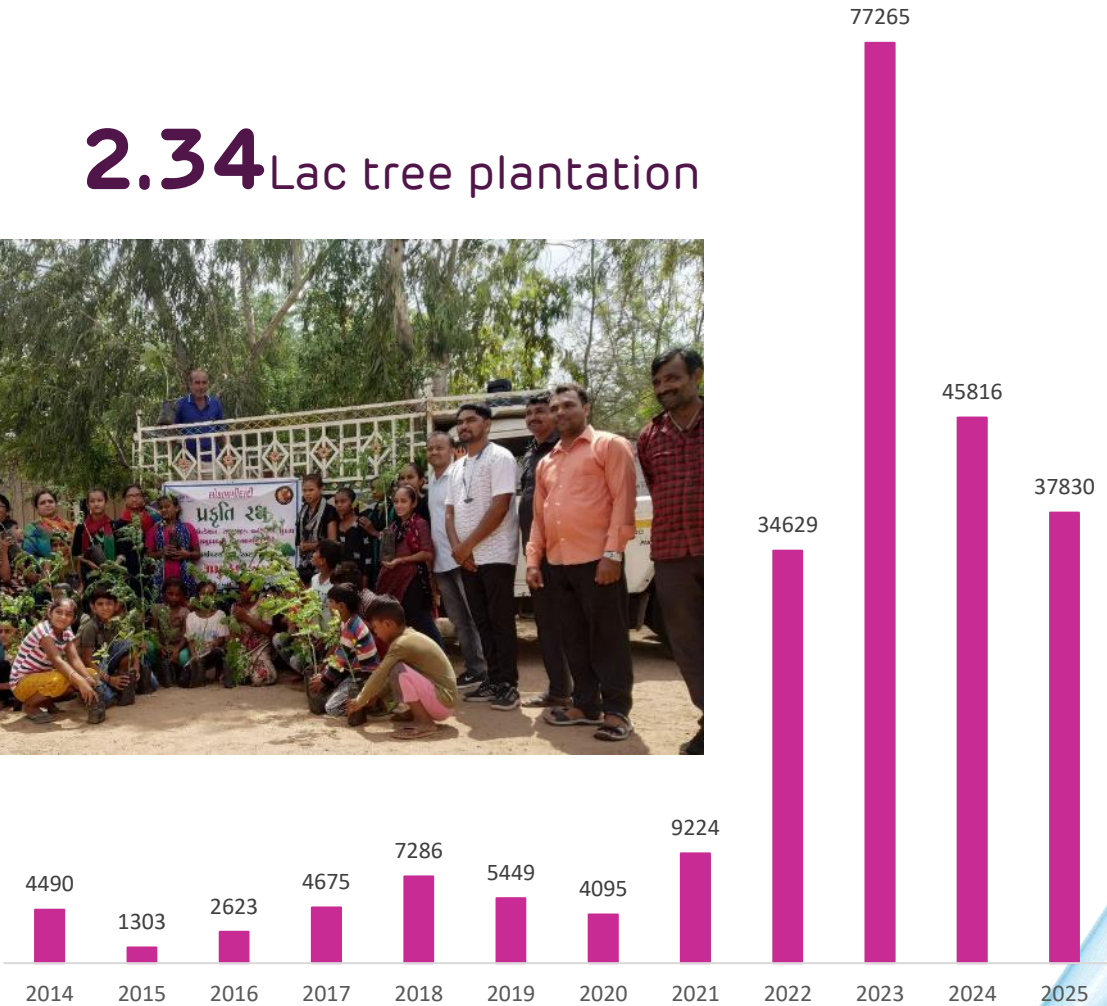
– Massive Drive

Prakrutik Rath: Fostering Community Engagement Through Environmental Initiatives

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

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

2.34Lac tree plantation



River Cleaning Initiatives – Bhuki & Kevdi Rivers

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

Phase 1: Assessment & Planning

- Baseline surveys conducted
- Engagement with stakeholders

Phase 2: Cleaning Operation

- Manual and mechanical removal of debris and polythene bags
- Segregation and disposal of waste

Phase 3: Awareness & Capacity Building

- Community workshops
- Distribution of reusable cloth bags
- Installation of waste collection points

Phase 4: Monitoring & Sustainability

- Regular water quality checks planned
- Setting up "River Watch Committees"



Pond deepening and Renovation – Jam Bhuraji Pond

Introduction

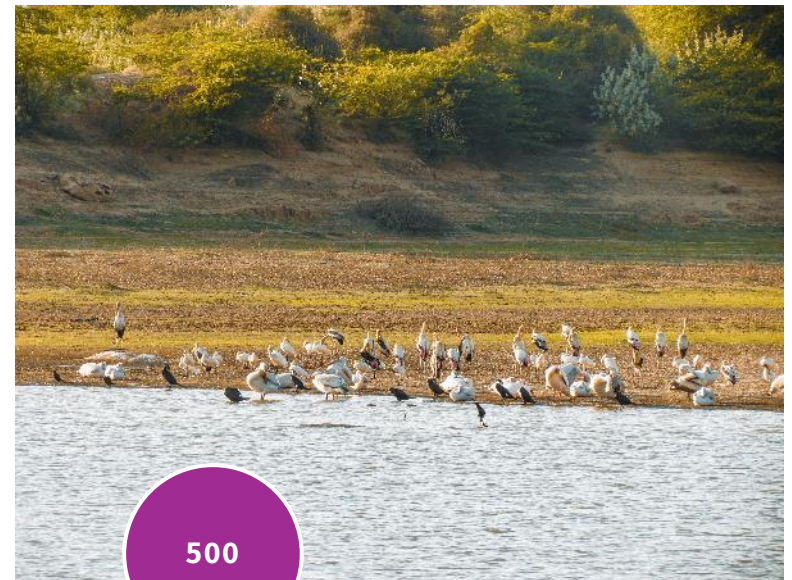
Jam Bhuraji Pond, located in Khavda (historically Kunaria), Kutch, Gujarat, is a vital water body supporting the local community, livestock, wildlife, and traditional cultural practices. In 2024/25, the pond underwent a significant deepening and renovation, aiming to address water scarcity and enhance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

Background

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

Project Rationale

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



7000
cum

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

3500

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

10
Types

Biodiversity Boost: Migratory Birds

500

Community Cohesion Resilience: :

Project Utthan



FLAGSHIP EDUCATION PROGRAM

Strengthening Government Primary Schools

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

Appointing an Utthan Sahayak

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

Providing Resources and Facilities

- Ensuring schools are equipped with necessary resources and infrastructure

Introducing Vedic Math's & Abacus

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

Capacity Building for Government School Teachers

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

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

- Providing additional support and tutoring for progressive learners.

Training Students for Competitive Exams

- Preparing students for various competitive examinations.



Project Utthan: Empowering Education at the Grassroots since 2018

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

• Primary schools

69

• High schools

12

• Students

11532

• Progressive learner

1151

• IT on Wheels

3235

• Adani competitive coaching center

2726

Key Strategic Initiatives of Utthan

Main streaming Progressive learners

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

Library Activity

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



IT on wheels

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



Mothers Meet

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

Competitive Exam

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

Impact in Action

Gunotsav & Board Results

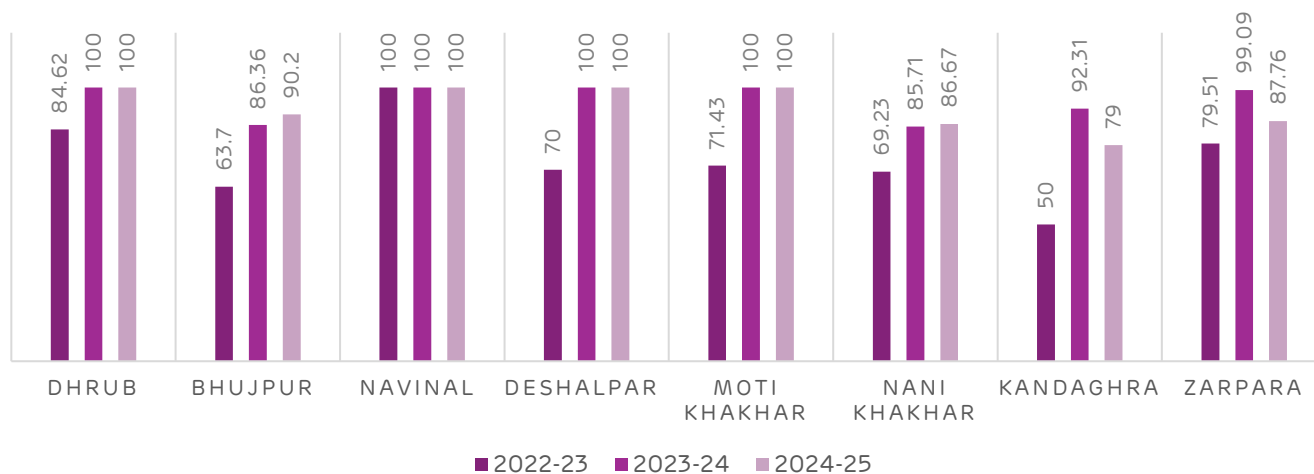
4 High Schools Achieved
100% Pass Rate in Results

Gunotsav Primary School Performance

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



BOARD RESULT ANALYSIS



Abacus & Vedic Maths

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

1800 Abacus
students

1302 Vedic
math's Students



Celebrating Learning, Culture & Growth Through Day celebration

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

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



360° Career Guidance for Utthan High School Students

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

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

Adani Vidya Mandir

Bhadreshwar

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

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

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



Academic Excellence

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

Co-Curricular & Cultural Growth

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

Infrastructure & Institutional Support

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

Community Engagement & Leadership

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

Wellness & Sports Achievements

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

Celebrating
Excellence and
Holistic
Development

100%
result in 10th board
examinations



Project Udaan

Igniting Aspirations in Youth

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

229 institute visit

5 Corporate visit

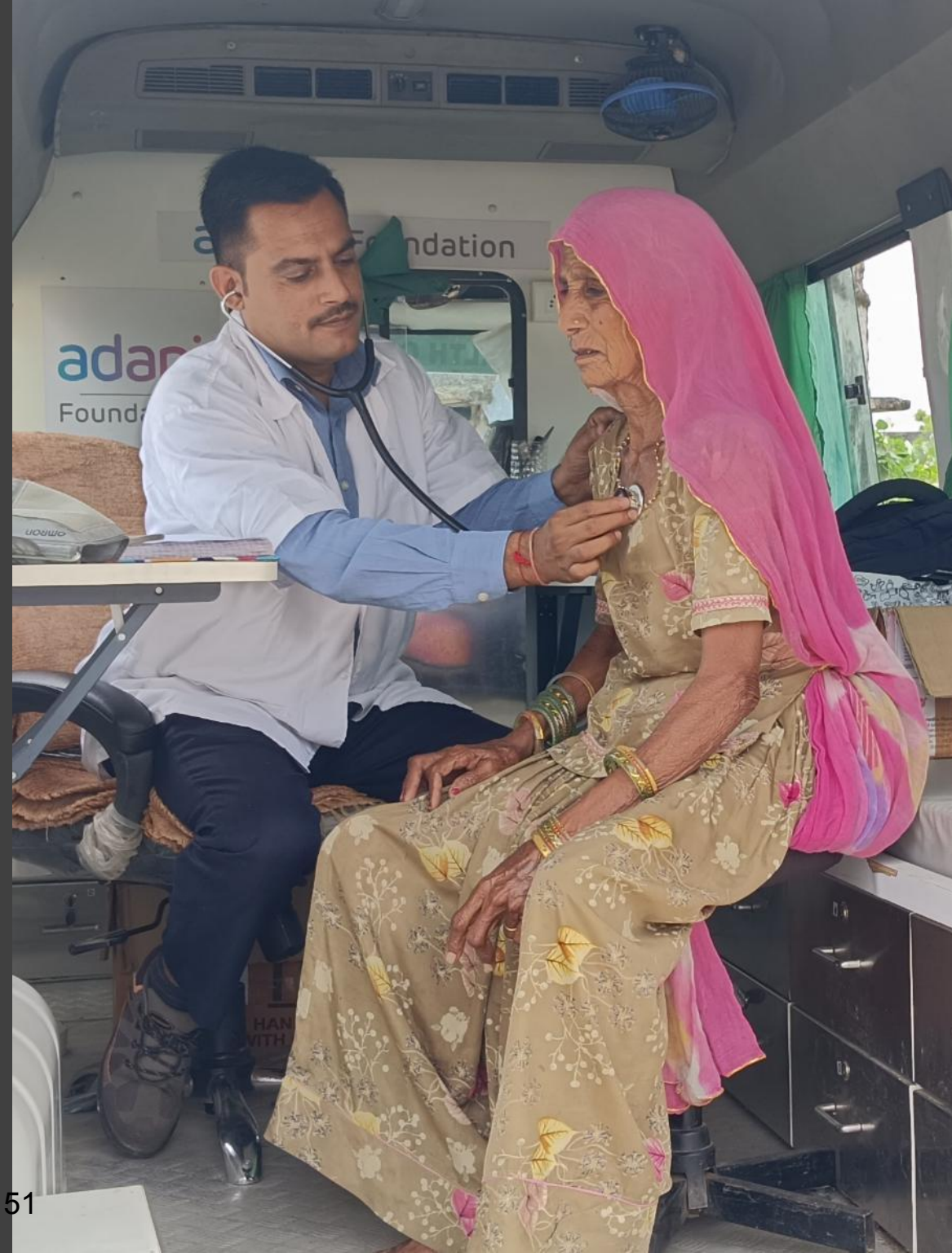
16380 Participants



Community Health

Adani Foundation – Advancing Healthcare & Community Well-being

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



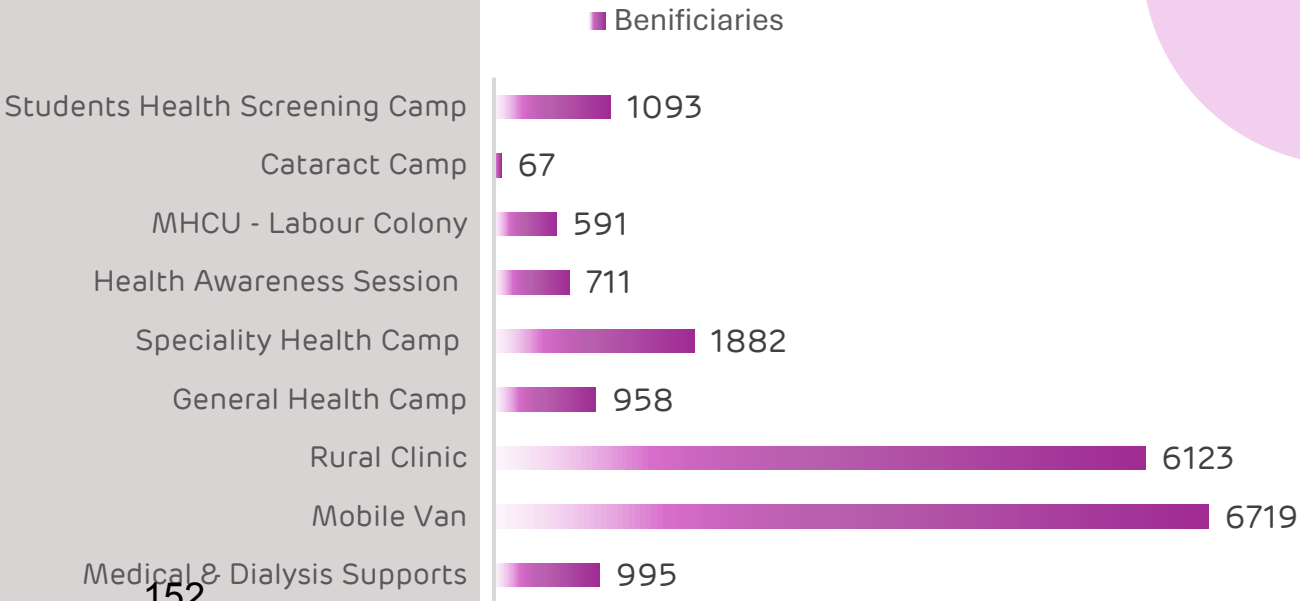
Community Health

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

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



BENEFICIARIES



Health

Mobile Health Care Units, Rural Clinic Services & Medical Support

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

- **9867 individuals** benefited from MHCU and Rural clinic services.
- **33%** average savings on healthcare-related costs.
- **42%** People are aware and become health Conscious
- Adani Foundation's medical support program has provided critical care to 1,071 underprivileged patients, addressing serious health issues like kidney and heart conditions at Adani Hospital Mundra.
- In life-threatening cases, patients are stabilized and referred to GKGH, Bhuj, with full coordination for advanced treatment—ensuring no one is left behind in their journey to recovery.



29-Villages
31-MHCU
Stoppage
7-Rural clinic



TB Awareness & Nutritional Support Program

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



Awareness and Screening Drive in Mundra Schools

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

Beneficiaries – **1093** Health & Hygiene Awareness

Sustainable Livelihood Development



Women Empowerment

82

SHG

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

- (80 SHGs)

12

Skill Building

- Tailored workshops and hands-on training empowered members with entrepreneurial, financial, and operational skills.

