

To,

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

Sub : Half yearly Compliance report of Environment Clearance for the project namely "Development of Multipurpose berth (Terminal- 2) at Mundra Port, Dist. Kutch"

Ref : Environment clearance under CRZ notification granted to M/s Adani Ports & SEZ Limited vide letter dated 5th February 2007 bearing no. 11-84/2006- 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 October 2024 to March 2025 is being duly uploaded on the Parivesh Portal.

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

Kindly consider the above submission and acknowledge.

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



Bhagwat Swaroop Sharma
Head – Environment
Mundra & Tuna Port

Encl: As above

Copy to:

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

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

Tel +91 2838 25 5000
Fax +91 2838 25 51110
info@adani.com
www.adani.com

Environmental Clearance Compliance Report of



Multipurpose Berth
(Terminal -2)

at

Mundra Port,
Dist. Kutch, Gujarat

of

Adani Ports and SEZ Limited

Period:

October – 2024 to March – 2025

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Index

Sr. No.	Particulars	Page Nos.
1	Environment and CRZ Compliance Report	1 - 47
2	Annexures	
	Annexure – A Compliance report of CRZ recommendations	49 - 64
	Annexure – 1 CC&A-Amendment Order- MPT	66 - 68
	Annexure – 3 Details on Mangroves afforestation & Green belt development	70 - 71
	Annexure – 3 Adani Foundation – CSR Report for the FY 2024-25	73 - 132
	Annexure – 4 Report of Algae Removal at Mangroves	134 - 134
	Annexure – 5 Half Yearly Environment Monitoring Summary Report	136 - 216
	Annexure – 6 Acknowledgement Copy GPCB Inspection Reply and Latest GPCB Lab Test Report-MPT	218 - 220
	Annexure – 7 Renewed Copy of ZWL Certificate-APSEZ, Mundra	222 - 222
	Annexure – 8 Budget spent for environmental protection expenditure	224 - 224
	Annexure – 9 Compliance Report of CIA EMP	226 - 324
	Annexure – 10 Report of Regional Level Pollution Response exercise	326 - 330
	Annexure – 11 Photographs of Installed RECD on DG Sets	332 - 334
	Annexure – 12 Copy of CC&A Amendment Order-West Port	336 - 337
	Annexure – 13 Copy of CTE-Fresh for Desal Plant-MPL	339 - 342
	Annexure – 14 Details of Fisherfolk Expenditure	344 -344

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

- Chronology of company name change from **M/s. Gujarat Adani Port Limited** to **M/s. Adani Ports and Special Economic Zone Ltd.** was submitted along with half yearly EC Compliance report for the period Apr'21 to Sep'21.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Half yearly Compliance report of Environment and CRZ Clearance for the project namely "Development of Multipurpose berth (Terminal – 2) at Mundra Port, Dist. Kutch" issued vide MoEF letter no. 11-84/2006-IA.III dated 5th February 2007.

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																									
A. Specific Condition																											
(i)	All the conditions stipulated by Forests Environment Department, Government of Gujarat vide their letter no. ENV-10-2005-222-P dated 12/10/2006 should be strictly implemented.	<p>Complied.</p> <p>Point wise compliance report of CRZ recommendations issued vide letter No. ENV-10-2005-222-P dated 12/10/2006 is enclosed as Annexure – A.</p>																									
(ii)	No Objection Certificate from Gujarat State Pollution Control Board should be obtained before initiating the project.	<p>Complied.</p> <p>APSEZL had obtained No Objection Certificate vide GPCB letter No. GPCB/Unit-1/FT-139/11944 dated 27th April 2005.</p> <p>Consent to operate (CC&A) has been renewed from GPCB vide consent no. AWH-117045 valid till 20th November 2026. The copy of renewed Consent to operate (CC&A) were submitted along with previous EC Compliance report for the period Oct’21 to Mar’22.</p> <p>Consent to Establish (CtE) and Consent to Operate (CtO) are obtained from GPCB and renewed/amended from time to time as per the progress of the project activity. The present in-force CtE / CtO are mentioned below.</p> <table><tr><th>Sr. No.</th><th>Permission</th><th>Project</th><th>Ref. No. / Order No.</th><th>Valid till</th></tr><tr><td>1</td><td>CtO – Renewal</td><td>Mundra Port Terminal</td><td>AWH-117045</td><td>20.11.2026</td></tr><tr><td>2</td><td>CtE – Amendment</td><td>WFDP</td><td>17739 / 15618</td><td>18.05.2027</td></tr><tr><td>3</td><td>CC&A Correction</td><td>Mundra Port Terminal</td><td>PC/CCA-KUTCH-39(8)/GPCB ID 17739/748148</td><td>20.11.2026</td></tr><tr><td>4</td><td>CC&A – Amendment</td><td>Mundra Port Terminal</td><td>Consent No. WH-141598</td><td>20.11.2026</td></tr></table> <p>The CtE – Amendment (Sr. No. 2) was submitted along with earlier compliance report submission. The copy of renewed Consent to operate (CC&A) (Sr. No. 1) were submitted along with previous EC Compliance report for the period Oct’21</p>	Sr. No.	Permission	Project	Ref. No. / Order No.	Valid till	1	CtO – Renewal	Mundra Port Terminal	AWH-117045	20.11.2026	2	CtE – Amendment	WFDP	17739 / 15618	18.05.2027	3	CC&A Correction	Mundra Port Terminal	PC/CCA-KUTCH-39(8)/GPCB ID 17739/748148	20.11.2026	4	CC&A – Amendment	Mundra Port Terminal	Consent No. WH-141598	20.11.2026
Sr. No.	Permission	Project	Ref. No. / Order No.	Valid till																							
1	CtO – Renewal	Mundra Port Terminal	AWH-117045	20.11.2026																							
2	CtE – Amendment	WFDP	17739 / 15618	18.05.2027																							
3	CC&A Correction	Mundra Port Terminal	PC/CCA-KUTCH-39(8)/GPCB ID 17739/748148	20.11.2026																							
4	CC&A – Amendment	Mundra Port Terminal	Consent No. WH-141598	20.11.2026																							

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>to Mar'22. A copy of CCA correction letter was submitted along with half yearly compliance report for the period of Apr'23 to Sept'23.</p> <p>The permission mentioned above (Sr. No. 4) CC&A-Amendment for Mundra Port Terminal for increase in Cargo Handling Capacity i.e. Liquid Cargo & Container Cargo by developing new berths along with its supporting infrastructure facilities/ utilities and regularizing General / Dry Cargo handling capacity in line with existing port capacity.</p> <p>A copy of CC&A Amendment permission mentioned above (Sr. No. 4) is attached as Annexure – 1.</p>
(iii)	The proposed project should not handle any hazardous goods and cargo.	<p>Complied.</p> <p>Only containers and dry cargo is being handled on Multi-Purpose Berth (Terminal – 2).</p> <p>During the compliance period, no hazardous cargo / goods are handled at the Multi-Purpose Berth (Terminal – 2).</p>
(iv)	Quarantine condition should be provided for keeping the hazardous containers if they are accidentally received.	<p>Complied.</p> <p>Only containers and dry cargo is being handled on Multi-Purpose Berth (Terminal – 2).</p> <p>During the compliance period, no hazardous cargo / goods are handled at the Multi-Purpose Berth (Terminal – 2).</p>
(v)	Green belt area should be developed along the project and budget earmarked.	<p>Complied.</p> <p>Green belt was developed 72.67 ha. Total 149959 trees were planted with the density of 2063 Nos. per hectare within the port area. So, far APSEZ has developed 458 ha. area as greenbelt with plantation of more than 9.06 Lacs Lacs saplings within the APSEZ area.</p> <p>To enhance the marine biodiversity, till Mar'25 APSEZ has carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat. Total expenditure for the same till date is INR 1592.8 lakh.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>Details on Mangroves afforestation & Green belt development carried out by APSEZ till date is annexed as Annexure – 2.</p> <p>Other than this Adani Foundation – CSR Arm of Adani Group at Mundra-Kutch has initiated multi-species plantation of mangroves in Luni village in association with GUIDE, Gujarat. During 2018-2019 (Phase-I) multi-species mangrove plantation was carried out in 10 ha, during Phase-II (2019-2020) it was 02 ha and during Phase III (2020-2021) it is 01 ha. During FY 2021-22, 03 ha area coastal stretches have been planted with species. During current FY 2022-23, 04 Hectar plantation has been planted with various species. Total 20 Ha. Multi-species mangrove plantation has been carried out till March-23 association with M/s. GUIDE, Gujarat.</p> <p>These plantations are diligently maintained and continually monitored. Notably, these forests have evolved into a thriving habitat for various marine and migratory bird species, enriching the local ecosystem.</p> <p>Please refer attached Annexure – 3 for CSR activity report carried out by Adani Foundation.</p>
(vi)	A disaster management plan covering emergency evacuation mechanism etc. to deal with natural disaster event should be prepared and furnished to the ministry.	<p>Complied.</p> <p>Disaster Management plan is in place and implemented to deal with natural disasters such as cyclone, earthquake, flood/heavy rain and tsunami. Updated DMP was submitted to the MoEF & CC along with half yearly compliance report for the period from Apr – 2016 to Sep – 2016 and there is no further change in that.</p> <p>On Site Emergency Response Plan and Crisis Management Plan is in place and implemented. The updated (Aug'23) Onsite emergency plan was submitted during the compliance period Apr'23 to Sep'23.</p>
(vii)	The company must take up and earmark adequate funds for the socio-economic development and for welfare	<p>Complied.</p> <p>RO Plants are provided at Samaghogha, Siracha village & Vallabh Vidyalaya at Mundra village. To reduce water born</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025				
	measures in the area including drinking water supply, vocational training, fishery related development programmes (like cold storages)	<p>disease and women drudgery to get water, Potable water is provided to the fishermen communities at different vasahat through water tanker since 10 years.</p> <p>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> <ul style="list-style-type: none">❖ Education❖ Community Health❖ Rural Infrastructure❖ Sustainability Livelihood❖ Skill Development <p>Brief information about activities in the main five persuasions is mentioned below. Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Community Health</td><td><ul style="list-style-type: none">❖ Mobile Heath Care Units and Rural Clinics<ul style="list-style-type: none">• 7 Rural Clinics• 5 villages of Mundra & 2 village Mandvi block has benefited by rural clinic service.• Total 23799 Patients Benefitted in FY 24-25 (direct & indirect) by Mobile van and rural clinic.• Provided 52,063 medical health services.❖ 45602 nos. patients have been supported for operations, OPD, IPD, Medicines and lab-test at Adani Hospital Mundra Pvt. Ltd.❖ Financial Assistance for Critical Illness<ul style="list-style-type: none">• Understanding the burden of life-threatening diseases on economically weaker families, the Foundation provides financial support for patients suffering from heart, liver, kidney diseases, and</td></tr></table>	Area	Activity	Community Health	<ul style="list-style-type: none">❖ Mobile Heath Care Units and Rural Clinics<ul style="list-style-type: none">• 7 Rural Clinics• 5 villages of Mundra & 2 village Mandvi block has benefited by rural clinic service.• Total 23799 Patients Benefitted in FY 24-25 (direct & indirect) by Mobile van and rural clinic.• Provided 52,063 medical health services.❖ 45602 nos. patients have been supported for operations, OPD, IPD, Medicines and lab-test at Adani Hospital Mundra Pvt. Ltd.❖ Financial Assistance for Critical Illness<ul style="list-style-type: none">• Understanding the burden of life-threatening diseases on economically weaker families, the Foundation provides financial support for patients suffering from heart, liver, kidney diseases, and
Area	Activity					
Community Health	<ul style="list-style-type: none">❖ Mobile Heath Care Units and Rural Clinics<ul style="list-style-type: none">• 7 Rural Clinics• 5 villages of Mundra & 2 village Mandvi block has benefited by rural clinic service.• Total 23799 Patients Benefitted in FY 24-25 (direct & indirect) by Mobile van and rural clinic.• Provided 52,063 medical health services.❖ 45602 nos. patients have been supported for operations, OPD, IPD, Medicines and lab-test at Adani Hospital Mundra Pvt. Ltd.❖ Financial Assistance for Critical Illness<ul style="list-style-type: none">• Understanding the burden of life-threatening diseases on economically weaker families, the Foundation provides financial support for patients suffering from heart, liver, kidney diseases, and					