- (12 Workshop – 1000 Women's)

60

Exposure & Learning

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

52

Need-Based Support

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

1450

Community Impact

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

"CHETNA" - initiative with gender diversity

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

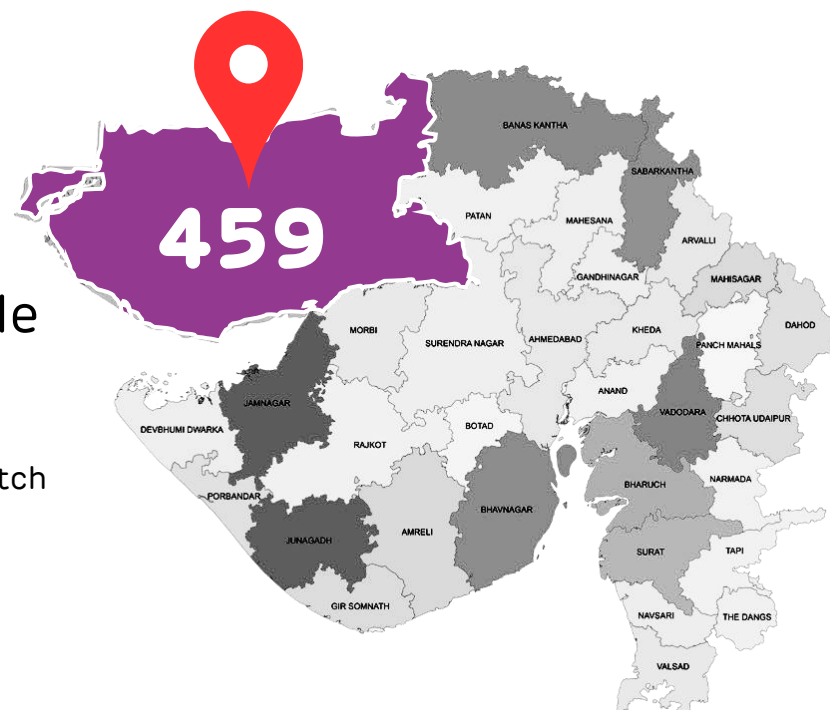
Till Now

600+ Female

Joined Adani Solar
@Pan India

459 are from Kutch

76.50%



Rs. 1.8 lakhs/annum
12th pass candidates

Rs. 2.16 lakhs/annum
Graduate candidates



Creating Opportunities
for Women



Mobilization and
Counseling



Parental
Engagement



Travel
Assistance



Interview
Support

Trees & Fodder: Growing Green, Sustaining Life

Objectives

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

17 Adani Van Sites

1.22 Lacs Trees Planted

16 Villages

Estimated increase in green cover (area or 58 acres)



Activities

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



Impact

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

Swawlamban

Objectives

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

Divyang Support & Scheme Facilitation



Activities

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

Impact

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

Swawlamban : Divyang Support & Scheme Facilitation

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

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



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

Fisherfolk Community

Empowering Fisherfolk Community

Objective

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

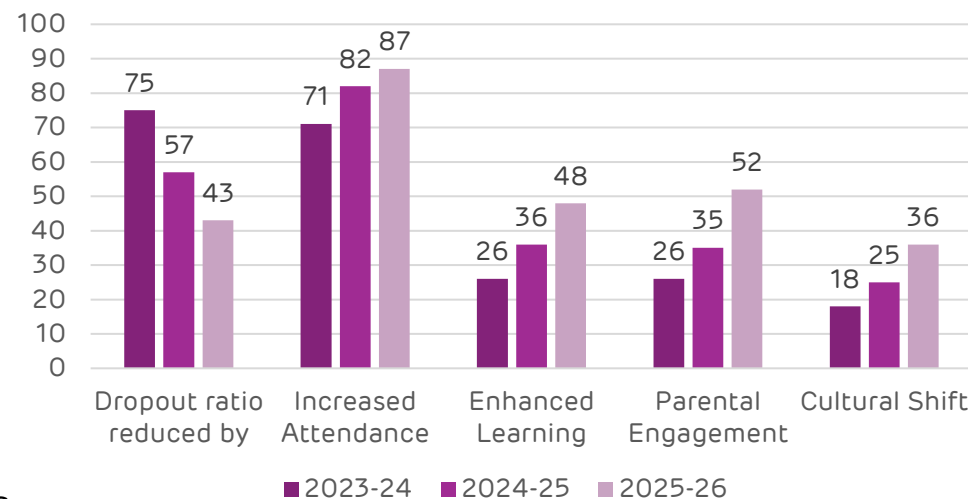
Activity

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

Impact

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

Impact of Fisherfolk Project



Empowering Fisherfolk Community



Job initiatives:

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

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

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

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

Potable water Distribution:

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

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

Community Infrastructure Development Initiative

Objectives

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

Activities

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

Impact

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

Community Infrastructure Development Initiative

3

Pond deepening



4

Digital Library



9

Common gathering Shed



2

Gaushala Development



25

RRWHS



2

Community Center



2

Check dam strengthening



24 Km.

Restrengthening of Approach Road



AGEL KHAVDA





Education – Project Utthan:

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



1500+
Students benefited



54.49%
Increase in admissions



43.11%
Rise in Girls' admission

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



Community Health

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



Adani Arogya Karyakram Khavda CHC OPD:

Gynec.	Pedia.	Ortho	General	Optho.	Total
1402	2078	257	344	973	5054

Specialty Health Camp in Khavda Villages:

Gynec.	Pedia.	General	Ortho	Optho.	ANC Women	Total
214	238	246	95	74	66	653



42

Villages benefited



5,187

villagers benefited by medical services

Women Empowerment:

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



CID – Water Conservation



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



Climate Action:

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

AGEL Dayapar



Water Conservation



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



SLD – Kamdhenu:



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



Community Health:

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



SLD

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

Education

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



Benefited **923**
with direct
healthcare services.

AKBPTL Tuna

Education : Utthan

Introduction

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

Activities

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

Impact

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



Health

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



Awareness sessions



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



Climate Action:

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



Adani Skills & Education



Vision

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

Mission

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

Education

Objectives

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

Challenges Addressed

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

• **45 Job drives**

• **4,500 Youth participated in the interview process.**

• **Over 1,200 candidates were successfully selected.**

Adani skills & Education

Skills

Vision

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

Mission

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

Objectives

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



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

Event



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



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

Event



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



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

Event



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



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

Event



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



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

Event



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



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

Event



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



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

STORIES

Empowering Dreams— From the Tides to Triumph



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

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

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

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

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

STORIES

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



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

STORIES

Perseverance Enabled through Adani Foundation Support



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

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

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

STORIES

Journey of Healing and Resilience:



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

STORIES

An Initiative by the Adani Foundation



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

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

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

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

STORIES

"Empowering Independence



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

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

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

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



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

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



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



Appreciation letter from important stakeholder(s)

॥ વંદે માતરમ્ ॥ ॥ શ્રી ગો માતાય નમઃ ॥
ટ્રસ્ટ રજુ નં. ઈ-૩૭૯૯/૬૪૭.

શ્રી મુરલીધર ગૌસેવા ટ્રસ્ટ
ગામ : ગુંદાલા, તા. મુંદરા-કચ્છ.

સન્માન પત્ર

દાતા સન્માન સમારંભ - ૨૦૨૫

**અદાણી ફાઉન્ડેશન
સુકા ચારાના સહયોગ**

આપશ્રી દ્વારા શ્રી મુરલીધર ગૌ સેવા ટ્રસ્ટ-ગુંદાલા ને જે સહયોગ મળેલ છે જે બદલ અમે આપશ્રીના જાણી છીએ...
આગામી સમયમાં આપશ્રી જીવનમાં સફળતાના સોપાનો સર કરો અને દીર્ઘાયુ જીવન મેળવો તેવી પ્રાર્થના સહ
આપની ઉજ્જવળ કારકિર્દીની શુભેચ્છા પાઠવીએ છીએ અને આપશ્રી સતત આ રીતે ગૌસેવાના કાર્યો કરતા રહો તેવી અપેક્ષા સહ...

આપના આભારી...

શ્રી મુરલીધર ગૌસેવા ટ્રસ્ટ-ગુંદાલા

॥ વેદ પિના મતિ નહી,
ગાય પિના ગતિ નહી ॥

શ્રી સમાધોધા લા.વિ.પ્રા.શાળા નં.-૧
તા.મુંદરા-કચ્છ.

આભાર પત્ર

**પરમ રમેશીશ્રી
અદાણી ફાઉન્ડેશન
મુંદરા.**

આથી શ્રી સમાધોધા લા.વિ.પ્રા.શાળા -૧ પરિવાર હર્ષની લાગણી અનુભવે છે કે શ્રી અદાણી ફાઉન્ડેશન (એજ્યુકેશન પિભાગ-મુંદરા) મુંદરાના શિક્ષણના હિતોને પ્રાધાન્ય આપીને શાળા કક્ષા લેવલના અનેક વિદ્યાર્થીઓને શિક્ષણ આપી રહ્યા છે. જેના થકી મુંદરાના શિક્ષણમાં પ્રગતિશીલ કાર્ય થયું છે.

સભન આ પ્રોજેક્ટ પેકીને એક પ્રોજેક્ટ એટલે “ઉત્થાન પ્રોજેક્ટ” જેના થકી શ્રી સમાધોધા લા.વિ.પ્રા.શાળા -૧ શાળાને બાલ પેન્ટીંગનો મહત્વ અંશે લાભ મળેલ છે. જે શૈક્ષણિક કાર્યમાં ખૂબ જ ઉપયોગી થયેલ છે. તેમજ શાળામાં પર્યાવરણલક્ષી વાતાવર બનાવવા માટે આપશ્રી દ્વારા બગીચામાં ટપક પદ્ધતિ અને ફૂલછોડ સાથેનું ખુબ જ ઉત્તમ અને ઉપયોગી કાર્ય કરેલ છે. જે બદલ એસ.એમ.સી. અને શાળા પરિવાર આપશ્રીનો ખૂબ ખૂબ હૃદય પૂર્વક આભાર વ્યક્ત કરે છે.

ભવિષ્યમાં પણ શાળામાં અદાણી ફાઉન્ડેશન અને ઉત્થાન પ્રોજેક્ટ અંતર્ગત વિશેષ કાર્યો થાય અને બાળકોના શૈક્ષણિક કાર્યમાં અને શાળા સંકુલમાં ઉપયોગી રહો તેવી અપેક્ષા સાથે શુભકામના...

તારીખ : ૨૮/૦૩/૨૦૨૫
સ્થળ : શ્રી સમાધોધા લા.વિ.પ્રા.શાળા નં.૧
એસ.એમ.સી. તથા શાળા પરિવાર
શ્રી સમાધોધા લા.વિ.પ્રા.શાળા નં.૧
મુંદરા-કચ્છ.

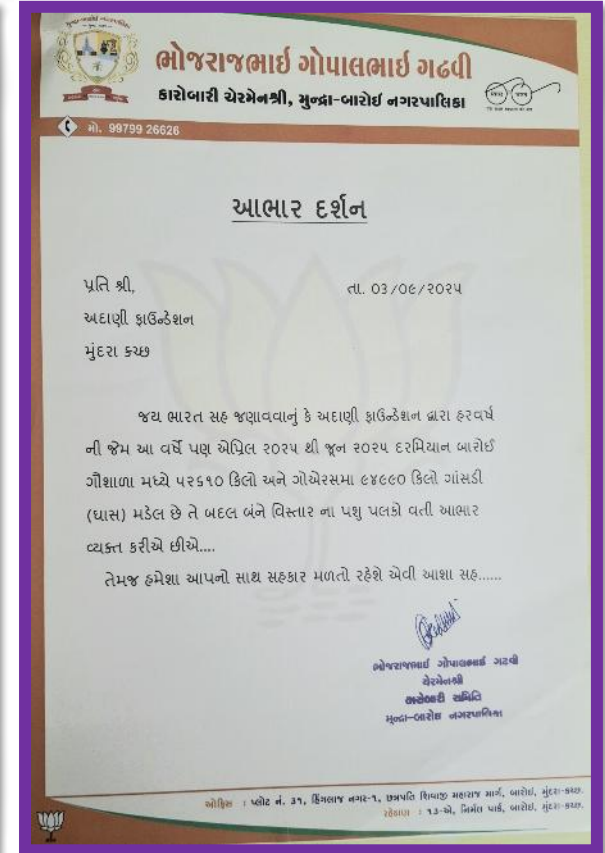
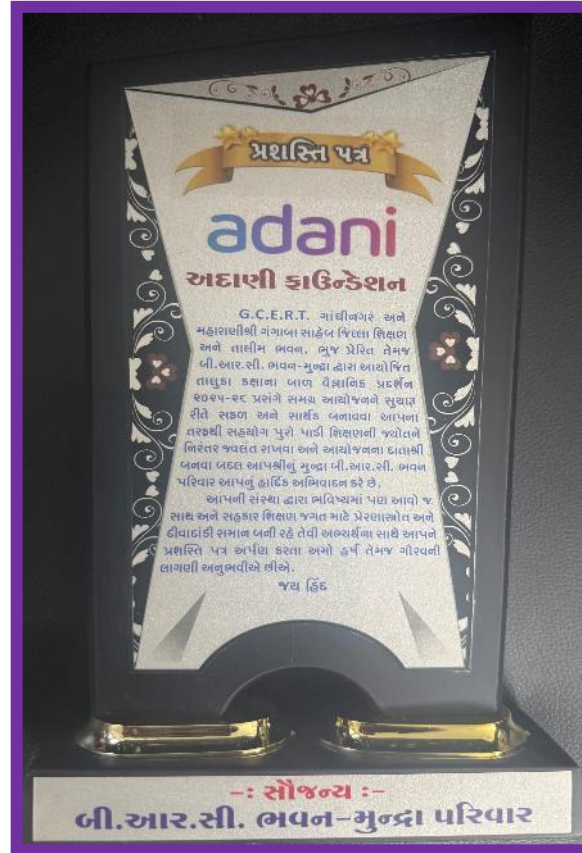
આભાર પત્ર

આદરણીય પંકતીબેન શાહ
અદાણી ફાઉન્ડેશન, મુંદરા.

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

હેમાક્ષી ઉદય કુમાર રાણા તેમજ ટીમ
શ્રી સમુદ્ધ ફાઉન્ડેશન, નાના કપાયા

Appreciation letter from important stakeholder(s)



Annexure – 3



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR-10/A,,
GANDHINAGAR - 382010,
(T) 079-23222756

Provisional Consent Order (CTE-Ammendment).

GPCB ID : 31463

Application : CTE-Ammendment, No. 400015 Dt. 16/07/2025, Granted On:
20/08/2025

To,
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED
PLOT NO:Notified SEZ area , Notified SEZ area , Mundra, Mundra - 370421
DIST: Kutch East, TAL: Mundra

Subject : Your Application For CTE-Ammendment dated 16/07/2025
Reference : Your Application For CTE-Ammendment vide no.: 400015 dated
16/07/2025

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air (Prevention and Control of Pollution) Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants CTE-Ammendment for setting up of an industrial plant/activities at PLOT NO:Notified SEZ area , Notified SEZ area , Mundra, Mundra - 370421 DIST: Kutch East, TAL: Mundra, for the manufacturing of the items/products as mentioned in the detailed order CTE-147656.

The Validity period of the order is upto 14/07/2026.

1. Order No: CTE-147656 & Valid upto :14/07/2026

2. GENERAL CONDITIONS :-

- This order is provisional order and detailed order is considered as final.
- All the conditions and provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act – 1986 and the rules made there under shall be complied with*.
- All the conditions and provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended shall be complied with*.
- The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:

Between 6 A.M. and 10 P.M.: 75 dB (A)

Between 10 P.M. and 6 A.M.: 70 dB (A)

- e) In case of change of ownership/management the name and address of the new owners / partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to the Board.
- f) Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and hazardous wastes generated within the factory premises.
- g) Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed.
- h) The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
- i) The applicant shall obtain membership of common infrastructure for disposal of effluent / Hazardous waste.
- j) The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
- k) If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property, in that case they are obliged to pay the compensation as determined by the competent authority

The Consent is granted on 20/08/2025 by Gujarat Pollution Control Board.

*** Note : ACT-specific, industry-specific, and area-specific conditions, including details pertaining to products, waste generation, and its management, along with any other applicable stipulations, shall be explicitly specified in the Detailed Consent Order.

*** Note : This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall be the final and valid Consent/Authorization.

Disclaimer: This is a provisional acknowledgement order and does not constitute a final or legally binding document. Necessary verification with the competent authority shall be carried out if deemed necessary.



GPCBID: 31463, InwID: 400015, Print by:
31463
Print Date: 25/08/2025 03:50:10

Annexure – 4

Details of Greenbelt Development at APSEZ, Mundra



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

Details of Mangrove Afforestation done by APSEZ

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

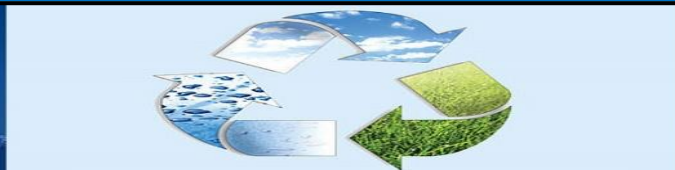
Annexure – 5

Compliance Report of EMP & Mitigation Measures

Sr. No.	Suggested Measures	Compliance Status
 Construction Phase:		
A	Air Environment	
1	Water sprinkling in vulnerable areas	Water sprinkling on road and other construction area as well as on construction materials is being carried out on regular bases.
2	Enforce proper maintenance of vehicles and construction equipment. Allowing only PUC approved vehicles in the site.	Please refer Condition No. ix of Part-B (General Conditions Construction phase) of EC and CRZ Clearance.
3	Enforce usage of covered trucks for transport of construction material.	Covered trucks are being used for handling of construction materials.
B	Noise Environment	
4	Enforce proper maintenance of vehicles and construction equipment. Enforce use of earmuffs / earplugs to workers in high noise level areas.	The vehicles of on-going construction work enter inside the premises after the fitness check. Ear protection device is provided to workers in high noise areas.
C	Water Environment	
5	Provide temporary drinking water supply and proper sanitation facilities within the site	Provision of drinking water and sanitation facility is being provided.
D	Land / Soil Environment	
6	Proper disposal of construction debris at regular intervals	Construction debris is being kept at identified temporary storage area and is being utilized for area development.
E	Thermal Environment	
7	Enforce (i) use of Portland Pozzalano Cement / (ii) use of Portland Slag Cement / (iii) use fly ash as admixture in construction	Fly ash mixed paver blocks are being used are used for development of back up area, footpath, colonies area, parking area, approach road etc. Please refer Condition No. xii of Part-B (General Conditions: Construction phase) of EC and CRZ Clearance.
F	Energy	
8	Wherever possible, piping shall be along the natural topography to permit gravity flow. Else, energy efficient pumps shall be used. Pipe material shall be such as to minimize friction losses.	Energy efficient pumps and HDPE Pipelines are used for supply of utilities. Refer point no. xii of EC & CRZ Clearance in Part – B (Operation Phase) for energy efficient electrical fittings. Few of the buildings in MSTPL are designed as green building.
9	Wherever possible, natural light shall be used. Energy efficient electrical fittings and fixtures shall be used.	
 Operation Phase:		

Sr. No.	Suggested Measures	Compliance Status
A	Land / Soil Environment	
1	Good quality non-corrosive type pipeline should be used. Regular checking of the pipelines for early detection of any possible leakage and damage. Regular ground water monitoring should be done within the SEZ.	<p>HDPE pipelines are used for supply of utility. Regular visual surveillance along the utility lines corridor is being done to check leakage or damage.</p> <p>Third party analysis of the ground water is being carried out at every six month by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi.</p> <p>Please refer Condition No. v of Part-B (General Conditions: Construction phase) of EC and CRZ Clearance.</p>
2	The waste should be transported in covered trucks. Vermi-composting is highly recommended for treatment and disposal of biodegradable and kitchen wastes. Other domestic solid waste (garbage) shall be disposed through MSW facility or as per prevailing norms.	Please refer Condition No. iv of Part-B (General Conditions: Construction phase) of EC and CRZ Clearance.
3	The waste should be transported in covered trucks. Transporter should be informed of remedial measures required to be taken in case of spillage of waste	Waste handling vehicles are being handled through covered trucks only. Details were submitted along with compliance report submission i.e. Apr'17 to Sep'17.
B	Socio-Economic Environment	
4	It will encourage development of surrounding areas & further generate employment. People from various cultures shall mingle encouraging a more tolerant society.	Please refer Condition No. vii of Annexure – B (Compliance Status of MoEF & CC Order dated 18.09.2015).

Annexure – 6



“Half Yearly Environmental Monitoring Reports “



M/S. ADANI PORTS & SEZ Limited.

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

Monitoring Period: April – 2025 to September - 2025

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	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Apr-25.		May-25		Jun-25			
			07-04-2025	21-04-2025	01-05-2025	12-05-2025	05-06-2025	16-06-2025		
1.	pH @ 25 ° C	--	7.14	7.28	7.16	7.25	7.33	7.41	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	22	24	20	18	16	18	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	17.4	16.5	18	19	15	16	30	APHA 24th Ed.2023,5210- B
4.	Residual chlorine	mg/L	0.59	0.68	0.62	0.55	0.62	0.58	0.5 Min.	APHA 24th Ed.2023,4500- Cl-G
5.	Fecal Coliform	MPN Index/100ml	70	90	60	80	70	90	1000	IS 1622: 1981

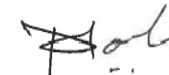
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RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-25		Aug-25		Sep-25			
			01-07-2025	14-07-2025	04-08-2025	18-08-2025	02-09-2025	20-09-2025		
1.	pH @ 25 ° C	--	7.24	7.62	7.67	7.01	7.88	7.42	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	22	16	10	16	28	18	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14.5	16.4	18	16	19	19	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.64	0.59	0.58	0.64	0.58	0.56	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100ml	60	80	70	90	60	70	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	SAMUNDRA TOWNSHIP STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Apr-25		May-25		Jun-25			
			07-04-2025	21-04-2025	01-05-2025	12-05-2025	05-06-2025	16-06-2025		
1.	pH @ 25 ° C	--	7.39	7.22	7.22	7.18	7.44	7.49	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	16	18	18	20	22	22	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	17.5	16.8	16.5	15.8	16	15.5	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.62	0.72	0.58	0.62	0.56	0.58	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100ml	27	30	26	40	27	50	1000	IS 1622: 1981

Continue...