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>cancer. In the current year alone, 45,602 patients from Mundra, Mandvi, and Anjar Blocks have received critical medical assistance at Adani Hospital, Mundra, in collaboration with Adani GK General Hospital, Bhuj.</p> <p>❖ General Health Camp</p> <ul style="list-style-type: none"> It aims to make quality healthcare accessible to underserved communities by providing free consultations and basic medical services. Doctors conducted health check-ups, including blood pressure monitoring, respiratory assessments, and screening for seasonal illnesses. Patients were also provided with necessary medicines on the spot, ensuring timely treatment and care. Such camps play a vital role in promoting health awareness and addressing common health issues in rural areas where access to healthcare is limited. In the current year 1922 patients benefited through General Health Camp <p>❖ Specialty Health Camp</p> <ul style="list-style-type: none"> It organizes to support focused medical care to rural communities through consultations from specialists such as gynecologists, pediatricians, orthopedists, ophthalmologists, and physicians. The primary objective is to address critical health issues among women and children, particularly during pregnancy, to prevent maternal and infant mortality. Additionally, Specialty Health Camps are organized promptly in response to disease outbreaks in villages, ensuring quick medical support and controlling the spread of illnesses. In the current year 3217 patients benefited through Specialty Health Camp. <p>❖ Eye Vision Care Initiative</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<ul style="list-style-type: none"> This year, Adani Foundation, in collaboration with Vision Spring, has launched a comprehensive Eye Vision Care program to address uncorrected refractive errors and improve eye health in the community. The initiative focuses on students ("See to Learn"), SHG women ("See to Earn"), and APSEZ drivers ("See to Be Safe"), ensuring better education, livelihood, and road safety. It also promotes "Vision for All" across the community. It is a holistic eye care campaign starting from the process of registration to eyeglass dispensing, and cataract surgery support. In the current year 10,000 patients benefited through Eye Vision Care program. ❖ Cataract-Free Mundra Initiative <ul style="list-style-type: none"> To combat vision loss among the elderly, the Cataract-Free Mundra campaign has screened 567 individuals at the village level. Patients identified with cataracts are referred to GK General Hospital, Bhuj, for surgery, followed by post-operative care and follow-ups. This initiative has restored vision for many senior citizens, helping them regain independence and quality of life. In the current year 68 successful cataract operations through Cataract-Free Mundra campaign. ❖ Menstrual Hygiene Awareness Camps <ul style="list-style-type: none"> Promoting health and dignity among adolescent girls and women, menstrual hygiene awareness camps are regularly organized in schools and community centers. These sessions focus on educating participants about menstrual health, hygiene practices, and breaking cultural taboos. Sanitary pads are also distributed to encourage proper menstrual care and improve overall health outcomes for women and girls.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>❖ Medical Services Data from April 2024 to March - 2025:</p> <ul style="list-style-type: none"> • Mobile Van – 11066 beneficiaries • Rural Clinic – 2500 beneficiary • Medical Support & Dialysis – 2733 beneficiary • General Health Camp – 1922 beneficiary • Specialty Health Camp – 3217 beneficiaries • Blood Donation Camp – 2902 beneficiary • Cataract Camp – 567 beneficiaries • Eye Vision Care – 10000 beneficiaries • Driver Health Check Up – 7156 beneficiaries <p>❖ Animal Husbandry:</p> <ul style="list-style-type: none"> • Fodder support to 24 Villages, benefiting 36808 cattle, Dry Fodder Support - 15,74,250 Kg & Green Fodder Support - 51,66,805 Kg • Under the Preventive Health Care program, the Foundation, in partnership with the Animal Husbandry Department, organizes regular cattle health camps across 24 villages. These camps provide veterinary check-ups, vaccinations, and treatments for common diseases. Life-saving vaccines, such as those for Foot-and-Mouth Disease (FMD) and Clostridial infections, help ensure long-term immunity and healthier livestock. Additionally, medicines and vaccines are supplied by the Foundation. • Cattle vaccinated -14,056 • Deworming tablet distributed – 1460 • Cattle benefited – 15000+
		Sustainable Livelihood – Fisher folk, Agriculture & Women	<p>➤ <u>WOMEN EMPOWERMENT:</u></p> <p>❖ Self Help Groups</p> <ul style="list-style-type: none"> • 88 Self Help Groups in coordination with National Rural Livelihood Mission. • 920+ Members • Over Rs.39 Lacs Saving Amount Corpus

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> ❖ Job Sourcing - Govt <ul style="list-style-type: none"> • 11 Women supported for application and process of Gram Rakshak Dal, Bank Sakhi, Bima Sakhi and Professional Resource Person. • Average income Rs.7500 Per Month ❖ Making SHG Self Reliant <ul style="list-style-type: none"> • 16 SHG are making strides towards self-reliance. Various handicrafts, dry and fresh food making, stitching, tie and die etc. • 175+ women - Monthly average income @ Rs.7000 of each member/Month ❖ Social Empowerment <ul style="list-style-type: none"> • 4 Livelihood Enhancement Training through RSETI • Financial support for business set up • Legal rights and domestic violence workshops • Family counselling for Job Sourcing ❖ Job Sourcing - Private <ul style="list-style-type: none"> • Coordination for Job by Unnati Portal with Adani Group company companies, Britania, B Medical and Emphazer company • 758 Women supported till date for job sourcing. • Average income Rs.10,800 Per Month ❖ <u>"CHETNA" - INITIATIVE WITH GENDER DIVERSITY</u> <ul style="list-style-type: none"> • Adani Foundation, in collaboration with Unnati Portal and Adani Solar, launched an initiative to provide equal opportunities for employment and self-development to women from Kutch. • Till Now 614 women from Kutch are successfully employed at Adani Solar, marking a significant step towards their economic empowerment and fostering gender diversity in the workforce. ❖ <u>Highlights of the Work done by our SHG!</u>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<ul style="list-style-type: none"> • Sathwaro'24 - Powering Art, Empowering Artisans: 3 women SHGs from Adani Foundation Mundra participated in the prestigious Sathwaro Mela at the Belvedere Club, Ahmedabad, showcasing Mud Art, Bead Art, and Soof Art, along with two artisans specializing in Rabari and Doori work, achieving an impressive turnover of Rs.1,30,000/-. • New Stitching Centre - Livelihood opportunities for local women: In Vandh Village, by providing advanced stitching and embroidery training, the new stitching center empowers women with skills and employment. Equipped with 11 modern machines, women are producing 5,000 bags, gaining financial independence and professional confidence. • Women empowerment initiative: Adani Foundation is empowering rural women through skill training, exposure visits, and SHG formation, enabling them to achieve financial independence and entrepreneurship. • Skill Training: Stone Dust Art Training Mud Art Training Beauty & wellness Training. 100+ Local women empowered • Exposure Visit: Visit to Welspun Stitching Centre for women to learn about stitching enterprises • New SHG Formation: <ul style="list-style-type: none"> ○ Madhav Saheli" a Food service SHG ○ "Gopinath Saheli" a Tailoring SHG ○ "Suidhaga" a Tailoring SHG • CELEBRATED INTERNATIONAL WOMEN'S DAY WITH 1,000 LAKHPATI DIDIS: • On 5th March, Adani Foundation celebrated the strength and resilience of women by marking International Women's Day with 1,000 Lakhpati Didis. The event highlighted the Foundation's ongoing

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>efforts to empower rural women through meaningful livelihood opportunities.</p> <ul style="list-style-type: none"> Over 614 women have been connected with job opportunities at Adani Solar, while 850+ women entrepreneurs received support to grow their businesses. <p>❖ MENSTRUAL HYGIENE AWARENESS:</p> <ul style="list-style-type: none"> Adani Foundation is dedicated to educating and empowering rural girls and women from marginalized communities about menstrual health. We aim to break negative social stigmas around menstruation and improve their overall well-being. 61 Villages covered 8300+ School girls & women participated till now <p><u>EMPOWERING FISHERFOLK COMMUNITIES THROUGH EDUCATION:</u></p> <p>❖ PERSISTENT EFFORTS FOR FISHERMAN DEVELOPMENT:</p> <ul style="list-style-type: none"> Educational Kit Support – 686 beneficiaries Fisherman Shelter Support – 273 beneficiaries Vehicle transportation Support – 1368 beneficiaries Cycle Support to high school going students – 111 beneficiaries Scholarship Support – 648 beneficiaries Youth Employment – 494 beneficiaries Linkage with Fisheries Scheme – 195 beneficiaries Ramatotasav Community Engagement – 3534 beneficiaries Man-Days mangrove plantation - 56,523 beneficiaries <p>❖ Scholarship Support:</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> 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. This support is helping break the cycle of poverty and create a brighter future for these students and their families. ❖ Vehicle Transportation Facilities: Ensure seamless access to education for 121 school-going children from Modhva, Tragadi, and Zarpara Bandar Fishfolk Students in reaching the nearest School, eliminating barriers to regular attendance. Additionally, personal cycle support to 5 fishfolk students. ❖ Job opportunity Acting as a bridge between industries and fishfolk youth, the Adani Foundation facilitated job placements for 30 fishfolk as RTG operators, in the HR department, and as supervisors in APSEZ companies. In the APSEZ area and colony, 45 fishfolk 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. ❖ Awareness camp on Menstrual health: A menstrual health awareness camp was organized for 200+ women from the fishing communities of Modhva and Tragadi villages. The program focused on educating them about menstrual hygiene, PCOD, and menopause management. It promoted healthy practices, offered guidance on managing related health issues, and distributed sanitary products to support their overall well-being. ❖ Potable water Distribution:

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<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. • 5000+ Fisherfolk Population are getting benefit <p>➤ <u>SUSTAINABLE LIVELIHOOD - AGRICULTURE:</u></p> <p>❖ BIOGAS PROJECT</p> <ul style="list-style-type: none"> • In our ongoing efforts to promote sustainable and eco-friendly farming practices, we have successfully registered 863 farmers from five different talukas in the Kutch district. Each registered farmer will receive financial support of ₹9,000 for the installation of biogas plants on their farms. This initiative aims to provide farmers with a renewable source of energy, reduce dependency on conventional fuels, and improve overall agricultural productivity. <ul style="list-style-type: none"> • Benefits of Biogas: <ul style="list-style-type: none"> ○ Renewable Energy Source: Biogas is a sustainable and renewable energy source that reduces dependence on fossil fuels. ○ Cost Savings: Farmers save on fuel expenses as biogas can be used for cooking, heating, and electricity generation. ○ Waste Management: Biogas plants efficiently manage agricultural waste by converting it into useful energy. ○ Environmental Impact: Biogas reduces greenhouse gas emissions, contributing to climate change mitigation. ○ Soil Health: The by-product, known as digestate, is a nutrient-rich organic fertilizer that enhances soil fertility. ○ Improved Livelihoods: Biogas provides farmers with additional income and energy security, improving their overall quality of life.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> • Biogas benefit Key Highlights <ul style="list-style-type: none"> ○ Total Farmer Registered - 863 Farmers ○ Financial Support for each farmer - Rs. 9000 ○ Geographical coverage in Kutch - 6 Talukas ❖ DRIP IRRIGATION - ENHANCING LIVELIHOODS IN KUTCH: <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, Lakhsat, 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. ❖ Natural Farming <ul style="list-style-type: none"> • As part of our commitment to sustainable agriculture, we have focused on promoting natural farming practices to conserve soil health and enhance environmental sustainability. • Till Date 2,275 Farmers trained in • Natural Farming • 226 Farmers successfully transformed to 100% Natural Farming • 857 Farmers linked with GOG to support cattle welfare scheme ❖ Green Carnival <ul style="list-style-type: none"> • Organized an annual Green Carnival, providing farmers with a dedicated