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	SAMUNDRA TOWNSHIP STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-25		Aug-25		Sep-25			
			01-07-2025	14-07-2025	04-08-2025	18-08-2025	02-09-2025	20-09-2025		
1.	pH @ 25 ° C	--	7.18	7.44	8.03	7.72	7.74	7.43	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	14	16	12	14	12	12	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14.2	15.4	18	15	16	14	30	APHA 24th Ed.2023,5210- B
4.	Residual chlorine	mg/L	0.62	0.58	0.66	0.72	0.56	0.62	0.5 Min.	APHA 24th Ed.2023,4500- Cl-G
5.	Fecal Coliform	MPN Index/100ml	28	60	27	50	26	60	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Apr-25		May-25		Jun-25			
			09-04-2025	23-04-2025	01-05-2025	12-05-2025	05-06-2025	16-06-2025		
1.	pH @ 25 ° C	--	7.33	7.41	7.28	7.42	7.14	7.18	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	16	24	14	16	18	22	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	17.5	16.5	14.5	15.8	16	17	30	APHA 24th Ed.2023,5210- B
4.	Residual chlorine	mg/L	0.62	0.72	0.55	0.59	0.66	0.62	0.5 Min.	APHA 24th Ed.2023,4500- Cl-G
5.	Fecal Coliform	MPN Index/100ml	60	80	50	70	60	80	1000	IS 1622: 1981

Continue...

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-25		Aug-25		Sep-25			
			01-07-2025	14-07-2025	04-08-2025	18-08-2025	02-09-2025	20-09-2025		
1.	pH @ 25 ° C	--	7.25	7.19	7.44	7.52	7.38	7.06	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	12	14	16	18	18	28	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	15.2	16.4	15	16	17	15	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.58	0.64	0.58	0.59	0.62	0.66	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100ml	70	90	60	80	70	90	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

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

Continue...

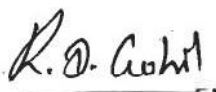
Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	26-05-2025	64.21	21.12	14.21	18.56	0.60	2.38	NOT DETECTED
17.	29-05-2025	61.21	18.78	13.21	17.34	0.58	2.12	NOT DETECTED
18.	02-06-2025	63.47	19.76	12.47	16.25	0.49	2.36	NOT DETECTED
19.	05-06-2025	57.59	18.23	11.64	14.97	0.44	2.42	NOT DETECTED
20.	09-06-2025	65.49	20.86	14.36	19.42	0.56	2.54	NOT DETECTED
21.	12-06-2025	68.13	23.45	15.74	19.83	0.62	2.64	NOT DETECTED
22.	16-06-2025	59.63	19.84	13.42	17.38	0.54	2.47	NOT DETECTED
23.	19-06-2025	56.37	16.54	10.85	14.18	0.51	2.35	NOT DETECTED
24.	23-06-2025	58.21	17.18	11.53	16.25	0.59	2.30	NOT DETECTED
25.	26-06-2025	63.25	20.98	13.25	17.24	0.67	2.41	NOT DETECTED
26.	30-06-2025	60.65	19.52	12.25	16.42	0.60	2.38	NOT DETECTED
27.	03-07-2025	55.47	18.24	13.65	17.43	0.56	--	NOT DETECTED
28.	07-07-2025	59.31	20.85	14.93	17.97	0.61	2.33	NOT DETECTED
29.	10-07-2025	57.59	18.87	13.26	16.78	0.54	2.24	NOT DETECTED
30.	14-07-2025	62.37	21.28	16.49	20.31	0.64	2.29	NOT DETECTED
31.	17-07-2025	65.48	23.64	19.11	23.46	0.67	2.37	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/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.	21-07-2025	60.32	20.97	17.15	21.78	0.52	2.34	NOT DETECTED
33.	24-07-2025	56.39	16.84	14.31	18.52	0.45	2.27	NOT DETECTED
34.	28-07-2025	51.66	13.82	12.94	16.85	0.39	2.19	NOT DETECTED
35.	31-07-2025	53.09	15.53	13.78	17.31	0.42	2.22	NOT DETECTED
36.	04-08-2025	58.25	17.36	14.08	17.59	0.46	2.24	NOT DETECTED
37.	07-08-2025	62.49	18.76	15.95	20.13	0.49	2.3	NOT DETECTED
38.	11-08-2025	64.13	20.15	17.11	21.54	0.56	2.36	NOT DETECTED
39.	14-08-2025	60.28	18.31	14.56	18.62	0.52	2.32	NOT DETECTED
40.	18-08-2025	54.13	15.64	12.43	16.29	0.41	2.25	NOT DETECTED
41.	21-08-2025	51.21	14.62	11.49	15.31	0.37	2.17	NOT DETECTED
42.	25-08-2025	56.79	16.05	13.42	17.48	0.46	2.2	NOT DETECTED
43.	28-08-2025	62.15	18.52	16.89	20.16	0.54	2.28	NOT DETECTED
44.	01-09-2025	64.38	20.42	15.75	19.31	0.56	2.31	NOT DETECTED
45.	04-09-2025	67.58	22.35	16.14	20.34	0.59	2.28	NOT DETECTED
46.	08-09-2025	61.82	17.46	14.29	19.45	0.45	2.15	NOT DETECTED
47.	11-09-2025	65.47	19.32	15.38	19.12	0.49	2.37	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/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.	15-09-2025	69.78	22.35	18.67	22.45	0.60	2.49	NOT DETECTED
49.	18-09-2025	62.18	20.45	16.37	20.57	0.54	2.38	NOT DETECTED
50.	22-09-2025	56.49	15.93	12.35	15.42	0.31	2.24	NOT DETECTED
51.	25-09-2025	58.64	16.78	13.39	17.57	0.26	2.30	NOT DETECTED
52.	29-09-2025	60.13	19.24	14.67	18.42	0.40	2.35	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2025	74.21	21.53	16.15	20.81	NOT DETECTED
2.	07-04-2025	77.53	23.15	17.84	22.11	--
3.	10-04-2025	70.49	19.83	15.62	19.31	--
4.	14-04-2025	67.42	16.54	12.68	16.42	--
5.	17-04-2025	65.14	15.42	11.15	15.48	--
6.	21-04-2025	70.43	17.69	15.38	19.66	--
7.	24-04-2025	67.43	14.37	14.65	18.52	--
8.	28-04-2025	64.92	15.11	13.77	17.46	--
9.	01-05-2025	73.23	19.89	15.67	19.87	--
10.	05-05-2025	75.67	22.56	16.34	20.67	--
11.	08-05-2025	68.98	18.78	17.89	21.34	--
12.	12-05-2025	66.12	15.45	14.43	18.78	--
13.	15-05-2025	63.23	14.23	12.12	16.78	--
14.	19-05-2025	68.98	16.56	16.67	20.98	--
15.	22-05-2025	63.45	12.78	13.21	17.56	--

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.	26-05-2025	61.23	14.65	12.12	15.67	--
17.	29-05-2025	64.56	15.78	14.23	18.23	--
18.	02-06-2025	65.48	16.38	14.76	17.49	--
19.	05-06-2025	61.42	15.42	13.25	16.53	--
20.	09-06-2025	56.48	13.28	11.76	14.29	--
21.	12-06-2025	53.28	12.87	10.86	13.57	--
22.	16-06-2025	58.48	14.85	12.53	15.64	--
23.	19-06-2025	51.54	13.92	12.88	16.11	--
24.	23-06-2025	47.58	10.46	9.23	13.24	--
25.	26-06-2025	53.46	15.13	11.47	14.59	--
26.	30-06-2025	50.97	14.84	12.45	15.21	--
27.	03-07-2025	54.38	14.94	13.42	16.76	NOT DETECTED
28.	07-07-2025	57.64	16.38	16.43	20.12	--
29.	10-07-2025	50.39	13.82	13.27	17.53	--
30.	14-07-2025	53.19	14.25	14.06	18.21	--
31.	17-07-2025	55.91	15.11	16.49	20.47	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	21-07-2025	48.38	13.59	12.72	15.48	--
33.	24-07-2025	45.39	13.12	8.83	11.29	--
34.	28-07-2025	51.25	14.89	10.64	14.23	--
35.	31-07-2025	55.81	15.12	13.25	17.48	--
36.	04-08-2025	49.28	15.55	11.69	14.26	--
37.	07-08-2025	46.92	14.23	9.76	12.34	--
38.	11-08-2025	54.16	16.84	11.65	13.75	--
39.	14-08-2025	57.64	18.35	14.21	18.61	--
40.	18-08-2025	50.16	15.82	12.35	15.27	--
41.	21-08-2025	44.29	13.62	9.11	12.46	--
42.	25-08-2025	48.76	15.28	11.36	15.2	--
43.	28-08-2025	53.42	16.49	13.53	16.98	--
44.	01-09-2025	56.13	14.72	12.83	16.25	--
45.	04-09-2025	59.49	16.47	15.65	19.36	--
46.	08-09-2025	62.38	19.11	17.67	21.34	--
47.	11-09-2025	57.53	15.62	13.25	16.58	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	15-09-2025	51.39	13.46	11.91	13.24	--
49.	18-09-2025	46.73	11.93	8.75	10.83	--
50.	22-09-2025	41.28	10.35	7.98	10.11	--
51.	25-09-2025	49.58	12.35	10.62	14.35	--
52.	29-09-2025	54.38	14.53	13.14	16.46	--
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		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2025	65.18	25.63	15.28	20.73	0.03
2.	07-04-2025	61.46	24.37	14.59	18.93	--
3.	10-04-2025	72.53	27.18	17.24	22.47	--
4.	14-04-2025	77.68	30.36	19.41	24.84	--
5.	17-04-2025	73.26	26.12	18.19	22.53	--
6.	21-04-2025	66.91	22.28	15.37	20.15	--
7.	24-04-2025	69.46	24.37	16.24	19.98	--
8.	28-04-2025	75.68	27.21	18.55	23.42	--
9.	01-05-2025	63.24	22.43	12.56	16.78	--
10.	05-05-2025	66.7	24.32	13.24	17.45	--
11.	08-05-2025	55.23	21.12	11.23	15.21	--
12.	12-05-2025	71.32	23.78	15.67	19.87	--
13.	15-05-2025	67.45	24.54	16.23	20.56	--
14.	19-05-2025	69.78	20.98	14.21	18.32	--
15.	22-05-2025	72.45	23.12	13.21	17.67	--

Continue...


Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	26-05-2025	59.43	25.65	15.78	19.87	--
17.	29-05-2025	67.89	24.56	14.31	18.21	--
18.	02-06-2025	66.42	23.68	15.73	19.34	--
19.	05-06-2025	54.81	19.64	13.42	16.98	--
20.	09-06-2025	51.97	17.67	12.25	16.52	--
21.	12-06-2025	58.35	20.41	14.36	18.74	--
22.	16-06-2025	63.25	24.39	15.42	19.35	--
23.	19-06-2025	55.23	18.47	13.28	17.64	--
24.	23-06-2025	64.52	20.95	14.86	19.12	--
25.	26-06-2025	57.87	16.45	12.41	15.84	--
26.	30-06-2025	61.31	18.59	13.93	17.68	--
27.	03-07-2025	57.15	17.78	13.25	17.46	NOT DETECTED
28.	07-07-2025	61.42	19.12	14.97	18.41	--
29.	10-07-2025	54.37	15.26	10.32	14.99	--
30.	14-07-2025	58.49	16.58	12.49	15.74	--
31.	17-07-2025	56.28	17.49	12.04	16.38	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	21-07-2025	52.75	15.49	10.87	14.29	--
33.	24-07-2025	47.64	13.28	8.56	12.64	--
34.	28-07-2025	50.13	15.47	9.79	12.85	--
35.	31-07-2025	53.45	16.83	11.62	15.33	--
36.	04-08-2025	54.15	15.68	12.49	15.87	--
37.	07-08-2025	58.43	16.76	14.08	18.13	--
38.	11-08-2025	62.58	19.16	15.79	19.43	--
39.	14-08-2025	66.15	22.23	17.42	21.46	--
40.	18-08-2025	58.06	19.46	15.24	19.72	--
41.	21-08-2025	55.29	15.48	12.39	15.43	--
42.	25-08-2025	58.62	17.39	13.18	17.42	--
43.	28-08-2025	63.15	19.47	15.84	18.64	--
44.	01-09-2025	67.63	22.51	17.35	21.29	--
45.	04-09-2025	64.37	20.89	16.37	19.85	--
46.	08-09-2025	59.68	16.36	14.19	18.53	--
47.	11-09-2025	57.48	15.77	11.28	13.97	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	15-09-2025	61.27	16.85	13.54	17.36	--
49.	18-09-2025	65.49	18.64	18.05	23.47	--
50.	22-09-2025	63.61	17.42	15.37	20.86	--
51.	25-09-2025	56.37	14.26	13.62	17.14	--
52.	29-09-2025	59.72	16.35	15.82	20.44	--
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		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2025	70.42	21.18	12.89	16.92	NOT DETECTED
2.	07-04-2025	74.57	23.54	13.46	18.11	--
3.	10-04-2025	66.26	19.65	12.14	17.35	--
4.	14-04-2025	64.19	18.74	11.58	16.42	--
5.	17-04-2025	69.16	20.38	12.35	17.84	--
6.	21-04-2025	77.42	24.56	15.29	20.21	--
7.	24-04-2025	73.25	23.12	14.26	18.74	--
8.	28-04-2025	75.52	24.71	16.11	20.78	--
9.	01-05-2025	67.8	17.45	10.67	14.45	--
10.	05-05-2025	71.25	20.87	12.43	16.78	--
11.	08-05-2025	58.45	16.34	9.67	13.21	--
12.	12-05-2025	60.67	19.34	13.21	16.78	--
13.	15-05-2025	71.34	17.34	11.24	14.23	--
14.	19-05-2025	74.52	18.45	12.32	16.78	--
15.	22-05-2025	69.87	20.56	13.87	17.23	--

Continue...

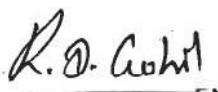
Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	26-05-2025	63.4	19.56	10.98	14.21	--
17.	29-05-2025	71.2	17.45	11.32	15.89	--
18.	02-06-2025	70.42	16.27	12.45	16.11	--
19.	05-06-2025	62.34	14.32	10.71	13.96	--
20.	09-06-2025	57.53	12.75	9.86	12.64	--
21.	12-06-2025	60.84	13.73	10.54	14.36	--
22.	16-06-2025	64.35	16.84	11.28	15.89	--
23.	19-06-2025	55.31	11.96	8.65	12.31	--
24.	23-06-2025	59.84	13.68	9.49	13.66	--
25.	26-06-2025	64.25	14.32	11.16	14.97	--
26.	30-06-2025	67.42	15.17	11.31	15.64	--
27.	03-07-2025	65.28	14.35	11.14	13.91	NOT DETECTED
28.	07-07-2025	68.59	15.47	12.52	15.02	--
29.	10-07-2025	66.14	14.81	11.77	14.93	--
30.	14-07-2025	73.39	17.75	14.35	16.84	--
31.	17-07-2025	68.13	15.63	10.42	13.27	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	21-07-2025	62.48	10.21	8.36	11.47	--
33.	24-07-2025	65.49	13.74	7.46	10.31	--
34.	28-07-2025	60.31	10.29	6.88	8.39	--
35.	31-07-2025	63.87	12.55	9.48	11.92	--
36.	04-08-2025	66.32	13.89	13.64	16.71	--
37.	07-08-2025	61.57	12.54	14.11	18.21	--
38.	11-08-2025	64.72	15.16	16.85	20.32	--
39.	14-08-2025	60.16	14.73	11.43	14.58	--
40.	18-08-2025	57.46	12.92	10.29	13.64	--
41.	21-08-2025	59.83	14.13	11.35	14.79	--
42.	25-08-2025	63.81	16.84	12.76	15.93	--
43.	28-08-2025	67.53	17.42	14.59	19.12	--
44.	01-09-2025	64.12	15.83	14.15	17.46	--
45.	04-09-2025	68.43	17.25	15.37	19.74	--
46.	08-09-2025	61.39	13.26	12.64	16.47	--
47.	11-09-2025	65.19	14.78	14.91	18.34	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	15-09-2025	59.49	11.36	8.79	11.24	--
49.	18-09-2025	63.31	14.28	12.46	15.87	--
50.	22-09-2025	67.72	18.31	15.89	20.11	--
51.	25-09-2025	61.24	15.73	12.25	16.31	--
52.	29-09-2025	65.47	15.39	13.46	17.95	--
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		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2025	65.35	15.24	16.49	20.74	NOT DETECTED
2.	07-04-2025	62.19	13.53	14.28	18.15	--
3.	10-04-2025	70.76	16.83	17.24	22.54	--
4.	14-04-2025	73.25	17.42	18.59	23.91	--
5.	17-04-2025	67.54	15.47	16.63	20.16	--
6.	21-04-2025	74.12	17.77	18.41	23.03	--
7.	24-04-2025	68.82	15.14	16.79	20.27	--
8.	28-04-2025	71.43	16.46	18.82	22.64	--
9.	01-05-2025	61.23	13.45	15.21	18.56	--
10.	05-05-2025	70.34	11.21	12.32	16.67	--
11.	08-05-2025	58.78	10.67	10.98	15.78	--
12.	12-05-2025	67.23	14.56	14.98	17.87	--
13.	15-05-2025	61.21	18.45	15.45	19.98	--
14.	19-05-2025	70.21	13.21	17.23	20.45	--
15.	22-05-2025	62.34	12.32	16.45	19.89	--

Continue...


Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	26-05-2025	69.34	15.45	17.87	21.12	--
17.	29-05-2025	71.23	14.56	15.23	19.21	--
18.	02-06-2025	67.42	12.81	13.18	16.63	--
19.	05-06-2025	64.39	13.52	10.25	13.95	--
20.	09-06-2025	70.84	15.48	15.87	19.32	--
21.	12-06-2025	61.29	12.46	11.29	15.47	--
22.	16-06-2025	56.48	11.58	9.65	13.29	--
23.	19-06-2025	59.42	13.96	10.74	13.87	--
24.	23-06-2025	54.39	10.88	8.76	12.54	--
25.	26-06-2025	60.13	14.56	13.24	17.56	--
26.	30-06-2025	65.13	13.86	11.89	15.47	--
27.	03-07-2025	60.83	14.57	12.63	15.17	NOT DETECTED
28.	07-07-2025	57.15	13.27	10.19	14.05	--
29.	10-07-2025	64.27	17.68	16.45	19.68	--
30.	14-07-2025	62.19	15.73	14.32	18.75	--
31.	17-07-2025	67.59	19.11	17.49	22.18	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	21-07-2025	64.38	17.26	14.97	17.64	--
33.	24-07-2025	58.52	14.17	11.45	14.32	--
34.	28-07-2025	53.23	12.95	9.76	12.35	--
35.	31-07-2025	56.32	14.35	12.82	16.24	--
36.	04-08-2025	57.16	13.53	10.81	13.86	--
37.	07-08-2025	55.82	12.73	9.89	13.13	--
38.	11-08-2025	60.12	14.28	12.11	15.74	--
39.	14-08-2025	64.59	15.94	13.54	16.82	--
40.	18-08-2025	59.42	13.26	11.92	15.29	--
41.	21-08-2025	56.17	12.51	10.46	14.71	--
42.	25-08-2025	58.15	13.48	12.79	15.26	--
43.	28-08-2025	62.59	16.76	14.52	18.1	--
44.	01-09-2025	64.58	17.14	15.72	18.11	--
45.	04-09-2025	60.87	16.48	14.36	16.95	--
46.	08-09-2025	62.46	18.25	17.42	20.21	--
47.	11-09-2025	56.48	15.36	13.47	16.47	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	15-09-2025	53.29	13.29	14.61	19.23	--
49.	18-09-2025	59.27	16.09	11.62	13.57	--
50.	22-09-2025	51.74	14.21	12.34	15.57	--
51.	25-09-2025	47.68	12.96	10.25	13.41	--
52.	29-09-2025	53.49	15.36	13.44	16.87	--
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		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2025	81.46	31.19	22.64	26.14	0.13
2.	07-04-2025	84.36	33.58	25.13	29.74	0.12
3.	10-04-2025	79.84	29.61	22.12	25.77	0.12
4.	14-04-2025	76.58	27.39	20.84	24.38	0.11
5.	17-04-2025	82.37	29.56	23.13	27.42	0.14
6.	21-04-2025	88.67	34.51	26.45	30.58	0.13
7.	24-04-2025	82.51	32.38	24.31	28.62	0.12
8.	28-04-2025	79.72	30.98	23.72	26.96	0.10
9.	01-05-2025	78.12	28.98	21.56	24.56	0.15
10.	05-05-2025	80.34	32.43	23.67	27.54	0.11
11.	08-05-2025	76.45	28.56	21.78	24.31	0.08
12.	12-05-2025	71.21	24.32	17.87	20.98	0.10
13.	15-05-2025	80.32	27.89	20.98	24.32	0.13
14.	19-05-2025	76.23	30.98	27.45	31.21	0.12
15.	22-05-2025	80.23	31.26	23.21	27.65	0.11

Continue...