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>marketplace to sell their organic produce directly to consumers. This event is hosted by our employee company and attracts many buyers interested in organic products.</p> <p>❖ Sales Achievements</p> <ul style="list-style-type: none"> This year, the Green Carnival was a resounding success, with farmers selling a total of 16,241 kg of organically grown vegetables and fruits at the event. Achieved Rs. 6,49,640+ Total revenue.
		Education	<p>❖ Enriched reading corners to develop reading habits</p> <ul style="list-style-type: none"> Library books were issued twice a month, and a dedicated reading corner was established in each school to enhance accessibility. Additionally, over 1,000 books and various magazines were provided 2,09,640 Books issued between students <p>❖ Progressive Students: Strengthening foundational literacy, numeracy and skills</p> <ul style="list-style-type: none"> A total of 6,540 students from Class 3 to 7 were assessed in reading, writing, and math skills, with 2399 students identified as needing additional support. Targeted interventions helped 1,520 students successfully integrate into regular academic programs <p>❖ Utthan's Impact: A Data-Driven Overview of Utthan Initiatives</p> <ul style="list-style-type: none"> Distribution of sports kits, music kits, TLM kits, and stationery kits. to 12K+ Students Value education is imparted through films that teach important life lessons and moral values to 1K+ Students Provide students to engage in fun and educational activities, fostering their holistic development. 8K+ students. Children toy foundation kit to 5k+ Students

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> • Building as Learning Aid (7K+ Students): BALA transforming school spaces into vibrant learning environments through creative artwork. • Environmental Education Project: 80 Schools, 12000+ Students • Adani Competitive Coaching Center: 27 School, 5000+ Students • Oasis Reading workshop: 700+ Workshop. 20000+ Students • Capacity building of teachers: 150 • Teachers, 16000+ Hours ❖ Key finding of third-party assessment: • The Utthan program assessment employed a quasi-experimental, mixed-methods design with pre- post comparisons and stratified random and purposive sampling to evaluate student outcomes, program impact, and sustainability. • The sample included 288 intervention students, 96 non- intervention students, 53 Sahayak, 30 head teachers, 30 SMC members, 30 parents, and community members, with data collected through FGDs, SSIs, and KIs. Univariate and bivariate analyses were conducted, and field notes were transcribed to identify themes. These themes were aligned with objectives and compared to past data to uncover discrepancies and analyze their causes. <ul style="list-style-type: none"> ○ More than 90% of the students have achieved proficiency in reading, writing and numeracy skills in Utthan Schools. ○ Utthan sahayak as catalyst: The introduction of Saha yaks (teacher assistants) ensures personalized student support and bridges gaps between schools and families, fostering greater parental involvement. ○ Sahayak have mentioned improvements in their classroom management practices, strong parent and community

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>management and understanding of student child development</p> <ul style="list-style-type: none"> ○ 97% of students reported improved confidence in leadership and communication and 97% of students in Utthan schools have mentioned interest in attending school. ○ Teachers' capacity building: Comprehensive teacher training programs enhance instructional quality, equipping educators with tools to deliver FLN-focused curriculum effectively. ○ Community engagement through home visits and mothers' meetings, the project strengthens parental accountability and participation, directly influencing students' motivation and performance. <p>❖ Holistic Development & Achievements</p> <ul style="list-style-type: none"> • Academic and Institutional Developments: Board exam results showcased excellent student performance, with targeted remedial sessions introduced for continuous improvement. • The Housekeeping Training Program (May 28) emphasized cleanliness and hygiene maintenance among staff. • Teacher Development and Training: Teacher Capacity Building Program (June 6) enhanced instructional strategies and curriculum planning. • NABET Accreditation Training (June 12) ensured compliance with national educational standards. • Technological Advancements: Inauguration of a New Computer Lab (Sept 27) enhanced digital learning opportunities. • AI and Google Gemini Training (Nov 16) prepared educators for modern teaching methodologies. • Cultural and Co- Curricular Activities: World Book Day (April 23) promoted

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>reading culture through storytelling and book exhibitions.</p> <ul style="list-style-type: none"> • International Yoga Day (June 21) emphasized mindfulness and physical wellness. • Student Achievements: SVS Science Exhibition (Oct 4): AVMB students won first place for their research on screen time and its impact. • District-Level Science Fair (Dec 9-10): Students represented Mundra Taluka with innovative projects. • Health and Safety Initiatives: Menstrual Hygiene Awareness Program (June 22) educated girls on personal health and wellness. • School-Wide Health Check-Up (July 8) ensured early detection of health concerns. <p>❖ Project Udaan - Inspiring Minds</p> <ul style="list-style-type: none"> • About Project: Under this project, exposure tours are organized wherein school, college students, faculties, employees from corporates are given a chance to visit the Adani Group facilities. • Total 408 no. of Schools/Colleges/Institutes participated. • Total 26346 no. of participants participated.
	Rural Infrastructure & Environmental Sustainability	➤	<p>COMMUNITY INFRASTRUCTURE DEVELOPMENT PROJECTS & ITS BENEFICIARIES</p> <ul style="list-style-type: none"> • Renovation of Aanganwadi, 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 • Renovation of High School, Zarapra Village – 550 beneficiaries • Open Shed at Mokha Parking – 2000 beneficiaries