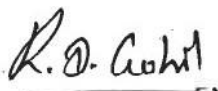
Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	26-05-2025	75.67	28.76	20.97	24.31	0.17
17.	29-05-2025	81.34	30.56	24.56	28.43	0.13
18.	02-06-2025	75.94	29.51	23.45	27.16	0.10
19.	05-06-2025	71.35	28.43	22.14	25.85	0.07
20.	09-06-2025	68.69	24.58	18.63	22.43	0.05
21.	12-06-2025	75.49	26.15	23.32	26.89	0.09
22.	16-06-2025	79.42	29.73	24.45	28.76	0.13
23.	19-06-2025	70.36	24.85	18.16	23.43	0.11
24.	23-06-2025	74.28	26.46	23.91	27.59	0.12
25.	26-06-2025	69.32	22.53	19.72	23.14	0.07
26.	30-06-2025	67.59	23.64	20.12	24.67	0.09
27.	03-07-2025	72.39	25.18	21.47	26.15	0.08
28.	07-07-2025	74.73	28.49	24.16	28.4	0.12
29.	10-07-2025	67.6	23.71	18.48	22.92	0.06
30.	14-07-2025	70.48	24.79	22.48	26.83	0.09
31.	17-07-2025	64.24	20.61	16.24	21.79	0.06

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	21-07-2025	67.59	26.42	19.58	24.36	0.11
33.	24-07-2025	65.18	24.76	17.58	22.12	0.11
34.	28-07-2025	62.91	21.25	16.83	20.95	0.12
35.	31-07-2025	67.68	26.62	20.16	24.87	0.12
36.	04-08-2025	65.28	24.16	18.29	23.18	0.11
37.	07-08-2025	69.11	26.4	19.14	25.31	0.12
38.	11-08-2025	73.25	28.72	22.19	27.43	0.12
39.	14-08-2025	70.15	25.13	21.42	26.84	0.11
40.	18-08-2025	64.85	20.84	16.92	21.16	0.11
41.	21-08-2025	61.43	18.46	15.27	19.88	0.12
42.	25-08-2025	65.43	21.05	17.11	21.62	0.12
43.	28-08-2025	68.16	23.37	20.49	24.86	0.11
44.	01-09-2025	70.31	25.27	20.81	16.39	0.12
45.	04-09-2025	73.27	27.13	23.64	27.35	0.11
46.	08-09-2025	75.19	30.31	25.65	31.34	0.12
47.	11-09-2025	65.4	23.27	18.75	24.81	0.12

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	15-09-2025	71.21	25.12	20.85	26.53	0.16
49.	18-09-2025	64.38	22.91	16.52	22.14	0.13
50.	22-09-2025	67.41	24.68	17.89	24.03	0.15
51.	25-09-2025	65.11	21.34	15.63	21.37	0.10
52.	29-09-2025	69.42	25.86	18.37	25.12	0.17
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		SV2			
Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03-04-2025	65.83	17.53	14.11	18.05
2.	07-04-2025	61.27	15.62	13.24	16.78
3.	10-04-2025	68.74	18.59	14.78	17.42
4.	14-04-2025	71.42	20.14	15.62	18.53
5.	17-04-2025	66.53	17.82	14.96	17.13
6.	21-04-2025	57.91	14.73	12.35	15.48
7.	24-04-2025	63.41	15.13	13.69	16.59
8.	28-04-2025	67.86	17.32	14.10	17.21
9.	01-05-2025	64.56	16.45	13.12	16.78
10.	05-05-2025	60.89	13.23	11.12	14.32
11.	08-05-2025	67.45	17.45	15.43	19.98
12.	12-05-2025	70.98	19.87	13.23	17.34
13.	15-05-2025	65.45	20.67	12.34	16.56
14.	19-05-2025	56.34	13.23	11.45	14.43
15.	22-05-2025	61.34	14.23	10.98	14.32

Continue...

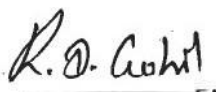
Name of Location		SV2			
Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
16.	26-05-2025	66.45	16.43	15.32	18.76
17.	29-05-2025	61.23	15.67	12.34	15.67
18.	02-06-2025	57.35	14.61	11.65	16.52
19.	05-06-2025	54.28	13.56	10.74	13.48
20.	09-06-2025	59.48	16.47	13.15	17.32
21.	12-06-2025	47.32	11.16	9.83	12.46
22.	16-06-2025	44.29	10.87	8.26	10.99
23.	19-06-2025	50.64	12.46	10.18	13.47
24.	23-06-2025	54.24	13.41	13.25	17.53
25.	26-06-2025	52.89	13.67	12.59	15.25
26.	30-06-2025	49.71	12.43	11.36	15.88
27.	03-07-2025	51.48	13.14	12.72	15.18
28.	07-07-2025	47.34	12.86	10.91	14.62
29.	10-07-2025	54.28	15.36	13.25	17.59
30.	14-07-2025	57.62	17.11	14.73	18.32
31.	17-07-2025	55.94	16.52	13.65	16.37

Continue...


Name of Location		SV2			
Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
32.	21-07-2025	49.57	14.32	10.87	13.07
33.	24-07-2025	45.31	11.29	8.42	12.86
34.	28-07-2025	42.18	10.53	8.13	11.36
35.	31-07-2025	47.35	13.76	10.49	13.35
36.	04-08-2025	45.25	12.37	8.92	11.38
37.	07-08-2025	47.86	13.68	9.42	13.11
38.	11-08-2025	52.13	14.28	11.47	14.67
39.	14-08-2025	55.84	16.21	13.82	16.49
40.	18-08-2025	47.16	13.05	12.39	15.28
41.	21-08-2025	40.13	10.28	7.46	10.32
42.	25-08-2025	45.60	12.37	9.64	12.97
43.	28-08-2025	49.25	13.49	11.24	14.65
44.	01-09-2025	52.36	15.27	12.58	15.13
45.	04-09-2025	45.72	13.67	10.24	13.86
46.	08-09-2025	41.47	12.29	8.76	10.34
47.	11-09-2025	47.28	14.65	9.83	12.35

Continue...

Name of Location		SV2			
Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
48.	15-09-2025	50.35	15.28	11.41	14.35
49.	18-09-2025	53.24	16.40	13.46	16.15
50.	22-09-2025	44.13	13.25	12.64	14.97
51.	25-09-2025	36.45	10.32	7.67	10.21
52.	29-09-2025	42.37	12.42	9.81	12.36
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6


Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring


Location Name		PUB / Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		03-04-2025	01-05-2025	02-06-2025	03-07-2025	04-08-2025	01-09-2025
1	06:00 to 07:00	61.8	62.6	60.2	60.5	61.4	58.4
2	07:00 to 08:00	64.3	65.6	64.7	62.8	63.7	61.3
3	08:00 to 09:00	63.2	68.6	66.9	65.7	64.5	62.8
4	09:00 to 10:00	65.1	65.5	67.3	65.5	65.5	64.5
5	10:00 to 11:00	64.3	68.3	68.5	67.2	66.2	66.7
6	11:00 to 12:00	65.4	68.9	67.4	68.8	67.9	66.4
7	12:00 to 13:00	66.5	65.4	66.3	66.3	65.8	65.3
8	13:00 to 14:00	65.8	66.3	65.4	62.3	64.5	65.8
9	14:00 to 15:00	63.2	68.5	67.8	64.7	65.3	66.2
10	15:00 to 16:00	65.8	64.5	65.3	65.3	66.2	65.4
11	16:00 to 17:00	66.5	68.3	67.5	67.5	67.1	66.2
12	17:00 to 18:00	62.3	65.6	64.1	64.5	65.7	67.6
13	18:00 to 19:00	64.7	67.2	65.7	66.1	65.5	66.1
14	19:00 to 20:00	64.8	63.5	64.2	64.2	64.2	65.3
15	20:00 to 21:00	63.1	60.5	62.7	62.7	63.6	61.4
16	21:00 to 22:00	58.4	62.8	60.4	60.3	59.8	60.1
Day Time		<75 dB (A)					

Continue...

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

Night Time	<70 dB (A)
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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					
		19-04-2025	17-05-2025	17-06-2025	12-07-2025	16-08-2025	13-09-2025
1	06:00 to 07:00	57.4	60.9	58.6	58.7	58.5	57.2
2	07:00 to 08:00	59.4	66.5	62.3	62.3	60.8	58.4
3	08:00 to 09:00	60.3	68.4	64.6	64.8	65.7	60.5
4	09:00 to 10:00	62.4	61.8	65.8	66.5	67.4	62.4
5	10:00 to 11:00	63.7	67.4	66.4	63.7	66.9	64.5
6	11:00 to 12:00	64.3	61.1	64.3	67.9	66.2	65.7
7	12:00 to 13:00	64.2	63.9	66.2	64.3	66.1	66.5
8	13:00 to 14:00	65.7	69.9	68.1	66.3	65.6	64.3
9	14:00 to 15:00	64.3	65.7	67.4	65.2	65.1	65.3
10	15:00 to 16:00	66.6	60.4	67.2	63.5	64.7	65.9
11	16:00 to 17:00	65.5	69.4	65.6	64.6	65.5	64.1
12	17:00 to 18:00	66.3	66.1	63.2	66.7	66.8	66.7
13	18:00 to 19:00	64.1	62.4	65.7	64.5	65.3	65.8
14	19:00 to 20:00	64.5	65.5	64.3	66.4	66.7	64.2
15	20:00 to 21:00	64.1	62.1	63.8	61.3	63.5	63.8
16	21:00 to 22:00	58.9	64.8	59.8	60.4	62.2	58.2
Day Time		<75 dB (A)					

Continue...


Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		19-04-2025	17-05-2025	17-06-2025	12-07-2025	16-08-2025	13-09-2025
1	22:00 to 23:00	58.7	55.3	56.4	59.5	58.6	57.1
2	23:00 to 24:00	60.4	56.7	56.9	58.6	59.3	58.3
3	24:00 to 01:00	59.8	55.8	53.8	60.5	61.2	55.6
4	01:00 to 02:00	61.3	54.2	55.2	59.4	59.4	56.7
5	02:00 to 03:00	60.6	60.5	51.3	57.2	57.2	57.2
6	03:00 to 04:00	59.4	51.4	52.8	55.8	55.2	56.9
7	04:00 to 05:00	60.8	54.5	54.3	57.6	56.3	57.4
8	05:00 to 06:00	58.2	55.4	55.6	56.3	56.7	57.2

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




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

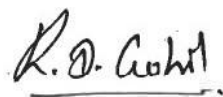
Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		05-04-2025	03-05-2025	03-06-2025	01-07-2025	05-08-2025	03-09-2025
1	06:00 to 07:00	58.1	62.6	62.1	60.9	60.3	58.5
2	07:00 to 08:00	58.7	68.3	65.7	62.3	62.3	62.4
3	08:00 to 09:00	59.8	64.2	66.3	65.8	64.3	63.8
4	09:00 to 10:00	61.4	69.8	67.5	64.3	65.6	65.6
5	10:00 to 11:00	66.2	62.2	67.8	65.7	65.7	64.3
6	11:00 to 12:00	65.9	68.8	68.3	68.3	68.2	67.6
7	12:00 to 13:00	65.4	67.2	68.5	66.3	66.7	65.3
8	13:00 to 14:00	66.3	62.5	66.3	68.9	67.1	65.9
9	14:00 to 15:00	64.7	67.1	65.2	64.5	65.4	65.1
10	15:00 to 16:00	64.3	61.5	67.4	67.8	66.5	66.4
11	16:00 to 17:00	65.7	66.8	67.1	64.2	64.3	65.7
12	17:00 to 18:00	63.2	67.5	65.4	61.3	63.4	64.5
13	18:00 to 19:00	64.1	68.1	67.3	64.5	64.8	64.2
14	19:00 to 20:00	63.5	65.2	66.2	62.8	63.4	65.4
15	20:00 to 21:00	61.3	64.1	63.8	58.7	60.7	62.1
16	21:00 to 22:00	60.2	61.2	61.7	58.1	59.5	58.7
Day Time		<75 dB (A)					

Continue...


Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		05-04-2025	03-05-2025	03-06-2025	01-07-2025	05-08-2025	03-09-2025
1	22:00 to 23:00	60.5	63.2	62.6	59.6	58.1	59.5
2	23:00 to 24:00	61.3	60.5	61.2	63.5	59.3	57.6
3	24:00 to 01:00	63.2	60.4	59.6	62.8	60.8	59.3
4	01:00 to 02:00	63.5	62.1	60.4	63.4	62.7	57.2
5	02:00 to 03:00	63.8	57.8	61.1	61.8	61.4	60.4
6	03:00 to 04:00	62.4	59.4	60.7	59.6	58.7	58.6
7	04:00 to 05:00	63.1	60.2	58.3	60.7	58.2	57.3
8	05:00 to 06:00	61.4	64.2	60.7	59.1	58.7	58.1

Night Time	<70 dB (A)
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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		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		09-04-2025	06-05-2025	06-06-2025	05-07-2025	09-08-2025	06-09-2025
1	06:00 to 07:00	61.9	60.5	59.7	63.1	60.4	61.3
2	07:00 to 08:00	62.4	62.8	63.2	65.7	63.2	63.8
3	08:00 to 09:00	62.8	66.1	65.7	64.5	63.8	64.3
4	09:00 to 10:00	64.3	65.5	64.3	66.1	64.7	63.8
5	10:00 to 11:00	65.1	68.3	66.2	68.2	67.3	66.8
6	11:00 to 12:00	64.7	68.9	67.5	64.7	65.4	65.3
7	12:00 to 13:00	66.7	64.6	67.4	63.9	63.9	64.8
8	13:00 to 14:00	64.5	66.3	65.2	66.5	65.4	64.7
9	14:00 to 15:00	63.2	68.5	67.1	65.9	67.5	66.8
10	15:00 to 16:00	63.8	64.5	65.7	63.7	64.1	64.3
11	16:00 to 17:00	64.5	63.5	64.3	65.1	65.1	64.8
12	17:00 to 18:00	64.6	65.6	68.9	68.7	67.8	67.1
13	18:00 to 19:00	63.3	61.5	66.4	65.2	64.3	65.7
14	19:00 to 20:00	65.4	63.5	64.2	64	65.2	64.2
15	20:00 to 21:00	64.7	60.5	61.3	62.6	63.6	63.5
16	21:00 to 22:00	61.7	58.5	58.6	60.7	61.2	59.6
Day Time		<75 dB (A)					

Continue...


Location Name		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		09-04-2025	06-05-2025	06-06-2025	05-07-2025	09-08-2025	06-09-2025
1	22:00 to 23:00	59.7	57.1	57.4	57.2	56.7	55.2
2	23:00 to 24:00	60.8	56.5	57.8	59.8	57.3	56.9
3	24:00 to 01:00	63.8	54.2	56.2	60.2	58.6	57.4
4	01:00 to 02:00	63.1	57.8	55.9	62.9	60.1	55.3
5	02:00 to 03:00	62.5	51.5	53.4	60.7	63.2	58.4
6	03:00 to 04:00	63.5	50.6	51.2	57.9	60.7	60.2
7	04:00 to 05:00	61.7	55.3	50.8	60.3	59.2	61.4
8	05:00 to 06:00	58.2	56.1	54.2	58.9	61.4	62.5

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




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

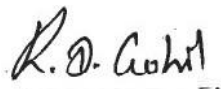
Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		12-04-2025	10-05-2025	11-06-2025	08-07-2025	12-08-2025	09-09-2025
1	06:00 to 07:00	58.5	60.5	60.2	59.6	59.1	57.8
2	07:00 to 08:00	62.7	58.4	61.2	63.5	60.5	59.1
3	08:00 to 09:00	63.4	62.5	66.4	66.4	64.3	61.4
4	09:00 to 10:00	65.7	69.4	64.9	64.8	65.3	62.6
5	10:00 to 11:00	64.3	65.4	65.4	67.3	66.9	65.4
6	11:00 to 12:00	63.5	66.3	65.8	65.8	66.7	66.8
7	12:00 to 13:00	64.3	66.7	63.2	64.2	64.3	65.3
8	13:00 to 14:00	65.3	64.9	66.6	68.2	67.6	65.5
9	14:00 to 15:00	64.5	66.8	64.2	63.9	65.2	65.4
10	15:00 to 16:00	65.4	63.6	67.5	65.1	65.6	66.2
11	16:00 to 17:00	66.3	64.8	65.8	67.2	67.5	67.4
12	17:00 to 18:00	65.8	62.2	65.3	65.3	65.4	66.1
13	18:00 to 19:00	66.2	68.4	67.3	64.8	65.1	64.3
14	19:00 to 20:00	64.3	67.1	65.9	63.2	64.8	63.9
15	20:00 to 21:00	65.1	60.2	64.7	60.3	63.2	60.8
16	21:00 to 22:00	60.8	63.4	60.3	58.9	59.7	61.3
Day Time		<75 dB (A)					

Continue...

Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		12-04-2025	10-05-2025	11-06-2025	08-07-2025	12-08-2025	09-09-2025
1	22:00 to 23:00	61.1	59.6	59.5	59.8	59.2	58.7
2	23:00 to 24:00	60.2	60.3	60.1	61.3	60.7	60.1
3	24:00 to 01:00	61.7	60.5	59.7	63.7	62.3	58.7
4	01:00 to 02:00	63.2	61.2	58.4	60.5	63.8	58.6
5	02:00 to 03:00	63.4	57.8	58.3	58.6	60.7	60.3
6	03:00 to 04:00	62.6	53.5	58.9	60.2	62.1	60.8
7	04:00 to 05:00	60.9	58.2	60.3	59.6	60.5	59.6
8	05:00 to 06:00	59.1	59.3	59.6	56.7	58.6	60.1

Night Time	<70 dB (A)
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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		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		16-04-2025	14-05-2025	14-06-2025	09-07-2025	13-08-2025	10-09-2025
1	06:00 to 07:00	61.1	62.6	64.1	61.3	62.4	62.7
2	07:00 to 08:00	63.5	68.3	66.5	66.7	63.8	62.5
3	08:00 to 09:00	66.5	64.2	68.7	64.2	63.7	64.6
4	09:00 to 10:00	66.3	69.8	68.3	66.9	66.2	65.8
5	10:00 to 11:00	65.6	62.2	69.5	64.8	65.5	66.3
6	11:00 to 12:00	67.8	68.8	67.6	67.4	67.5	67.3
7	12:00 to 13:00	66.8	67.2	65.6	63.5	65.4	64.6
8	13:00 to 14:00	63.5	62.5	67.3	65.6	65.3	66.4
9	14:00 to 15:00	65.8	67.1	68.7	64.2	64.8	66.1
10	15:00 to 16:00	64.5	61.5	66.3	68.1	67.5	67.8
11	16:00 to 17:00	64.7	66.8	64.3	66.3	66.1	66.6
12	17:00 to 18:00	65.4	65.7	66.1	63.1	64.2	64.8
13	18:00 to 19:00	63.4	68.1	64.6	61.9	59.9	61.2
14	19:00 to 20:00	65.2	65.2	66.7	64.8	60.6	61.4
15	20:00 to 21:00	63.5	64.1	66.1	62.7	61.6	61.5
16	21:00 to 22:00	61.5	61.2	64.5	61.2	60.8	61.8
Day Time		<75 dB (A)					

Continue...


Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		16-04-2025	14-05-2025	14-06-2025	09-07-2025	13-08-2025	10-09-2025
1	22:00 to 23:00	62.4	63.2	62.8	62.3	61.3	62.3
2	23:00 to 24:00	63.8	57.8	60.5	64.3	63.5	63.5
3	24:00 to 01:00	64.3	58.9	60.4	62.8	63.7	60.8
4	01:00 to 02:00	64.1	62.1	61.7	61.7	62.5	61.4
5	02:00 to 03:00	63.8	55.4	60.4	60.4	62.3	61.7
6	03:00 to 04:00	63.1	59.4	61.2	58.9	60.7	61.1
7	04:00 to 05:00	62.7	60.2	59.6	60.1	61.4	60.8
8	05:00 to 06:00	61.2	64.2	61.7	58.5	59.4	61.4

Night Time	<70 dB (A)
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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		SV2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		26-04-2025	23-05-2025	24-06-2025	18-07-2025	22-08-2025	20-09-2025
1	06:00 to 07:00	58.2	58.7	57.8	57.4	58.2	58.7
2	07:00 to 08:00	59.7	59.7	58.4	58.7	59.1	58.3
3	08:00 to 09:00	60.8	61.2	60.2	59.3	60.8	60.3
4	09:00 to 10:00	61.3	61.3	61.8	60.3	64.3	62.4
5	10:00 to 11:00	61.4	62.3	63.4	63.8	64.2	65.4
6	11:00 to 12:00	63.7	63.7	64.2	64.7	64.8	65.7
7	12:00 to 13:00	62.7	63.8	63.4	63.5	66.7	66.3
8	13:00 to 14:00	63.4	63.4	65.1	65.6	66.4	65.1
9	14:00 to 15:00	65.2	65.2	64.8	64.3	65.3	65.8
10	15:00 to 16:00	65.6	65.6	65.3	66.7	65.9	64.3
11	16:00 to 17:00	64.3	64.3	63.7	65.2	64.2	63.2
12	17:00 to 18:00	64.6	65.2	64.6	64.3	64.3	66.1
13	18:00 to 19:00	62.4	62.4	63.1	62.2	64.2	65.3
14	19:00 to 20:00	61.3	60.6	62.3	63.4	62	64.8
15	20:00 to 21:00	62.7	61.2	60.8	60.5	60.3	62.1
16	21:00 to 22:00	58.7	58.1	58.6	57.4	59.2	60.8
Day Time		<75 dB (A)					

Continue...


Location Name		SV2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		26-04-2025	23-05-2025	24-06-2025	18-07-2025	22-08-2025	20-09-2025
1	22:00 to 23:00	57.4	57.3	56.4	54.3	54.1	54.4
2	23:00 to 24:00	57.8	56.4	55.6	55.3	54.6	55.2
3	24:00 to 01:00	60.2	60.3	56.1	56.7	55.8	54.6
4	01:00 to 02:00	62.1	62.4	54.3	54.4	56.7	52.5
5	02:00 to 03:00	61.8	61.6	52.9	53.7	54.5	53.7
6	03:00 to 04:00	60.5	60.5	53.4	52.5	53.6	54.6
7	04:00 to 05:00	59.3	58.5	55.4	54.7	54.2	55.7
8	05:00 to 06:00	58.1	57.6	56.9	55.7	55.8	54.6

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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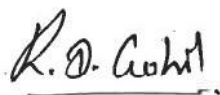

Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring					
Monitoring Period: April - 2025 to September - 2025					
Sr. No.	Parameter	Unit	Adani Hospital DG Set	GPCB LIMIT	Method of Test
			Sep-25		
			02-09-2025		
1	Particulate Matter	mg/Nm ³	20.13	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	7.64	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	26.28	50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	WTP Nr CETP D.G.Set No. S-1 (380 KVA)	GPCB LIMIT	Method of Test
			Aug-25		
			25-08-2025		
1	Particulate Matter	mg/Nm ³	21.72	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	6.81	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	23.46	50	IS 11255 (Part - 7)




Rajnish D. Gohil
(Chemist)





Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring					
Monitoring Period: April - 2025 to September - 2025					
Sr. No.	Parameter	Unit	Adani House D.G.Set No. S-1 (750 KVA)	GPCB LIMIT	Method of Test
			Sep-25		
			05-09-2025		
1	Particulate Matter	mg/Nm ³	23.11	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	10.32	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	25.88	50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	D.G.Set No. S-2 (500 KVA –PUB)	GPCB LIMIT	Method of Test
			Sep-25		
			05-09-2025		
1	Particulate Matter	mg/Nm ³	19.69	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	8.42	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	30.73	50	IS 11255 (Part - 7)


Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

RESULTS OF CETP INLET WATER

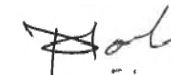
SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25		
			16-04-2025	12-05-2025	03-06-2025	14-07-2025	18-08-2025	20-09-2025		
1.	pH @ 27 ° C	--	7.14	7.18	7.83	7.42	7.76	7.46	6.5 to 8.5	IS 3025(Part 11):2022
2.	Temperature	°C	31	31	30.5	30	30	30	--	IS 3025(Part 9):2023
3.	Colour	Pt. Co. Scale	60	50	60	60	80	80	100	IS 3025(Part 4):2021
4.	Total Suspended Solids	mg/L	38	54	24	32	90	82	800	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)	20	IS 3025(Part 39):2021
6.	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)	2	IS 3025(Part 43):2022
7.	Fluoride	mg/L	1.35	1.28	1.62	1.44	1.74	1.81	2	APHA 24th Ed.2023,4500 F, D
8.	Iron as Fe	mg/L	0.135	0.162	0.43	0.202	0.185	0.172	3	IS 3025(Part 53):2003,
9.	Zinc as Zn	mg/L	0.144	0.148	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	15	IS 3025(Part 49):1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	By Calculation
11.	Sulphide	mg/L	0.68	0.58	0.44	0.62	BDL(MDL:0.1)	BDL(MDL:0.1)	2	APHA 24th Ed.2023,4500 S ⁻² F

Continue...

SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25		
			16-04-2025	12-05-2025	03-06-2025	14-07-2025	18-08-2025	20-09-2025		
12.	Ammonical Nitrogen	mg/L	26.3	29.5	23.4	28.4	35.4	24.2	50	IS 3025(Part 34):1988,
13.	BOD (3 days at 27 °C)	mg/L	54	64	36	48	23	31	1000	IS 3025(Part 44):2023
14.	COD	mg/L	180.5	194.4	121	162.4	77	104.5	2000	IS 3025(Part 58):2023
15.	Chloride (as Cl) -	mg/L	962	974.4	856.2	980.4	917.4	940.1	1000	IS 3025(Part 32):1988
16.	Sulphate (as SO ₄)	mg/L	144	152	152.1	160.2	144	152	1000	IS 3025(Part 24):2022
17.	Total Dissolved Solids	mg/L	1990	2046	1880	1994	2020	2062	2100	APHA 24th Ed.2023,2540- C
18.	Total Residual Chlorine	mg/L	0.58	0.67	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	2	IS 3025(Part 26):2021
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 42):1992



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF CETP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP Outlet	TEST METHOD
			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25		
			16-04-2025	12-05-2025	03-06-2025	14-07-2025	18-08-2025	20-09-2025		
1.	pH @ 27 ° C	--	7.51	7.42	8.31	7.64	7.82	7.52	6.0 – 9.0	IS 3025(Part 11):2022
2.	Temperature	°C	31	31	30.5	30	30	30	Shall not exceed more than 5 °C above received water temperature	IS 3025(Part 9):2023
3.	Colour	Pt. Co. Scale	40	40	40	50	50	60	100	IS 3025(Part 4):2021
4.	Total Suspended Solids	mg/L	22	28	12	14	10	18	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.	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
7.	Fluoride	mg/L	1.14	1.09	1.11	1.52	1.62	1.75	2	APHA 24th Ed.2023,4500 F, D
8.	Iron as Fe	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	3	IS 3025(Part 53):2003,
9.	Zinc as Zn	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	15	IS 3025(Part 49):1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	By Calculation

Continue...

11.	Sulphide	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	2	APHA 24th Ed.2023,4500 S ⁻² F
12.	Ammonical Nitrogen	mg/L	16.4	22.8	5.2	12.6	20.8	22.1	50	IS 3025(Part 34):1988,
13.	BOD (3 days at 27 °C)	mg/L	22	26	20	27	16	22	100	IS 3025(Part 44):2023
14.	COD	mg/L	74.5	88.6	67.9	90.5	56.2	75.4	250	IS 3025(Part 58):2023
15.	Chloride (as Cl) ⁻	mg/L	896.4	924.5	872.2	962.8	951.8	946.2	1000	IS 3025(Part 32):1988
16.	Sulphate (as SO ₄)	mg/L	142	164	193.7	172.2	180	184	1000	IS 3025(Part 24):2022
17.	Total Dissolved Solids	mg/L	1980	2034	1846	2010	2042	2022	2100	APHA 24th Ed.2023,2540- C
18.	Total Residual Chlorine	mg/L	0.62	0.68	0.62	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	1	IS 3025(Part 26):2021
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 42):1992
20.	Bio Assay test (%)	%	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	IS:6582-1971
21	TOC		27.9	33	20.3	34	21	28	--	APHA 24th Ed.,2023,5310



Mr. Nilesh Patel
Sr. Chemist



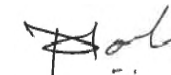

Mr. Nitin Tandel
Technical Manager

RESULTS OF BOREHOLE WATER SAMPLE

Sr. No	Parameters	Method	Unit	23-09-2025	23-09-2025	27-09-2025	27-09-2025
				Nr. PUB Building.	Nr. CETP	Nr.flyover bridge	Dhrub
1	pH @ 25 ° C	IS 3025(Part 11)1983	--	7.38	8.36	7.41	8.14
2	Salinity	APHA 24th Ed.,2023,2520 B	ppt	20.58	14.8	8.01	1.45
3	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)
4	Hydrocarbon	GC/GCMS	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
5	Lead as Pb	IS 3025 (PART 47) 1994	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
6	Arsenic as As	APHA 24th Ed.,2023,3114-C	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
7	Nickel as Ni	IS 3025 (PART 54) 2003	mg/L	BDL(MDL:0.02)	0.099	0.119	BDL(MDL:0.02)
8	Total Chromium as Cr	IS 3025 (PART 52) 2003	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)
9	Cadmium as Cd	IS 3025(PART 41) 1992	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	0.084	BDL(MDL:0.003)
10	Mercury as Hg	APHA 24th Ed.,2023, 3112-B	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)
11	Zinc as Zn	IS 3025(PART 49) 1994	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)
12	Copper as Cu	IS 3025 (PART 42) 1992	mg/L	BDL(MDL:0.05)	0.084	0.101	BDL(MDL:0.05)
13	Iron as Fe	IS 3025(PART 53) 2003	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)
14	Insecticides/Pesticides	USEPA 8081 B	µg/L	Absent	Absent	Absent	Absent
15	Depth of Water Level from Ground Level	--	meter	2.1	2	2	1.9



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF SOIL SAMPLE

SR.NO.	TEST PARAMETERS	UNIT	23-09-2025	27-09-2025	23-09-2025	23-09-2025
			Near PUB	Dhrub	Near Flyover Bridge	Near CETP
1	pH	--	8.34	8.29	8.46	8.74
2	Nitrogen as N	%	0.18	0.34	0.29	0.47
3	Phosphorus as P	mg/kg	1140.2	810.2	846.2	3868.2
4	Potassium as K	mg/kg	38.4	940	196.2	162.4
5	Baron as B	mg/kg	1.62	1.74	2.06	2.46
6	Calcium as Ca	mg/kg	354.2	2840.2	742.8	412.2
7	Magnesium as Mg	mg/kg	176.4	4240.6	460.2	90.8
8	Iron as Fe	%	0.74	1.22	0.86	1.42
9	Moisture	%	0.54	1.26	0.39	1.14
10	Organic Matter	%	0.96	1.44	1.34	1.29
11	Cation exchange capacity (CEC)	meq/100gm	11.1	14.8	2.4	9.6
12	TVC	CFU/gm	2300000	2400000	2500000	2300000
13	Cadmium as Cd	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
14	Thorium as Th	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
15	Antimony as Sb	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
16	Arsenic as As	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)

Continue...

17	Lead as Pb	mg/kg	8.14	9.19	14.82	7.11
18	Chromium as Cr	mg/kg	2.49	7.42	3.11	3.46
19	Cobalt as Co	mg/kg	9.85	11.21	8.02	8.14
20	Copper as Cu	mg/kg	7.11	10.75	28.02	15.46
21	Nickel as Ni	mg/kg	9.6	15.12	10.24	12.4
22	Manganese and Mn	mg/kg	374	240	206	184
23	Vanadium as V	mg/kg	5.96	7.45	7.64	7.16



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

Minimum Detection Limit			
Ambient Air Quality Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	1-30 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³
Stack Emission Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SOX	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NOX	mg/Nm ³	5 mg/Nm ³

CETP water			
Sr. No.	Test Parameter	Unit	MDL
1	pH @ 27 ° C	--	2
2	Temperature	0C	5
3	Colour	Pt. Co. Scale	5
4	Total Suspended Solids	mg/L	4
5	Oil & Grease	mg/L	4
6	Phenolic Compound	mg/L	0.1
7	Fluoride	mg/L	0.2
8	Iron as Fe	mg/L	0.1
9	Zinc as Zn	mg/L	0.05
10	Trivalent Chromium	mg/L	0.05
11	Sulphide	mg/L	0.1
12	Ammonical Nitrogen	mg/L	5
13	BOD (3 days at 27 0C)	mg/L	1
14	COD	mg/L	2
15	Chloride (as Cl) ⁻	mg/L	1
16	Sulphate (as SO ₄)	mg/L	1
17	Total Dissolved Solids	mg/L	4
18	Total Residual Chlorine	mg/L	0.1
19	Copper as Cu	mg/L	0.05
20	Bio Assay test (%)	%	--

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

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 (till Sept.'25)	2025 – 26
1.	Environmental Study / Audit and Consultancy	22.67	40.46	37.39	45.2
2.	Legal & Statutory Expenses	8.60	17.37	10.55	13
3.	Environmental Monitoring Services	13.37	17.27	8.73	20.46
4.	Hazardous / Non-Hazardous Waste Management & Disposal	130.11	122.46	70.95	156.13
5.	Environment Days Celebration and Advertisement / Business development	3.42	1.85	1.76	4.5
6.	Treatment and Disposal of Bio-Medical Waste	2.28	2.39	1.26	2.4
7.	Mangrove Plantation, Monitoring & Conservation	15	0	---	---
8.	Other Horticulture Expenses	904	570	175	655
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	186.94	164.31	117.47	227.69
10.	Expenditure of Environment Dept. (Apart from above head)	80.39	93.40	40.32	49.41
Total		1366.78	1029.51	463.43	1173.79

Annexure – 8



Certificate of Validation

Zero Waste to Landfill Achievement

Presented to

Mundra Port

Adani Ports and Special Economic Zone Ltd
At & Post –Mundra, Gujarat–370405, India

This is to certify that **Mundra Port** has successfully achieved the **Zero Waste to Landfill (ZWL) Platinum – Class I Rating** by demonstrating outstanding leadership in waste management practices through:

- *Waste Diversion Rate: Attaining a diversion rate of 99.61% from landfill through the adoption and implementation of the 5R principles — Reduce, Reuse, Repurpose, Recycle, and Recover.*
- *Sustained Commitment: Maintaining ongoing compliance through participation in annual surveillance audits to ensure conformance and adherence to ZWL principles.*

**ZERO
WASTE
TO LANDFILL**



Seema Arora
Deputy Director General
Confederation of Indian Industry

Certificate Issued on: 03 May 2025

Certificate No.: CII/ZWL/2025/001

Validity of Certification: *From 23 December 2024 to 22 December 2027*

Initial Certification: TUV/ZWLMS/2021/Adani Ports/0501

This certification is awarded based on the evidence submitted and verified during the assessment period. The certified organization bears sole responsibility for the accuracy of submitted data and for maintaining ongoing compliance. For detailed terms of certification, audit findings, and evaluation methodology, please refer to the attached Annexure.

Annexure – 9

APSEZL/EnvCell/2025-26/064

Date: 08.09.2025

To,

Member Secretary

Gujarat Pollution Control Board

Paryavaran Bhavan,

Sector-10-A, Gandhinagar-382010

Dear Sir,

Sub: Environmental Statement for the financial year ending 31st March, 2025 for **Adani Ports and SEZ Limited (Multi Product SEZ)**.

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

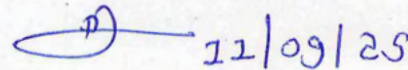
With reference to the above-mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for **M/s Adani Ports and SEZ Limited (Multi Product SEZ), Village & Taluka: Mundra, Dist. Kutch - 370421** for the financial year ending 31st March 2025.

Thanking you,

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



Authorized Signatory



Encl: As above.

**Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010**

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

Annexure – 10

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	482,000	6,146,638	61.47
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	3,903,900	48,589,692	485.90
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	895,000	15,714,780	157.15
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	316,000	18,077,975	180.78
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	286,000	11,280,936	112.81
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 trenaing Centor & Maintenance work	--	--	--	--	--	6,022,000	2,051,000	-	-	-	8,073,000	80.73
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	6,401,900	164,303,347	1,643.03

Annexure – 11

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 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
1	Land Use Change						
1.1	<p>It is predicted that the built up land in the rural areas would increase by an order 50% from the baseline 2015.</p> <p>New settlements near the SEZ area might create slums.</p> <p>Unorganized urban development leading to poor sanitation and proliferation</p>	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	<p>APSEZ has developed two townships (Shantivan and Samudra) accommodating 2378 households and associated infrastructure facilities. Accommodation is made available for all interested employees working within Adani group & SEZ industries. Out of which 82.30 % Occupancies are accommodated within the townships and rest are available for employees working within APSEZ.</p> <p>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.</p> <p>Most of the employees working in SEZ industries are residing in Mundra town having all basic requirements and associated facilities.</p> <p>The existing social infrastructure facilities are adequate for present development at APSEZ. The existing townships with associated facilities will be</p>

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	of vectors and disease.						<p>expanded as per requirement.</p> <p>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 of 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 362 Lacs.</p>
1.2	Once the project is fully developed, due to increase in built up land in the APSEZ area, there will be an increase in the storm water runoff from the facility.	Level-1	The study area experiences scanty rainfall less than 400 mm/year. Considering the natural gradient, ASPEZ have designed and implemented storm water	Technical feasibility study can be carried out to explore the possibility of developing storm water collection ponds to utilize maximum possible storm water runoff for dust suppression in the coal yard areas during non-rainy days.	APSEZ	Technical Study - one time, Implementation - Continual process	<p>Presently, ~ 39 % area is already developed & ~ 13% area is under construction phase out of the total SEZ area</p> <p>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 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</p>

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			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.				laboratory. The analysis report of the same shows there is no any contamination. The report of the same is attached as Annexure - i . During compliance period FY 2025-26 till Sep'25 total recorded rain fall was 668 mm observed, which was much less than the design capacity of existing storm water drainage system. So our 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-Product SEZ and CRZ clearance for Desalination, sea water intake, outfall	The channel depth in all the natural streams shall be maintained to accommodate peak flood flow during the monsoon and periodical desilting activities in the natural streams passing through the APSEZ area	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.

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			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.				
1. 3	Due to conservation and protection of mangroves in the designated conservation area, it has been predicted	Positive Impact with ecological benefits	In addition to conservation of the identified 1254 ha mangrove areas around Mundra port and SEZ, APSEZ has taken up large scale	APSEZ will continue mangrove afforestation as per the commitment made with concerned regulatory authority	APSEZ	Short Term	<p>APSEZ has carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat till date. Total expenditure for the same till Sep'25 is INR 1592.8 lakh. No further mangrove afforestation is pending w.r.t. commitment made with concerned regulatory authority for APSEZ, Mundra project.</p> <p>1. NCSCM (MoEF&CC promoted Government Agency) study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ.</p>

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	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.		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				<p>As a part of mangrove conservation plan, APSEZ has done following activities.</p> <ol style="list-style-type: none"> 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. 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. <ul style="list-style-type: none"> 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. Hence, overall increase in mangrove cover area in creek system in and around APSEZ

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						
							<p>from 2011 (2094 Ha) to September 2023 (2501 Ha) is 407 Ha (19.43%). The NCSCM Mangrove mapping report is attached as Annexure – 1.</p> <p>c. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ.</p> <p>d. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report was submitted during the compliance submission for the period Oct'24 to Mar'25.</p> <p>e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.</p> <p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities.</p> <table><tr><th>Sr. No.</th><th>Recommendations</th><th>Compliance</th></tr><tr><td>1.</td><td>Mangrove mapping and monitoring in</td><td><ul style="list-style-type: none">APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove</td></tr></table>	Sr. No.	Recommendations	Compliance	1.	Mangrove mapping and monitoring in	<ul style="list-style-type: none">APSEZ entrusted NCSCM, Chennai to carry out Monitoring of mangrove
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								and around APSEZ	<p>distribution in creeks in and around APSEZ and shoreline changes in Bocha island.</p> <ul style="list-style-type: none"> 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

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									<p>hectares, accounting for about a 0.08% increase.</p> <ul style="list-style-type: none"> 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 is attached as Annexure – 1. The cost of the said study was INR 45.87 Lacs incurred by APSEZ.
							2.	Tidal observation in creeks in and around APSEZ	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.

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									<ul style="list-style-type: none"> The cost of the said activity was Rs. 1,50,000 during FY 2024-25. The algal removal report was submitted during the compliance period Oct'24 to Mar'25.
							4.	Awareness of mangroves importance in surrounding communities	<ul style="list-style-type: none"> 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 36 Villages. Dry Fodder 8,65,965 Kg Green – 30,75,945 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25, 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.

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								<ul style="list-style-type: none"> 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 during the compliance 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-		Detailed hydro-dynamic modelling and shoreline change prediction	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; <ul style="list-style-type: none"> Bathymetry & Topography study, preparation of plan for protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary. 	

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
	dynamic characteristics along the shoreline. Shoreline of any area also can be influenced by storm surges and other natural processes.		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 criteria of ± 0.5 m/year, which reconfirms that the waterfront development activities of APSEZ would pose insignificant impact on				<ul style="list-style-type: none"> A Regional Impact Assessment study to identify impacts of all the existing as well as proposed project activities in Mundra region. <p>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.</p> <p>Based on the study outcome, it is recommended to map the coastal morphology (shoreline change) at least once in three years.</p> <p>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.</p> <p>As per GUIDE study, the rate of shoreline changes statistics on a time series of multiple shoreline positions of a totally 43 km coastline stretches (16 km</p>

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			the Mundra shoreline.				<p>on the west side and 27 km on the east side of Adani main port) on either side of Adani Ports and Special Economic Zone Ltd (APSEZL) has been taken into account for the calculation by using satellite images.</p> <p>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.</p> <p>The details of the rate of shoreline changes (Short interval time) recorded from 2015 to 2022 are summarized in below table.</p> <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> <p>The Shoreline Change Assessment Study report of GUIDE was submitted along with six monthly compliance report for the period Oct'22 to Mar'23.</p>	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
Period	Name of the block	Average Shoreline Change(M/Y ear)	Shoreline Change(M)																				
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							<p>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.</p> <p>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 condition was considered for 2008, 2013 and 2018. AMBUR Methodology was used to study the historical analysis.</p> <p>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.</p> <p>The maximum accretion and erosion rate of the west side shoreline over a period of 10 years during the year</p>

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							<p>2008 – 2018 are observed to be 4.78 m/yr and 1.93 m/yr respectively.</p> <p>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.</p>
2	Regional Traffic Management Plan						
2.1	The projected traffic data as per the EIA Report of Multi-Product Special Economic Zone, the peak vehicular traffic from the port and SEZ operations (including supporting facilities)	Level-1	As per the master plan of APSEZ, eight artillery 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	Additional road as per master plan will be built in future based 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	APSEZ	As and When Required	<p>Presently, ~ 39 % area is already developed & ~ 13% area is under construction phase out of the total SEZ area..</p> <p>Existing road/rail/conveyer infrastructure facilities are adequate to evacuate the existing cargo. Further, APSEZ's cargo evacuation through rail / conveyer / pipeline has ~48.75 %. Additional Road facilities will be built as per master plan considering future development.</p> <p>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.</p>

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	<p>and colony) could be in the order of 18,300 and 10,400 vehicles per day respectively .</p> <p>There could be a possible increase in traffic congestions on village-highway intersections and road accidents.</p>		<p>traffic Congestions in the respective villages. The carrying capacity of the eight artillery roads connecting APSEZ is estimated to be about 16,000 PCU/hr as against the envisaged peak traffic volume of 4,500 PCU/hr.</p> <p>Out of eight artillery roads considered in APSEZ</p>	on the regional road network.			

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			master plan, seven roads were already developed and functional.				
			APSEZ has been imparting Driver Training Programs to all their contractors to enhance awareness on road safety.	APSEZ can undertake technical feasibility of implementing Intelligent Transport System (ITS) for the freight carriers associated with their development activities.	APSEZ & GSRDC*	Long Term	<p>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:</p> <ul style="list-style-type: none"> ✓ Basic induction Training for drivers ✓ ITV Driver Training ✓ ITV Driver Induction for Supervisor ✓ Defensive Driving for LMV & HMV ✓ 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 <p>Approx. 1140 Participants (On roll and contractual manpower) were benefitted from above trainings in</p>

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							<p>compliance period Apr'25 to Sep'25. The same will be continued in future also.</p> <p>APSEZ has also implemented the Remote traffic management system (RTMS) to manage the traffic movements and capturing the violations to further improve the system.</p> <p>Following steps were taken by APSEZ to reduce the accidents.</p> <ul style="list-style-type: none"> ✓ Handling and escorting of the ODC to ensure the smooth movement on the roads. ✓ 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

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							<p>ensuring road safety rules are being followed by the road users.</p> <ul style="list-style-type: none"> ✓ We 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 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	No-Impact	APSEZ is meeting the	As per the master plan and	APSEZ	As and When Required	Presently there are two fresh water sources available with APSEZ.

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	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 captive desalination plants, which will be developed in progressive manner.		current water demand through Narmada water supply scheme and 47 MLD captive desalination plant at site. Necessary water allocation from concerned authorities was obtained and the same will be renewed from time to time as per the directions of state government.	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 these developmental projects will be less significant.			<p>Desalination Plant – 80 MLD Gujarat Water Infrastructure Limited (GWIL) – 9 MLD (sanctioned capacity).</p> <p>Current water demand for APSEZ along with SEZ industries including Adani Power Plant is an avg. of 39.48 MLD.</p> <p>So presently, these sources are adequate to fulfill the current freshwater requirement of entire APSEZ including member units.</p> <p>The desalination plant of additional capacities will be installed on modular basis considering future requirement of APSEZ.</p>
3.2	Existing	Level-2	Adani	Adani	APSEZ	Long Term	Water needs of APSEZ is being met through existing

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	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 37,000 m ³ /day (@125 lpcd) in future when the area is fully grown into larger municipality due to induced economic growth. Water		Foundation has been contributing to various watershed development projects in the Mundra region to enhance ground water resources in the area. Adani Foundation has contributed about Rs. 300 Lakhs so far for the development of 18 check dams.	Foundation is planning to implement the various water resource conservation programs in next ten years under various schemes.	and CGWB*		<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><u>WORK COMPLETED:</u></p>

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	demand of the local communities is met through Narmada water supply system to some extent, but largely depending on the 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						<p>Water Conservation Work Done during Compliance Period Apr'25 to Sep'25:</p> <ul style="list-style-type: none"> ❖ <u>Water conservation project (till date water conservation work):</u> In recent years, the villages near our operational area have experienced significant enhancements in both the availability and quality of water. These improvements stem from our focused efforts in managing and conserving groundwater and surface water resources. • <u>Key interventions—</u> <ul style="list-style-type: none"> ○ pond deepening, ○ strengthening of check dams, ○ installation of rainwater harvesting systems, borewell drilling, and clearing of river inlets— have together increased water storage capacity. • <u>Till the date (Sep'25)</u> <ul style="list-style-type: none"> ○ 145 Pond Deepening ○ 209 Bore & Wells ○ 355 Rainwater Harvesting ○ 30 Check Dams ○ 25 Percolation Wells ○ Farmers Benefitted - 1760 Storage ○ capacity Increase – 2171435Cum.

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	n due to the economic development, there could be some stress on the ground water resources in future.						<ul style="list-style-type: none"> • Current year (Apr'25 to Sep'25) <ul style="list-style-type: none"> ○ Pond Deepening - 05 Village Pond ○ Check dam Re- strenghtining-01 ○ Farmer - 300 famer Land irrigated - 1800 Acre ○ 8.0% Increase in Revenue ○ 9.00 % TDS Reduction ○ Rs 1200 Reduce in health expenses Monthly ❖ ROOF TOP RAINWATER HARVESTING: <ul style="list-style-type: none"> ○ 355 RRWHS units built across 355 homes, positively impacting more than 1,760 people. ○ TDS level below 100 meeting WHO standards for safe drinking water. ○ First-time rainwater harvesting enabled for the community, ensuring quality drinking water and reducing financial burdens ○ 1760+ Residents benefited ○ 97.73% Less TDS than local municipality water Gundiya - 4410 TDS ○ Rs. 1125 monthly Saved on drinking water ○ Rs. 3000 yearly saved on health expense <p>The Water Conservation Projects completed during FY 2024-25:</p> <ul style="list-style-type: none"> ❖ Adani Foundation has undertaken significant water conservation initiatives to address water scarcity and improve water availability in rural areas. ❖ Through the creation of 737 various water structures, the project has increased water capacity by 5,400,735 cubic meters (CUM) and benefited 64,515 people.

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							<ul style="list-style-type: none"> • Check Dam New/Renovation: <ul style="list-style-type: none"> ○ Structures: 29 ○ Water Capacity Increase: 1,072,332 CUM ○ Beneficiaries: 30,870 ○ Impact: Enhances water storage and irrigation. • Rainwater Harvesting Structures (RRWHS): <ul style="list-style-type: none"> ○ Structures: 330 ○ Water Capacity Increase: 3,300,000 CUM ○ Beneficiaries: 1,650 ○ Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house • Pond Deepening: <ul style="list-style-type: none"> ○ Structures: 135 ○ Water Capacity Increase: 1,028,403 CUM ○ Beneficiaries: 18,350 ○ Impact: Improves water retention and availability. • Construction of Percolation Wells: <ul style="list-style-type: none"> ○ 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: <ul style="list-style-type: none"> ○ Structures: 8 ○ Purpose: Drinking Water

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							<ul style="list-style-type: none"> Beneficiaries: 9,600 Impact: Provides reliable drinking water sources <p>With the objective of to preserve the rainwater to reduce the impact of salinity and recharge the ground water (the main source of water) to facilitate the Agricultural activities as well as for drinking water.</p> <p>Adani foundation has spent approx. INR 10446.78 lakhs from April – 2018 to Sep - 2025 for CSR activities which also includes water conservation projects as mentioned above.</p>
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 project is fully developed.	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 development and sewage is not discharged	APSEZ is permitted to develop decentralized sewage treatment plants of total 62 MLD capacities. Existing sewage treatment facilities will be augmented progressively based on the development at APSEZ in future. Similar to	APSEZ	As and When Required	<p>Current 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 industrial member units.</p> <p>Out of 61 only 4 operational industries within the SEZ are sending their partially treated industrial as well as domestic effluent to the CETP conforming 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 on land for horticulture purpose within their premises as per specific permission granted by SPCB.</p> <p>APSEZ also granted permission to treat 2.5 MLD of</p>

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			into either seasonal natural streams or marine environment.	existing practices, treated sewage will be utilized for greenbelt development.			<p>sewage generated from Mundra village through CETP and STP.</p> <p>Presently avg. 2.57 MLD of wastewater (into ETP, STPs & CETP) is treated and being utilized on land for horticulture purpose within APSEZ premises during Apr'25 to Sep'25. Existing wastewater treatment plants are adequate to treat and handle the total effluent / sewage load considering current development.</p> <p>Existing wastewater treatment facilities will be augmented, or new plants will be developed on modular basis considering future requirement.</p>
4	Air quality management Plan						
4.1	Although all the regulated activities in the study area will be adopting promulgated emission norms, total air emission mass discharge	Level-2	APSEZ and other thermal power plants have obtained valid consent to operate and have been operating the facilities as per the	All existing and new industrial establishments will obtain requisite consents from GPCB and adhere to the stipulated emission norms regulations and guidelines issued by authorities from time to	APSEZ And Other Industries	Continual Process	<p>APSEZ has been granted requisite permissions from the concerned authorities with stipulated norms for air emission (flue gas as well as ambient air).</p> <p>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 regular basis. Reports of the same are being submitted to the concerned authorities on regular basis.</p> <p>Adani power plant has installed continuous emission</p>

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	from the study area would increase.		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 basis. Both the thermal power plants located	time.			<p>and air quality monitoring instruments as per CPCB Directive and submitting the reports also. Another power plant of CGPL is outside APSEZ area.</p> <p>The AAQM summary for last six months (Apr'25 to Sep'25) are as below.</p> <p>Locations: 21 Nos. (APSEZ – 18 + APL – 3 including 3 villages) Frequency: Twice in a week</p> <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>36.45</td><td>88.67</td><td>62.55</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>9.85</td><td>40.51</td><td>23.03</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>6.88</td><td>35.89</td><td>18.98</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>8.39</td><td>39.84</td><td>22.91</td><td>80</td></tr></table> <p>⁵ as per NAAQ standards, 2009 Values recorded confirms to the stipulated standards.</p> <p>Approx. INR 8.73 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26 till Sep'25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p> <p>Other industries located within the SEZ have obtained requisite permissions from the competent authorities for their respective plant and they also carried out</p>	Parameter	Unit	Min	Max	Average	Perm. Limit ⁵	PM ₁₀	µg/m ³	36.45	88.67	62.55	100	PM _{2.5}	µg/m ³	9.85	40.51	23.03	60	SO ₂	µg/m ³	6.88	35.89	18.98	80	NO ₂	µg/m ³	8.39	39.84	22.91	80
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			within the study area have installed continuous emission and air quality monitoring instruments as per CPCB directive.				<p>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 August & September, 2025 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.</p> <p>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.</p>
				A common air quality management committee may be framed under the guidance of the State Pollution Control Board and district administration to manage regional	APSEZ and Other Industries, Stakeholders, District Administration and GPCB*	Long Term And Continual	<p>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:</p> <ul style="list-style-type: none"> • Identification of sources of air & noise emission and its dispersion in surrounding villages • Remedial measures to eliminate, control, reduce or capture air & noise emission.

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				level emission inventory data that can help to manage regional level air quality management goals.			<ul style="list-style-type: none"> 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 fresh water sources in surrounding villages Identify any surrounding villages affected by organization's improper waste disposal mechanism. <p>Last committee meeting was conducted on dated 10.10.2025 and below was the point of discussion for way forward.</p> <ul style="list-style-type: none"> Brief introduction about the Environment Management Plan (EMP) All members conveyed his 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. Discussed about the management of rain water & proper cleaning of the common storm water drainage system.

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							<ul style="list-style-type: none"> Discussed about proper segregation & disposal of solid waste material. Discussed about to increase more green belt area inside plant premises of SEZ units. <p>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.</p>
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 background air. This could pose	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: Entire bulk material handling	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	<p>Following safeguard measures are taken by APSEZ for abatement of dust emissions.</p> <ul style="list-style-type: none"> Adequate stack heights to the Boilers, D.G. Sets, TFHs & HWGs for proper dispersion of pollutants within APSEZ Using of liquid & Gaseous fuels instead of solid fuels in Boilers, Thermic fluid heaters and hot water generators. Regular sprinkling on road and other open area 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 Regular sprinkling on coal heaps Covering other types of dry bulk cargo heaps Installation of wind breaking wall

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	some health impacts such as asthma and COPD etc. among the local communities.		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,				<ul style="list-style-type: none">Development of greenbelt along the periphery of the storage yards/back up areaMechanized handling system for coal and other dry bulk cargoWagon loading and truck loading through closed siloOptimized the weigh bridge location to reduce the movement of trucks. <p>Adequate air pollution control measures like ESPs, FGDs, Bag Filters, etc. and adequate stack heights provisions are implemented within the thermal power plant.</p> <p>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 during the EC Compliance report submission for the period Oct'24 to Mar'25.</p> <p>The stack monitoring summary for last six months (Apr'25 to Sep'25) are as below.</p> <p>Total Nos. of Stacks: 23 Nos. Frequency: Monthly / Half Yearly</p> <table><tr><th>Parameter</th><th>Unit</th><th>GPCB Limit</th><th>Min</th><th>Max</th><th>Avrg.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Parameter	Unit	GPCB Limit	Min	Max	Avrg.						
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							<table><tr><td>PM</td><td>mg/ Nm³</td><td>150</td><td>16.95</td><td>29.94</td><td>21.08</td></tr><tr><td>SO₂</td><td>Ppm</td><td>100</td><td>6.04</td><td>16.77</td><td>8.80</td></tr><tr><td>NO_x</td><td>ppm</td><td>50</td><td>15.38</td><td>31.27</td><td>22.29</td></tr></table> <p>Values recorded confirms to the stipulated standards.</p> <p>Approx. INR 8.73 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26 till Sep'25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p> <p>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.</p>	PM	mg/ Nm ³	150	16.95	29.94	21.08	SO ₂	Ppm	100	6.04	16.77	8.80	NO _x	ppm	50	15.38	31.27	22.29
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			covering of other types of dry bulk cargo heaps by protective materials, installation of wind breaking wall, development	An internal Coal Dust Management Working Group shall be formed by APSEZ to effectively co-ordinate the	APSEZ and Other Industries, Concerned Stake holders, District Administration*	Long Term	<p>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.</p> <p>The dry cargo is being handled by mechanized system and transported by covered conveyer system, trucks and rail wagons.</p> <p>Wind breaking wall is provided around the coal storage yards of APSEZ as well as Adani Power Plant.</p> <p>Adequate air pollution control measures like ESPs,</p>																		

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			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 boilers and are meeting the emission	approach to coal dust management and monitoring			<p>FGDs, Bag Filters, etc. and adequate stack heights provisions within the thermal power plant for proper dispersion of pollutants.</p> <p>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.</p> <p>Last committee meeting was conducted on dated 10.10.2025 and below were the points of discussion for way forward.</p> <ul style="list-style-type: none"> • Brief introduction about the Environment Management Plan (EMP) • All members conveyed his 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. • Discussed about the management of rain water & proper cleaning of the common storm water drainage system. • Discussed about proper segregation & disposal of solid waste material.