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<ul style="list-style-type: none"> • 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, Wandi Village – 2000 beneficiaries <p>➤ COMMUNITY INFRASTRUCTURE DEVELOPMENT KEY COMMUNITY INFRASTRUCTURE DEVELOPMENTS:</p> <ul style="list-style-type: none"> • Educational Facility Renovations <ul style="list-style-type: none"> ○ 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: <ul style="list-style-type: none"> ○ Pipe Culvert, Old Bandar: 1200 people benefited. ○ Box Culvert & CC Road, Zarpara: 12000 people benefited. ○ Approach Road, Shekadiya & Luni: 1200 people benefited. ○ Approach Road, Vadi Vistar: 800 farmers benefited. • 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. • Sanitation and Health Initiatives: <ul style="list-style-type: none"> ○ 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.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>➤ <u>COMMUNITY RESOURCE CENTRE</u></p> <ul style="list-style-type: none"> ❖ The Community Resource Centre (CRC), located at the Adani Field Office in Baroi, serves as a vital bridge between government schemes and the beneficiaries who need them most. Functioning as a single-window solution, the CRC provides support for online applications and documentation, ensuring that eligible individuals can access various welfare schemes with ease. ❖ Through the facilitation efforts of the Adani Foundation, a total of 2,334 beneficiaries are currently receiving aid under multiple government programs, including Widow Pension, Senior Citizen and Divyang Pension, and the Palak Mata Pita Scheme. This support results in a combined aid of Rs. 3.37 crore monthly. <p>➤ <u>SWAVLAMBAN - "A STEP TOWARDS INCLUSIVITY"</u></p> <ul style="list-style-type: none"> ❖ Under this initiative, the Adani foundation has pledged annual financial assistance of ₹10 lakh to 500 married female divyangs. ❖ Impact <ul style="list-style-type: none"> • Ensuring a future of dignity, security, and stability for beneficiaries. • Strengthening inclusivity and social upliftment through impactful support. <p>➤ <u>INNOVATIVE ENVIRONMENTAL SOLUTIONS FOR SUSTAINABLE FUTURE:</u></p> <ul style="list-style-type: none"> ❖ TERRESTRIAL BIODIVERSITY <ul style="list-style-type: none"> • Project Adani Van: "Harit Paryavaran ki Ek Pahel" focuses on afforestation and community involvement, transforming barren lands into thriving forests with 88,303 plants, enhancing local biodiversity.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> ❖ COASTAL BIODIVERSITY <ul style="list-style-type: none"> • The mangrove plantation project at the Luni coastal belt has created 162 hectares of dense mangrove forests, providing a new habitat for various species and showcasing the area's ecological richness. ❖ PLASTIC FREE ENVIRONMENT <ul style="list-style-type: none"> • This initiative educates children about plastic pollution and promotes reducing, reusing, and recycling plastic to foster environmental responsibility. ❖ WATER CONSERVATION <ul style="list-style-type: none"> • The SWAJAL project addresses groundwater depletion in Kutch by constructing rooftop rainwater harvesting systems, benefiting 1,660+ individuals and ensuring access to quality drinking water. ❖ SOLAR PROJECTS: <ul style="list-style-type: none"> • Surya Ghar initiative provides sustainable energy solutions by installing solar panels, significantly reducing electricity costs and promoting environmental sustainability in rural communities. • Adani Van – Harit Par yavaran ki Ek Pahal: Massive plantation drives to enhance green cover. Transformed barren lands into thriving forests, promoting sustainability. • Biodiversity Enhancement: 78 bird species, 4 mammal species, 12 species of insects and reptiles. Significantly enhanced local biodiversity and ecological health. • Prakruti Rath Community- Led Green Initiatives: Distributed 53,886 saplings, enhancing green cover. Strengthened community connection to nature and empowered environmental stewardship. <p>Plantation Achievements: Total Plants: 88,303 across 35 acres Native Species: 70+ species planted.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<ul style="list-style-type: none"> ❖ Biodiversity Knowledge & Interpretation Center • Biodiversity & Interpretation Center: The center is dedicated to educating, inspiring, and engaging the community in conserving Gujarat's rich biodiverse. • Nursery Development: A nursery of 10,000 mangrove seeds was established at the Luni site with the active participation of local fishermen. • Training Sessions: 30+ Employee Training on Biodiversity Conservation at Mundra Petrochem LTD. • Awareness Sessions: An awareness lecture was held at Adani Vidya Mandir, Bhadreshwar, with 50+ students participating. • Workshop on Coastal Conservation: One-day workshop was held with participation of 200+ students of University. ❖ Nurturing A Plastic-free Generation • Plastic Free Villages: <ul style="list-style-type: none"> ○ 2 villages & 8500 individuals targeted ○ 50+ local vendors, 70+ women in SHGs • Green School Project: <ul style="list-style-type: none"> ○ Covering 75+ Schools ○ 12000+ Students ○ 32000+ Kg Single used plastic recycle at Zero Cost • Coastal Cleanup Day: <ul style="list-style-type: none"> ○ 200+ students and 80 Uthhan Sahayaks led to the successful cleanup of a 1 km stretch of Kashivishvnath Beach, Mandvi. <p><u>WATER CONSERVATION "SWAJAL PROJECT" ENHANCING RURAL WATER RESOURCES</u></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

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<p>water capacity by 5,400,735 cubic meters (CUM) and benefited 64,515 people.</p> <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 ○ Beneficiaries: 9,600 ○ Impact: Provides reliable drinking water sources <p><u>SURYA GHAR PROJECT - 100% SOLAR VILLAGE</u></p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
			<ul style="list-style-type: none"> Adani Foundation, through its CSR initiative, has launched the Surya Ghar Project to transform 2 villages into 100% solar-powered communities. This project aims to provide sustainable energy solutions, enhance energy access, reduce reliance on conventional power sources, and promote environmental sustainability while significantly lowering electricity costs for villagers. ❖ The project benefits 4,500+ people. ❖ Environmental Benefits <ul style="list-style-type: none"> Significant reduction in carbon footprint. Promotes clean, renewable energy. Serves as a replicable model for other rural communities
		Skill Development	<p>➤ <u>ADANI SKILL DEVELOPMENT CENTER (ASDC)</u></p> <ul style="list-style-type: none"> The Adani Skill Development Center (ASDC) in Bhuj and Mundra is dedicated to creating a future fueled by a skilled and empowered Indian workforce, driving economic growth. Focused on bridging the gap between industry demands and workforce capabilities, ASDC offers high-quality vocational training, fosters innovation, and promotes entrepreneurship. The center's impact is significant, with 887 students in Bhuj & Mundra, where 70% of participants are female, and 258 technical trainees already placed in diverse roles such as General Duty Assistant and Domestic Data Entry Operator etc. Six placement drives and 24 guest lectures have further supported career opportunities. In Mundra, courses like RTG Crane Operator, Tally with GST, and Beauty Therapist training have drawn strong participation, especially among