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			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.				<ul style="list-style-type: none"> Discussed about to increase more 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.
4.3	Ships are one of the significant sources of SO ₂ and NO _x emissions in the study	Level-2	A Standard Operating Procedure (SOP) has	The current global limit for Sulphur content of ships fuel oil is 3.5 % m/m (mass by mass). According to	APSEZ and Ship Owners	Long Term	<p>The ships coming to the APSEZ is complying with MARPOL and other shipping rules and regulations.</p> <p>APSEZ has already started providing shore power supply to the tugs (11 Nos.), dredgers (2 Nos.) and 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.</p>

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	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 less than 14.4 gram/Kwhr		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.	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.			

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	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.						
				Due to implementation of Bharat VI fuels (MoEF&CC) in			Presently, cargo evacuation through rail / conveyer / pipeline is ~48.75 % of overall cargo evacuation. Vehicles having valid PUC certificate are only being

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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	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	<p>allowed to enter within the APSEZ area.</p> <p>APSEZ, has procured 217 nos. of Electrical Vehicle for internal cargo movement and all E-ITV's are in operation.</p> <p>As well as procured 10 nos. LMV E-Vehicles for manpower movement and all are in operation.</p> <p>Electrification of Rail Corridor from Dhrub Railway Station to Adipur Railway Station has completed and movement started by electric locomotive. It will leads to reduce the gaseous emission and increase efficiency of transportation by rail.</p>
5	Noise emissions						
	Noise emissions are envisaged		Due to adoption of various mechanized operations at the	APSEZ, all the tenant industries and facilities within APSEZ are required to undertake noise			<p>Below Safeguard measures are already taken for abatement of noise emissions.</p> <ul style="list-style-type: none"> • Development of greenbelt along the periphery of the operational area. • D.G. Sets having Acoustic enclosures. • Maintenance of plant machineries and

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5.1	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 (USEPA)7.	Level-1	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 facility. Periodic noise level monitoring programs were adopted by APSEZ.	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 grievances related to noise issues due to operation of APSEZ facilities.	APSEZ	Continual Process	<p>equipment's on regular frequency.</p> <p>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.</p> <p>The noise monitoring summary for last six months (Apr'25 to Sep'25) are as below.</p> <p>Locations: 18 Nos. Frequency: Once in a month (24 hourly)</p> <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>51.40</td><td>69.90</td><td>64.01</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>44.30</td><td>64.90</td><td>58.45</td><td>70</td></tr></table> <p>[§] as per GPCB standards</p> <p>Approx. INR 8.73 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26 till Sep'25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p>	Noise	Unit	Leq Min	Leq Max	Leq Avr.	Leq Perm. Limit [§]	Day Time	dB(A)	51.40	69.90	64.01	75	Night Time	dB(A)	44.30	64.90	58.45	70
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			Predicted noise levels were found to be well within the designated noise standards for Industrial facilities.				<p>All the results are well within the standards. From this it can be inferred that there are no impacts on the surrounding community.</p> <p>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 a regular basis.</p> <p>Further, till date APSEZ has not received any grievances/notice for noise issues from any of the stakeholders.</p>
				In order to address the public grievances related to noise from the facility, an internal Noise Management Committee can be formed by APSEZ to investigate the root cause and to develop and implement noise mitigation plans	APSEZ	Continual Process	<p>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.</p> <p>Last committee meeting was conducted on dated 10.10.2025 and below were the points of discussion for way forward.</p> <ul style="list-style-type: none"> Brief introduction about the Environment Management Plan (EMP) All members conveyed their environment management practices, issues & suggestions. Discussed about the various ways to improve existing practice to control the emission in terms of Air, Water and Noise.

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				in the specific zones.			<ul style="list-style-type: none"> Discussed about the proper management of the canteen waste. Discussed about the cleaning of outside of the SEZ units. Discussed about the management of rain water & proper cleaning of the common storm water drainage system. Discussed about proper segregation & disposal of solid waste material. Discussed about to increase more 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. <p>No grievance received for noise related issues, and it is observed that ambient noise level are well within the permissible standards.</p>
6	Surface water quality (Terrestrial and Marine)						
6.1	In general, release of untreated wastewater from industrial facilities would pose threat to	Level -1	As per the master plan of APSEZ, 67 MLD of wastewater is expected to be generated from the fully developed	As per the master plan of APSEZ, the existing CETP shall be augmented to 67 MLD in progressive manner based on the future demand. The	APSEZ	As and When Required	<p>APSEZ has installed Common Effluent Treatment Plant (CETP) having 2.5 MLD capacities for treatment of partially treated effluent and sewage generated from industries within SEZ.</p> <p>Currently, CETP receives 1051.10KLD (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.</p>

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	water quality of streams, estuaries and marine water bodies.		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 their effluents to meet the CETP inlet norms and then send it to CETP. Treated	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.			<p>Out of 61 operational units only 4 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.</p> <p>The capacities of CETP will be enhanced on modular basis as per future requirement.</p> <p>Presently avg. 2.57 MLD (from CETP, ETP & STPs) of treated water is being utilized on land for horticulture purpose within APSEZ premises during period Apr'25 to Sep'25 and no discharge is made to any other source.</p>

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			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 treated effluent meets the requisite discharge norms. No wastewater from CETP is	Efforts shall be made to recycle complete treated wastewater for port operations and industrial operations of APSEZ in future based on a detailed techno-economic feasibility study.	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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			discharged into natural bodies as on date..																												
			Runoff during monsoon from coal storage yards is collected in sedimentation ponds (dump pond) to remove any residual dust particulates for further disposal into sea	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. All red and hazard category industry within APSEZ shall adopt spill prevention and control program and no effluents	APSEZ	Continual	<p>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.</p> <p>Presently Marine monitoring is being carried out once in 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.</p> <p>The marine water quality monitoring summary for last six months (Apr'25 to Sep'25) is as per below.</p> <p>Locations: 14 Nos. (APSEZ – 9 + APL – 5) Frequency: Once in a Month / Half Yearly</p> <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>7.90</td><td>8.28</td><td>8.09</td><td>7.80</td><td>8.40</td><td>8.05</td></tr> </tbody> </table>	TEST PARAMETERS	UNIT	Cumulative Surface			Cumulative Bottom					Min	Max	Average	Min	Max	Average	pH	--	7.90	8.28	8.09	7.80	8.40	8.05
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				shall be discharged into storm water-drains.			<table border="1"> <tr> <td>BOD</td><td>mg/L</td><td>2.40</td><td>3.50</td><td>3.06</td><td>BDL (MDL:1.0)</td><td>3.30</td><td>1.50</td></tr> <tr> <td>TSS</td><td>mg/L</td><td>56.00</td><td>164.00</td><td>104.47</td><td>56.00</td><td>132.00</td><td>93.60</td></tr> <tr> <td>DO</td><td>mg/L</td><td>6.30</td><td>7.04</td><td>6.56</td><td>5.90</td><td>6.83</td><td>6.36</td></tr> <tr> <td>Salinity</td><td>ppt</td><td>35.71</td><td>36.80</td><td>36.38</td><td>36.62</td><td>37.45</td><td>36.95</td></tr> <tr> <td>TDS</td><td>mg/L</td><td>35140</td><td>36640</td><td>35726</td><td>35996</td><td>37250</td><td>36517</td></tr> <tr> <td>Temperature</td><td>oC</td><td>28.10</td><td>30.00</td><td>29.00</td><td>26.60</td><td>29.90</td><td>28.79</td></tr> </table> <p>BDL- Below Detection Limit MDL- Minimum Detection Limit</p> <p>Approx. INR 8.73 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26 till Sep'25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p>	BOD	mg/L	2.40	3.50	3.06	BDL (MDL:1.0)	3.30	1.50	TSS	mg/L	56.00	164.00	104.47	56.00	132.00	93.60	DO	mg/L	6.30	7.04	6.56	5.90	6.83	6.36	Salinity	ppt	35.71	36.80	36.38	36.62	37.45	36.95	TDS	mg/L	35140	36640	35726	35996	37250	36517	Temperature	oC	28.10	30.00	29.00	26.60	29.90	28.79
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			Detailed marine hydrodynamic modelling studies revealed that the current and proposed	Good dredging practices shall be adopted by APSEZ: (i).Improving the dredging accuracy (ii).Improving onboard	APSEZ	Long Term	<p>No capital dredging has been done, since Apr 2015 to Aug 2024.</p> <p>Total 3.07 MCuM Capital dredging or reclamation is carried out since Oct'24 to Sep'25 for Expansion of Waterfront Development Plan. Out of which 1.52 MCuM is carried out during the compliance period Apr'25 to Sep'25.</p>																																																

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			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 program, APSEZ has been adopting marine water and sediment	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 sensitive zones shall not exceed 100 NTU or 200 mg/l of TSS (10% lethal level of fish) Existing marine			<p>Dredged material generated during maintenance dredging is being disposed at designated locations within deep sea as identified by NIO.</p> <p>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.</p> <p>Marine monitoring is being carried out once in 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. Summary of marine water for the last six months is as mentioned above.</p> <p>The same practice will be continued in future also as per direction by MoEF&CC as well as GPCB.</p> <p>Monitoring will be focused near ecological sensitive area in case of need to carryout capital dragging near such areas.</p>

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			quality monitoring on monthly basis.	monitoring program shall be continued as per the directions of MoEF&CC and GPCB.			
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 and population growth, use of ground water resources by the local	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 47 MLD captive desalination plant at site.	A dedicated desalination plant of capacity 4,50,000 m3/day (450 MLD) will be developed in progressive manner to meet the APSEZ requirements.	APSEZ	As and When Required	<p>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.</p> <p>APSEZ does not draw any ground water.</p> <p>"Desalination plant of 47 MLD capacities already developed as part of earlier clearances granted in 2009. Additional development of 33 MLD capacity Desalination plant has been developed.</p> <p>At present total 80 MLD desalination plant developed & in operation under WFDP west port (GPCB ID – 35427) with utilization of existing intake and outfall channel (up to 300 MLD capacities) and CC&A Amendment for the same granted by GPCB board CC&A Amendment order copy for the same was submitted during the compliance submission for the period Oct'24 to Mar'25..</p>

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	people might increase in Mundra region. This might increase the TDS and chloride levels in the ground water in future.						<p>Additional development of 80 MLD desalination plant is under progress through Mundra Petrochemical Ltd. (Subsidiary company of Adani Group). Separate Consent to Establish from GPCB has been obtained by them vide Order no. CTE-77914 dated 09.12.2024. Copy of the same was submitted during the compliance submission for the period Oct'24 to Mar'25..</p> <p>Balance 287 MLD capacity desalination plant will be developed on a modular basis as per business requirement.</p>
7.2	Due to induced growth in the region, pressure on the available ground water source would increase and this could pose some threat	Level-2	Ground water is not drawn by APSEZ for its operations. Natural streams (seasonal rivers) passing through the APSEZ area will not be disturbed, the micro-	The Govt. of Gujarat, Narmada, Water Resources, Water Supply & Kalpsar Dept.,(WRD)12 has been implementing various salinity ingress prevention projects	District Administration*	Long Term	<p>APSEZ will co-operate and comply with the directions from concerned regulatory authorities.</p> <p>APSEZ does not draw any ground water for the fresh water requirement.</p> <p>However, Adani Foundation – CSR arm of Adani Group has carried out rainwater harvesting activities in the nearby villages for benefit of the locals.</p> <p>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.</p>

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	to salinity ingress.		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 fresh water to medium salinity zones. It can be observed that little variation was observed in the ground water salinity levels				<p>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.</p> <p>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.</p> <p><u>WORK COMPLETED:Water Conservation Work Done during Compliance Period Apr'25 to Sep'25:</u></p> <ul style="list-style-type: none"> ❖ <u>Water conservation project (till date water conservation work):</u> In recent years, the villages near our operational area have experienced significant enhancements in both the availability and quality of water. These improvements stem from our focused efforts in managing and conserving groundwater and surface water resources. • <u>Key interventions—</u> <ul style="list-style-type: none"> ○ pond deepening, ○ strengthening of check dams, ○ installation of rainwater harvesting systems, borewell drilling, and clearing of river inlets—

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			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 power plant outfalls are less significant.				<p>have together increased water storage capacity.</p> <ul style="list-style-type: none"> • <u>Till the date (Sep'25)</u> <ul style="list-style-type: none"> ○ 145 Pond Deepening ○ 209 Bore & Wells ○ 355 Rainwater Harvesting ○ 30 Check Dams ○ 25 Percolation Wells ○ Farmers Benefitted - 1760 Storage ○ capacity Increase – 2171435Cum. • <u>Current year (Apr'25 to Sep'25)</u> <ul style="list-style-type: none"> ○ Pond Deepening - 05 Village Pond ○ Check dam Re- strenghtining-01 ○ Farmer - 300 famer Land irrigated - 1800 Acre ○ 8.0% Increase in Revenue ○ 9.00 % TDS Reduction ○ Rs 1200 Reduce in health expenses Monthly ❖ <u>ROOF TOP RAINWATER HARVESTING:</u> <ul style="list-style-type: none"> ○ 355 RRWHS units built across 355 homes, positively impacting more than 1,760 people. ○ TDS level below 100 meeting WHO standards for safe drinking water. ○ First-time rainwater harvesting enabled for the community, ensuring quality drinking water and reducing financial burdens

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							<ul style="list-style-type: none"> ○ 1760+ Residents benefited ○ 97.73% Less TDS than local municipality water Gundiya – 4410 TDS ○ Rs. 1125 monthly Saved on drinking water ○ Rs. 3000 yearly saved on health expense <ul style="list-style-type: none"> ❖ The Water Conservation Projects completed during FY 2024-25: Adani Foundation has undertaken significant water conservation initiatives to address water scarcity and improve water availability in rural areas. ❖ Through the creation of 737 various water structures, the project has increased water capacity by 5,400,735 cubic meters (CUM) and benefited 64,515 people. <ul style="list-style-type: none"> ● Check Dam New/Renovation: <ul style="list-style-type: none"> ○ Structures: 29 ○ Water Capacity Increase: 1,072,332 CUM ○ Beneficiaries: 30,870 ○ Impact: Enhances water storage and irrigation. ● Rainwater Harvesting Structures (RRWHS): <ul style="list-style-type: none"> ○ Structures: 330 ○ Water Capacity Increase: 3,300,000 CUM ○ Beneficiaries: 1,650 ○ Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ● Pond Deepening: <ul style="list-style-type: none"> ○ Structures: 135

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							<ul style="list-style-type: none"> Water Capacity Increase: 1,028,403 CUM Beneficiaries: 18,350 Impact: Improves water retention and availability. Construction of Percolation Wells: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Structures: 8 Purpose: Drinking Water Beneficiaries: 9,600 Impact: Provides reliable drinking water sources <p>With the objective of to preserve the rainwater to reduce the impact of salinity and recharge the ground water (the main source of water) to facilitate the Agricultural activities as well as for drinking water.</p> <p>Narmada Water Resources, Water Supply & Kalpsar</p>

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							Dept., (WRD)1 has been implementing various salinity 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 be benefitted 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	All Concerned Stakeholders, District Administration and CGWB*	Continual Process	<p>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.</p> <p>The summary of APSEZ ground water quality monitoring for last six months (Apr'25 to Sep'25) are as below.</p> <p>Nos. of Location: 09</p> <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>7.38</td><td>8.36</td><td>7.81</td></tr><tr><td>Salinity</td><td>ppt</td><td>1.40</td><td>20.58</td><td>6.09</td></tr><tr><td>Oil & Grease</td><td>mg/L</td><td>BDL(MD L:2.0)</td><td>BDL(MD L:2.0)</td><td>BDL(MDL: 2.0)</td></tr></table>	Parameters	Unit	Min	Max	Average	pH @ 25 ° C	--	7.38	8.36	7.81	Salinity	ppt	1.40	20.58	6.09	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MDL: 2.0)
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				regional level ground water conservation action committee can be formed under the guidance of state ground water board and district Administration.			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)
							Nickel as Ni	mg/L	0.07	0.12	0.041
							Total Chromium as Cr	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)
							Cadmium as Cd	mg/L	0.08	0.08	0.0093
							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)	BDL(MDL:0.05)	BDL(MDL:0.05)
							Copper as Cu	mg/L	0.06	0.10	0.060
							Iron as Fe	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)
							Insecticides/Pesticides	µg/L	Absent	Absent	Absent
							Depth of Water Level from Ground Level	meter	1.90	2.10	2.01
<p>BDL – Below Detection Limit MDL – Minimum Detection Limit</p> <p>Approx. INR 8.73 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2025-26 till Sep'25, which also includes ambient air</p>											

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							<p>quality monitoring for overall APSEZ, Mundra.</p> <p>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 the permissions granted by competent authorities.</p> <p>As mentioned above, presently, 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.</p> <p>APSEZ will co-operate and comply with the directions from concerned regulatory authorities for ground water management.</p>
8	Waste Management						
8.1	Solid waste will be generated from industrial activities of APSEZ and other permitted facilities in the study area	Level-2	APSEZ has been adopting Zero waste Initiatives and the entire waste generated from existing operations is segregated and disposed	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.	APSEZ	Continual Process	<p>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</p>

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	including Mundra town. These wastes would 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		to recycling vendors, thereby APSEZ has achieved zero landfill status as on date.	This initiative helps not only to reduce the waste to landfill significantly, but also to recycle the materials there by avoiding ecological impacts.			<p>is being done for sorting of 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 for Co-processing as RDF (Refused Derived Fuel). The same practice will be continued in future also. APSEZ has also been recognized for Zero Waste to Landfill certification from reputed organization.</p> <p>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 during the compliance submission for the period Oct'24 to Mar'25..</p> <p>APSEZ is being done proper solid waste management in his operational area with 5R principle as per Waste Management Plan.</p>

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	wastes will enter into environment and would pose long 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 being 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	APSEZ	Continual Process	

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				Waste Management Rules 2016			
8.3	About 35 TPD (13,000 TPA) of solid waste would be generated from the proposed industrial areas located outside the APSEZ area.	Level-2	As per the 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.	Solid Waste Management 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)						
			It is noted	APSEZ has approached concerned			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,

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9.1	About 1576 ha of shrub forest land 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	that the designated forest land is free from any 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	authorities for diversion of designated forest land. 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	APSEZ/State Forest Department*	Long Term	<p>Stage-2 Forest clearance will be obtained.</p> <p>APSEZ has applied for getting EC & CRZ clearance for SEZ / Industrial Park in 1576.81 Ha Forest land.</p> <p>ToR accorded by MoEF&CC on 30.11.2021 and draft EIA is being carried out through NABET accredited consultant.</p> <p>Public Hearing (PH) has been conducted by RO-GPCB, Gandhidham dated 27.03.2025. PH proceeding submitted to MoEF&CC, Delhi on 16.04.2025.</p> <p>GCZMA Meeting was held on 30.09.2025 and as per MoM received, project proposal has been recommended for CRZ clearance. Awaiting for final CRZ recommendation letter from GCZMA.</p> <p>APSEZ has applied for getting final EC & CRZ Clearance for development of 1576.81 Ha SEZ/IP @ Mundra vide dated 04.11.2025, which is under scrutiny.</p>

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			<p>forest land parcel due to lack of economic importance of plant species reported in the shrub forest.</p> <p>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.</p>	<p>development, the overall biodiversity of the region will increase considerably when the project is fully developed.</p>			
			No				As a part of the directions given by MoEF&CC vide

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9.2	Mangrove conservation areas are located adjacent to the APSEZ area. Accidental discharges of industrial effluents into the marine environment would pose certain ecological risk.	Level -1	development activities will be undertaken 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	Mangrove footprint and health status shall be monitored annually	APSEZ	Continual Process	<p>order dated 18th Sep, 2015, following studies were conducted.</p> <ol style="list-style-type: none"> 1. NCSCM (MoEF&CC promoted Government Agency) study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ. <p>As a part of mangrove conservation plan, APSEZ has done following activities.</p> <ol style="list-style-type: none"> 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. <ul style="list-style-type: none"> • 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

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			Foundation introduced 'Mangrove Nursery Development and Plantation' scheme in the area as an alternative income generating activity for the people of the region.				<p>2021 and September 2023.</p> <ul style="list-style-type: none"> 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. 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 is attached as Annexure - 1. <p>c. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ.</p> <p>d. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report was submitted during the compliance submission for the period Oct'24 to Mar'25.</p> <p>e. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.</p>

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							<p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities.</p> <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><ul style="list-style-type: none">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.<ul style="list-style-type: none">The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was</td></tr></table>	Sr. No.	Recommendations	Compliance	1.	Mangrove mapping and monitoring in and around APSEZ	<ul style="list-style-type: none">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.<ul style="list-style-type: none">The distribution of mangroves in Kotdi, Baradimata, Navinal, Bocha, and Khari Creeks, as well as on Bocha Island, was
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							2.	Tidal observation in creeks in and around APSEZ	<ul style="list-style-type: none"> 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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									<p>ranges, adequate for the growth of mangroves.</p> <ul style="list-style-type: none"> The cost of the said activity was INR 1.0 Lacs.
							3.	Removal of Algal and Prosopis growth from mangrove areas	<ul style="list-style-type: none"> 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 Rs. 1,50,000 during FY 2024-25. The algal removal report was submitted during the compliance period Oct'24 to Mar'25.
							4.	Awareness of mangroves importance in surrounding communities	<ul style="list-style-type: none"> 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 36 Villages. Dry Fodder 8,65,965 Kg Green – 30,75,945 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting

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									<p>activities was approx. 236.66 Lacs during FY 2025-26 till Sep'25, which was incurred by APSEZ.</p> <ul style="list-style-type: none"> • 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 during the compliance period Apr'24 to Sep'24.

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									Refer CSR report attached as Annexure – 2.			
9.3	Outfall from the thermal power plants desalination and CETP would pose certain level of impact on the marine environment.	Level-1	A detailed marine hydro-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	All approved marine outfalls 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	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 authorities on regular basis. APSEZ is carrying out Marine monitoring once in 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.					
							Parameter	Unit	Max		Min	
									CIA	Present	CIA	Present
							Temp.	°C	36.40	37	35.20	36.7
							Salinity	ppt	29.50	28.5	29.0	27.9

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			power plants in the study area have been monitoring the marine water quality status on monthly basis for the stipulated environmental and ecological parameters.				<table><tr><td></td><td></td><td></td><td></td><td>0</td><td></td></tr></table> <p>As per above results, it can be seen that there is no deviation in the concentration of parameters and thus indicates that impacts are insignificant.</p>					0	
				0									
9.4	Terrestrial Ecology: Study area doesn't have any notified national parks or ecological sanctuaries. Since the area falls	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.	The compensatory afforestation area to be monitored annually to check the survival rate of the plantation.	APSEZ	Continual Process	<p>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.</p> <p>Dedicated horticulture department is maintaining and monitoring the terrestrial green belt development on regular basis to check the survival rate of plantation.</p> <p>Budget for Horticulture Department for the FY 2025-26 is to the tune of INR 655 lakh. Out of which, Approx.</p>						

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	under dry deciduous shrubs. Due to scanty rains in the area, the overall natural green-cover/vegetation in the area is very small.		APSEZ have undertaken a plantation with about 9.6 Lakh fully grown trees.				INR 175 lakh has spent during the year FY 2025-26 till Sep'25.
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	Level-1	Dedicated townships are developed within APSEZ area with necessary community infrastructures such as hospital, school, recreational facilities, sewage	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 two townships (Shantivan and Samudra) accommodating 2378 households and associated infrastructure facilities. Accommodation is made available for all interested employees working within Adani group & SEZ industries. Out of which 82.30 % 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

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	possible due to induced economic growth in the region. Increase in population will have a additional need for public infrastructure in the region.		treatment and waste collection facilities. 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				<p>infrastructure facilities and requirements. Most of the employees working in SEZ industries are residing in Mundra township having all basic requirements and associated facilities.</p> <p>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.</p> <ul style="list-style-type: none"> • Multi-Specialty Hospital • School • Commercial complex • Religious place <p>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.</p> <ul style="list-style-type: none"> • Community Health • Sustainability Livelihood – Fisher Folk • Education • Rural Infrastructures • Skill Development

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			programs (based on need based assessment) will be continued in future as well with allocation of appropriate budget.				<p>Adani foundation has spent approx. INR 10446.78 lakhs from April – 2018 to September - 2025 for CSR activities which also includes cost of rural infrastructure projects.</p> <p>Major works carried out since April 2018 as a part of CSR activities are as below.</p> <p><u>Infrastructure development activities during FY 2025-26 till Sep'25:</u></p> <ul style="list-style-type: none"> • 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. • Check dam strengthening: 02 Nos. • Restrengthening of Approach Road: 24 Km <p><u>LAST YEAR COMMUNITY INFRASTRUCTURE DEVELOPMENT PROJECTS & ITS BENEFICIARIES</u></p> <ul style="list-style-type: none"> • Renovation of Anganwadi, Goyarsama Village – 40 beneficiaries • Construction of Pipe Culvert, Old Bandar Fisherman Vasahat - 1200 beneficiaries • Open Shed & Community Hall, Sukhpurvah Mundra – 1200 beneficiaries • Open Shed at PTC College, Mundra – 160 beneficiaries

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							<ul style="list-style-type: none"> • Renovation of High School, Zarapra Village – 550 beneficiaries • Open Shed at Mokha Parking – 2000 beneficiaries • Canal Cleaning & Chamber Renovation, Bhadreswar Village – 120 beneficiaries • Renovation of Approach Road, Shekadiya and Luni – 1200 beneficiaries • R.O. Plant Installation, ITI Mundra & Sanjivni School – 800 beneficiaries • Paver Block Floor Work, Wandri Village – 2000 beneficiaries <p>❖ COMMUNITY INFRASTRUCTURE DEVELOPMENT</p> <p>KEY COMMUNITY INFRASTRUCTURE DEVELOPMENTS:</p> <ul style="list-style-type: none"> ○ Educational Facility Renovations ○ High School, Zarapra: 550 students benefited. ○ Aanganwadi, Goyarsama: 40 students benefited. ○ 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.

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							<ul style="list-style-type: none"> ○ Approach Road, Shekadiya & Luni: 1200 people benefited. ○ 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. <p>Similar community development programs (based on need based assessment) will be continued in future as well with allocation of appropriate budget.</p>
10.2	The overall sex ratio was found to reduce by 28% in the Mundra taluk (study area)	Level-2	Adani foundation is taking up several girl child	Suitable regional level awareness programs on the girl child protection and encouragement programs in line	APSEZ, Other development projects and District Administration*	Long Term	<ul style="list-style-type: none"> ● 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

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	during the period 2001 - 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.		education programs as part of CSR activities to create awareness about girl child protection.	with state and national policies shall be adopted under Corporate Social Responsibility programs in association with district authorities.			<p>to female candidates and 80% to male candidates.".</p> <p>Student Benefitted Under Utthan Project during the FY 2025-26 till Sep'25:</p> <p>Strengthening Government Primary Schools: Adopting and upgrading government 81 nos. of primary schools & High school to model schools.</p> <p>Main streaming Progressive learners:</p> <ul style="list-style-type: none"> • 2776 students of classes 4 & 5 were assessed. • 1151 students emerged as progressive learners • Personalized learning through different activities and TLM • 220 students mainstreamed. <p>Library Activity:</p> <ul style="list-style-type: none"> • Library books issues & Activities planned every Saturday. • 45000+ Books issued. • 300+ Oasis workshop arranged to increase reading habits of students. <p>IT on wheels:</p> <ul style="list-style-type: none"> • 1187 primary & 1448 high school students are learning basic computer skills. • Students gain essential computer skills, enhancing their digital literacy and preparing

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							<p>them for future academic and career opportunities.</p> <p>Mothers Meet:</p> <ul style="list-style-type: none"> Mothers' meetings conducted every second Saturday in Utthan schools. Over 95,00 mothers have joined. Guidance on exams, scholarships, and healthy eating. Home visits and discussions on academic performance. <p>Competitive Exam:</p> <ul style="list-style-type: none"> 1050 passed and 21 students made it to the merit list. 2726 students are preparing for exams like JNV, NMMS, PSE, and CET. Meetings with 560 high school parents to encourage their support. <p>Gunotsav Primary School Performance:</p> <ul style="list-style-type: none"> Gunotsav Results: Gunotsav grades are assessment by GoG as part of its statewide initiative to assess and enhance the quality of education in government schools. 4 High Schools Achieved 100% Pass Rate in Results All Utthan-supported schools showed a marked rise in Gunotsav grades, with many moving up to

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							<p>A & B categories—reflecting the positive impact of targeted academic and co-curricular interventions.</p> <p>Abacus & Vedic Maths:</p> <ul style="list-style-type: none"> Utthan initiative has introduced Abacus and Vedic Mathematics in 54 primary and 08 high schools. Abacus is a tool used for performing arithmetic calculations, while Vedic Mathematics is an ancient system of Indian mathematics that simplifies complex calculations. Total 1800 nos. of Abacus and 1302 nos. of Vedic math's Students are benefited. <p>Project Udaan:</p> <ul style="list-style-type: none"> Adani Foundation's Project Udaan empowers youth through immersive educational tours to key Adani Group facilities, offering real-world exposure beyond the classroom. Students gain firsthand insights into industries like ports, power, and refineries, sparking curiosity and ambition for future careers. The initiative nurtures entrepreneurial thinking, leadership qualities, and a vision for innovation among school and college students. Faculty participation strengthens academic-industry linkages, enriching the learning ecosystem.

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							<ul style="list-style-type: none"> Project Udaan has become a catalyst for inspiring young minds to dream big and pursue meaningful, future-ready paths. Total 229 institute visit & 05 corporate visit done with 16380 students <p>About INR 10446.78 lakhs has been spent on various CSR activities in the Mundra region since April 2018 to till September 2025 including cost of community health and education for woman and girl child.</p>
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	<p>Adani hospitals (Multi-specialty), Mundra is having 100 bed facility and same is setup by Adani group near Samudra township.</p> <p>Primary health center and community health center are in place within the Mundra taluka.</p> <p>Other than this Adani foundation is doing various activities as part of community health. The details of FY 2025-26 till Sep'25 are below.</p> <ul style="list-style-type: none"> Students Health Screening Camp Beneficiary: 1093 Nos. Cataract Camp Beneficiary: 67 Nos. MHCU - Labour Colony v: 591 Nos. Health Awareness Session Beneficiary: 711 Nos. Specialty Health Camp Beneficiary: 1882 Nos. General Health Camp Beneficiary: 958 Nos. Rural Clinic Beneficiary: 6123 Nos. Mobile Van Beneficiary: 6719 Nos.

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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.				<ul style="list-style-type: none"> Medical & Dialysis Supports Beneficiary: 995 Nos. <p>❖ Mobile Health Care Units and Rural Clinics</p> <ul style="list-style-type: none"> Rural Clinics: 7 Nos. MHCU Stoppages: 31 Nos. Villages Covered: 29 Nos. Total individuals benefited from MHCU and Rural clinic services: 9867 Nos. 33% average savings on healthcare-related costs. 42% People are aware and become health Conscious Adani Foundation's medical support program has provided critical care to 1,071 underprivileged patients, addressing serious health issues like kidney and heart conditions at Adani Hospital Mundra. In life-threatening cases, patients are stabilized and referred to GKGH, Bhuj, with full coordination for advanced treatment—ensuring no one is left behind in their journey to recovery. <p>❖ Awareness and Screening Drive in Mundra Schools:</p> <ul style="list-style-type: none"> Adani Foundation conducted health and hygiene awareness sessions across primary

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							<p>schools in Mundra Block, fostering lifelong wellness habits among children and educators.</p> <ul style="list-style-type: none"> • Over 584 students and teachers participated in interactive sessions focused on hygiene practices and healthy living. • Comprehensive health screenings were carried out for 1,093 students, enabling early detection of health issues and timely intervention. • Core topics included handwashing, dental care, nutrition, personal cleanliness, and environmental health. • Adani Foundation organized a focused TB awareness initiative in Mundra Block, enhancing health literacy among affected individuals through expert-led sessions. • Patients received vital education on symptoms, medication, hygiene, diet, and lifestyle from healthcare professionals including the District TB Health Officer. <p>❖ Animal Husbandry:</p> <ul style="list-style-type: none"> • Awareness meetings on modern dairy farming in villages, engaging local cattle owners. • Organized vaccination camps across villages, covering 1,647 animals (1,410 camels + 237 cattle). • Improved livestock health and productivity by reducing disease risk and promoting sustainable care practices.

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							APSEZ will explore other possibilities to augment the primary and secondary healthcare facilities in future depending on the future development at APSEZ.
10.5	<p>Due to rapid economic development in the region, several employment opportunities can be generated to the local people.</p> <p>When the area is fully developed by the end of 2030, the working population of the Mundra taluk would increase from current level of 55,000 to as high as 4,00,000,</p>		<p>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. Based on the need assessment</p>	<p>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.</p>	APSEZ	Short Term	<p><u>Fishermen livelihood development activities during FY 2025-26:</u></p> <p><u>WOMEN EMPOWERMENT:</u></p> <ul style="list-style-type: none"> ❖ Self Help Groups: Women were mobilized into 82 SHGs through formal registration, laying the foundation for collective growth and financial inclusion. ❖ Skill Building: Tailored workshops and hands-on training empowered members with entrepreneurial, financial, and operational skills. Conducted 12 workshops for 1000 women's. ❖ Exposure & Learning: 60 nos. exposure visits to successful enterprises inspired SHG members, boosting confidence and sparking innovative ideas. ❖ Need-Based Support: Adani Foundation provided timely support— equipment, funding, and guidance—based on each group's evolving needs and goals 52 times. ❖ Community Impact: SHGs now uplift entire communities— enhancing household income, promoting leadership, and driving social change and 1450 people are benefited.

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	which will be 45% of the total envisaged population in Mundra Taluk by the end of 2030.		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 youth to maximum possible extent.				<p>CHETNA" - initiative with gender diversity:</p> <ul style="list-style-type: none"> ❖ Women Mobilization & Employment Facilitation: Adani Foundation, in partnership with Unnati Portal and Adani Solar, mobilized and counseled women and their families, enabling them to confidently enroll, attend interviews, and secure jobs. ❖ Empowerment Through Opportunity: Women from Kutch began working in formal roles, gaining financial independence, self-confidence, and inspiring broader community acceptance of female workforce participation. ❖ Till Now 600+ Female Joined Adani Solar @Pan India and 459 are from Kutch. ❖ 12th passed student benefited with 1.8 lac/annum and graduate students benefited with 2.16 Lac/Annum. <p>Empowering Fisherfolk Community:</p> <ul style="list-style-type: none"> • Distributed education kits to HSC and graduation-level students, including notebooks, guides, stationery, and study bags. • Facilitated job opportunities and skill development for youth through community engagement and support programs.

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							<ul style="list-style-type: none"> • Provided daily transportation for 86 school-going children to ensure consistent access to education. • Awarded scholarships totaling ₹3,58,765 to 34 students for higher secondary and technical education. <p>❖ Job initiatives:</p> <ul style="list-style-type: none"> • 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. <p>❖ Potable water Distribution:</p> <ul style="list-style-type: none"> • Providing access of potable Drinking water Facilities to Nine fisherfolk vasahat on Daily bases, either By Water tanker or Linkage with Nearest Gram panchayat. • More than 5000 Fisherfolk Population are getting benefit which impact on their health and well-being. <p>APSEZ is carrying out various initiatives specific to the Fisherfolk community which includes:</p>

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							<ul style="list-style-type: none"> ❖ 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 <p>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”,</p> <p>Till, Sep’25 approx. 16.43 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 – 10.</p>

Annexure - i

TEST REPORT

Report No.	URC /25/07/Water/ APSEZ-0001		
Name & Address of Customer	M/S. ADANI PORTS & SPECIAL ECONOMIC ZONE LTD. (WFDP-West Port) PLOT NO: - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	04/08/2025
		Customer's Ref.	As Per W.O.
Sample Details	Pond Water	Location	Near Coal Pond
Sample Qty.	5 Lit.	Appearance	Colorless
Sampling Date	26/07/2025	Sample Received Date	28/07/2025
Test Started Date	28/07/2025	Test Completion Date	02/08/2025
Sampled By	UERL Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/07/Water/ APSEZ-0001		

TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4):2021	Pt. Co. Scale	30
2.	Odour	IS 3025(Part 5):2023	--	Agreeable
3.	Total Suspended Solids	APHA 24th Ed.,2023,2540 –D	mg/L	42
4.	pH @ 25 ° C	APHA 24th Ed.,2023,4500-H*B	--	7.28
5.	Temperature	IS 3025(Part 9):2023	°C	29
6.	Oil & Grease	IS 3025(Part 39):2021	mg/L	BDL(MDL:2.0)
7.	Total Residual Chlorine	IS 3025(Part 26):2021	mg/L	BDL(MDL:0.1)
8.	Ammonical Nitrogen	IS 3025(Part 34):1988,	mg/L	BDL(MDL:2.0)
9.	BOD (3 days at 27 °C)	IS 3025(Part 44):2023	mg/L	16
10.	COD	IS 3025(Part 58):2023	mg/L	56.2
11.	Arsenic (as As)	APHA 24th Ed.,2023,3114-C	mg/L	BDL(MDL:0.01)
12.	Mercury (as Hg)	APHA 24th Ed.,2023, 3112-B	mg/L	BDL(MDL:0.001)
13.	Lead (as Pb)	IS 3025 (Part 47):1994	mg/L	BDL(MDL:0.01)
14.	Cadmium (as Cd)	IS 3025(Part 41):2023	mg/L	BDL(MDL:0.003)
15.	Hexavalent Chromium	APHA 24th Ed.,2023,3500CrB	mg/L	BDL(MDL:0.05)
16.	Total Chromium (as Cr)	IS 3025 (Part 52):2003	mg/L	BDL(MDL:0.05)
17.	Copper (as Cu)	IS 3025 (Part 42):1992	mg/L	BDL(MDL:0.05)
18.	Zinc (as Zn)	IS 3025(Part 49):1994	mg/L	BDL(MDL:0.05)

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Note: This report is subject to terms and conditions mentioned overleaf.



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Test Started Date	28/07/2025	Test Completion Date	02/08/2025
Sampled By	UERL Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/07/Water/ APSEZ-0001		

TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
19.	Selenium (as Se)	IS 3025(Part 56):2003	mg/L	BDL(MDL:0.01)
20.	Nickel (as Ni)	APHA 24th Ed.,2023,3111-B	mg/L	BDL(MDL:0.02)
21.	Cyanide (as CN)	IS 3025(Part 27):1986	mg/L	BDL(MDL:0.05)
22.	Fluoride (as F)	IS 3025(Part 60):2008	mg/L	0.52
23.	Dissolved Phosphate (as P)	APHA 24th Ed.,2023,4500-P, D	mg/L	0.68
24.	Sulphide as S	APHA 24th Ed.,2023,4500 S ² F	mg/L	BDL(MDL:0.1)
25.	Phenolic Compound	IS 3025(Part 43):2022	mg/L	BDL(MDL:0.01)
26.	Bio Assay test (%)	IS:6582-1971	%	90 % survival of fish after 96 hrs. in 100% effluent
27.	Manganese (as Mn)	APHA 24th Ed.,2023, 3500 Mn B	mg/L	BDL(MDL:0.1)
28.	Iron (as Fe)	IS 3025(Part 53):2003	mg/L	0.159
29.	Vanadium (as V)	APHA 24th Ed.,2023-3500 – V	mg/L	N.D.
30.	Nitrate (as NO ₃ -N)	APHA 24th Ed.,2023,4500 NO ₃ -B	mg/L	0.6

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit

Opinion & Interpretation (If required):

*****End of Report *****

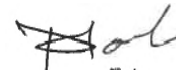
Checked By



(Nilesh C. Patel)
(Sr. Chemist)

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Authorized By



(Nitin B. Tandel)
(Technical Manager)

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