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																																																																															
			<p>women, resulting in 135 placements in beauty therapy alone.</p> <ul style="list-style-type: none">By equipping youth with relevant skills, facilitating job opportunities, and empowering women, ASDC plays a vital role in driving inclusive growth, promoting gender equality, and contributing to the region's economic progress. <p>❖ ASDC - MUNDRA</p> <table><tr><td></td><td></td><td></td><td></td></tr><tr><td>JOC (RTG Crane Operator)</td><td>00</td><td>140</td><td>140</td></tr><tr><td>DDEO</td><td>30</td><td>14</td><td>44</td></tr><tr><td>Tally with GST</td><td>01</td><td>00</td><td>01</td></tr><tr><td>Beauty Therapist</td><td>134</td><td>00</td><td>134</td></tr><tr><td>Painting/Drawing Training</td><td>06</td><td>09</td><td>15</td></tr><tr><td>German Language</td><td>02</td><td>00</td><td>02</td></tr><tr><td>Advance Excel</td><td>01</td><td>10</td><td>11</td></tr><tr><td>Mud Work</td><td>40</td><td>00</td><td>40</td></tr><tr><td>Dori Work</td><td>40</td><td>00</td><td>40</td></tr><tr><td>Total</td><td>254</td><td>173</td><td>427</td></tr></table> <p>❖ ASDC - BHUJ</p> <table><tr><td></td><td></td><td></td><td></td></tr><tr><td>GDA</td><td>140</td><td>20</td><td>140</td></tr><tr><td>DL</td><td>07</td><td>00</td><td>07</td></tr><tr><td>EDP – Tie up with CED</td><td>40</td><td>05</td><td>45</td></tr><tr><td>Skill Up gradation</td><td>90</td><td>60</td><td>150</td></tr><tr><td>Domestic Data Entry Operator</td><td>61</td><td>01</td><td>62</td></tr><tr><td>First Aid</td><td>31</td><td>05</td><td>36</td></tr><tr><td>Total</td><td>369</td><td>91</td><td>460</td></tr></table> <p>➤ <u>EMPOWERING SKILLS FOR A BRIGHTER FUTURE</u></p> <ul style="list-style-type: none">RTG Crane Operation: Essential for port operations, ensuring safe and efficient cargo handling.							JOC (RTG Crane Operator)	00	140	140	DDEO	30	14	44	Tally with GST	01	00	01	Beauty Therapist	134	00	134	Painting/Drawing Training	06	09	15	German Language	02	00	02	Advance Excel	01	10	11	Mud Work	40	00	40	Dori Work	40	00	40	Total	254	173	427					GDA	140	20	140	DL	07	00	07	EDP – Tie up with CED	40	05	45	Skill Up gradation	90	60	150	Domestic Data Entry Operator	61	01	62	First Aid	31	05	36	Total	369	91	460
JOC (RTG Crane Operator)	00	140	140																																																																														
DDEO	30	14	44																																																																														
Tally with GST	01	00	01																																																																														
Beauty Therapist	134	00	134																																																																														
Painting/Drawing Training	06	09	15																																																																														
German Language	02	00	02																																																																														
Advance Excel	01	10	11																																																																														
Mud Work	40	00	40																																																																														
Dori Work	40	00	40																																																																														
Total	254	173	427																																																																														
GDA	140	20	140																																																																														
DL	07	00	07																																																																														
EDP – Tie up with CED	40	05	45																																																																														
Skill Up gradation	90	60	150																																																																														
Domestic Data Entry Operator	61	01	62																																																																														
First Aid	31	05	36																																																																														
Total	369	91	460																																																																														

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> • Data & Financial Management: Includes DDEO & Tally with GST, critical for accurate data management and financial compliance. • Skill Enhancement Programs: Encompasses all the above programs, ensuring a well-rounded skill set for various industries. • Personal Care and Safety: Covers Beauty Therapist and First Aid, important for personal care industry and essential safety knowledge. • Artistic and Craftsmanship Development: Includes Painting / Drawing Training, Mud Work, and Dori Work, enhancing creativity and traditional crafts. • Language and Software Proficiency: Covers German Language, Advance Excel, and EDP – Tie up with CED, boosting communication and technical skills. <p>Please refer Annexure – 3 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 2024–25 was INR 1,564.72 lakh and fully spent during FY 2024-25.</p> <p>Till Mar'25, Adani Foundation has done total expenditure of INR 188.41 Cr. for CSR activities in Kutch region since its inception</p>
(viii)	The fishing activities by the fishermen living in the settlement along the creek should not be hindered and a mechanism may be evolved for the movement of fishing boats vis-a-vis shipping activities.	<p>Complied.</p> <p>No commercial fisheries are prevailing in this area except Pagadia and fishermen with small boats. Unhindered access is provided to the fishing boats.</p> <p>During project proposal, APSEZ proposed to provide four (4) dedicated accesses at Juna Bandar, Luni, Bavdi Bandar and Zarpara for the fishermen to approach the sea for fishing activity. However, during construction as well as</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>operation, through fishermen consultative process, APSEZ has provided seven (7) access roads. Total length of all the approach roads is approx. 23 Kms and expenditure involved is Rs. 637 Lacs. There is no hindrance to the movement of fisherman boats. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.</p> <p>Communication mechanisms have been developed for the smooth movement of fishing boats vis-à-vis shipping activities. Please refer point no. vii above for further details regarding CSR activities being carried out by Adani Foundation.</p>
(ix)	The relocation of the fishermen and local community if any, in the area should be done strictly in accordance with the norms prescribed by the State Government. The relocated communities should be provided with all facilities including health care, education, sanitation and livelihood.	<p>Complied.</p> <p>The project was conceptualized in such a way that there are no fishermen or local community settlements in the project proposal.</p> <p>APSEZ performs a large-scale socio-economic upliftment program in consultation with FOKIA (Federation of Kutch Industries Association) chaired by District Collector quarterly.</p> <p>APSEZL have provided necessary facilities including health care, education, sanitation, livelihood, drinking water & other infrastructural support to fisher folk community in the region. Please refer point no. vii above for further details regarding CSR activities being carried out by Adani Foundation.</p>
(x)	The project proponent should not undertake any destruction of mangroves during construction and operation of the project.	<p>Complied.</p> <p>Construction phase is already completed and the project is in operation phase. All developments are carried out as per permissions granted.</p> <p>As a part of mangrove conservation plan, APSEZ has done following activities.</p> <p>a. Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island through NCSCM, Chennai. The cost of the said study was INR 23.56 Lacs incurred by APSEZ.</p> <p>b. Tidal observation in creeks in and around APSEZ – The</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																																					
		<p>cost of the said activity was INR 1.0 Lacs incurred by APSEZ.</p> <p>c. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report is attached as Annexure - 4.</p> <p>d. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25 which was incurred by APSEZ. This is activity is being done on continuous basis as a part of CSR activity.</p> <p>Summary of Conservation of mangroves:</p> <table><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Monitoring Agency</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td rowspan="2">NCSCM</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>NCSCM</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>GUIDE</td><td>2723</td><td>127</td><td>4.89%</td></tr><tr><td>Total</td><td></td><td>2723</td><td>629</td><td>--</td></tr></table> <p>Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to 2021 (2723 Ha) is 629 Ha (30%).</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>.</td><td></td><td></td></tr></table>	Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Hac.	%	2011	NCSCM	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	NCSCM	2596	256	10.94%	2019 to 2021 till March	GUIDE	2723	127	4.89%	Total		2723	629	--	Sr. No	Recommendations	Compliance	.		
Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)				Mangrove cover area Increased																																	
			Hac.	%																																			
2011	NCSCM	2094	-	-																																			
2011 to 2016-17		2340	246	11.75%																																			
2017 to 2019 till March	NCSCM	2596	256	10.94%																																			
2019 to 2021 till March	GUIDE	2723	127	4.89%																																			
Total		2723	629	--																																			
Sr. No	Recommendations	Compliance																																					
.																																							

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025	
		1.	<p>Mangrove mapping and monitoring in and around APSEZ</p> <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. As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%. This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction. Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019. The cost of the said study was INR 23.56 Lacs incurred by APSEZ. According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23), the distribution of mangroves in Kotadi, Baradi mata, Navinal, Bocha and Khari creeks as well as in the Bocha island was studied using LISS IV satellite images for the duration of March 2019 to March 2021. The mangrove cover in the creeks in and around APSEZ showed a

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																												
				<p>positive trend from March 2019 to March 2021, with an overall increase of 52.79 ha (1.9%) compared to the cover during the year 2019. The total mangrove cover during 2019 was 2670 ha which has increased to 2723 ha during the year 2021.</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 2021 (2723 Ha) is 629 Ha (30%).The cost of the said study was INR 23.60 Lacs incurred by APSEZ. <p>Summary of Mangrove mapping and monitoring (from 2011 to 2021):</p> <table><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>2723</td><td>127</td><td>4.89</td></tr><tr><td>Total</td><td>2723</td><td>629</td><td>--</td></tr></table>	Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Hac.	%	2011	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	2596	256	10.94%	2019 to 2021 till March	2723	127	4.89	Total	2723	629	--
Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																												
		Hac.	%																											
2011	2094	-	-																											
2011 to 2016-17	2340	246	11.75%																											
2017 to 2019 till March	2596	256	10.94%																											
2019 to 2021 till March	2723	127	4.89																											
Total	2723	629	--																											
		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	<ul style="list-style-type: none">Algal and Prosopis growth monitoring was done in and																										

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025			
			growth from mangrove areas	around mangrove area and algal encrustation was found in some of the mangrove areas, which has been removed manually.	<ul style="list-style-type: none"> The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report is attached as Annexure - 4.
		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 24 Villages. Project is covering total 15005 Cattels and hence enhancing cattle productivity. Dry Fodder 15,74,250 Kg Green – 51,66,805 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25, 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 	

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																																																			
		<table><tr><td></td><td></td><td><p>ecosystem". The report for the same was submitted during the compliance report submission for the period Apr'24 to Sep'24.</p><ul style="list-style-type: none">Refer CSR report attached as Annexure – 3.</td></tr></table> <p>To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently 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>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 & study work has been completed. Final Mangrove mapping report is awaited from NCSCM.</p>			<p>ecosystem". The report for the same was submitted during the compliance report submission for the period Apr'24 to Sep'24.</p> <ul style="list-style-type: none">Refer CSR report attached as Annexure – 3.																																																
		<p>ecosystem". The report for the same was submitted during the compliance report submission for the period Apr'24 to Sep'24.</p> <ul style="list-style-type: none">Refer CSR report attached as Annexure – 3.																																																			
(xi)	Sewage arising in the port area should be disposed off through septic tank – soak pit system or should be treated along with the industrial effluent to conform to the standards stipulated by Gujarat Pollution Control Board and should be utilized / recycled for gardening, plantation and irrigation.	<p>Complied.</p> <p>Sewage generated from port is being treated in designated ETP and treated sewage is used for horticulture purposes.</p> <table><tr><th>Location</th><th>Capacity</th><th>Quantity of Treated Water (Avg. from Oct'24 to Mar'25)</th><th>Type of ETP / STP</th></tr><tr><td>LT</td><td>265 KLD</td><td>54.60 KLD</td><td>Activated Sludge</td></tr></table> <p>Summary of ETP treated water analysis results during compliance period as mentioned below.</p> <p>Frequency of Analysis: Once in a month</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>pH</td><td>--</td><td>7.14</td><td>7.64</td><td>7.34</td><td>6.5 – 8.5</td></tr><tr><td>SS</td><td>mg/L</td><td>18.0</td><td>54.0</td><td>32.33</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>580.0</td><td>648.0</td><td>622.0</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>78.4</td><td>92.20</td><td>84.77</td><td>100</td></tr><tr><td>BOD</td><td>mg/L</td><td>23.0</td><td>27.0</td><td>25.17</td><td>30</td></tr><tr><td>Ammonical Nitrogen as NH₃-N</td><td>mg/L</td><td>12.1</td><td>22.4</td><td>18.45</td><td>50</td></tr></table> <p>[§] as per CC&A granted by GPCB</p>		Location	Capacity	Quantity of Treated Water (Avg. from Oct'24 to Mar'25)	Type of ETP / STP	LT	265 KLD	54.60 KLD	Activated Sludge	Parameter	Unit	Min	Max	Average	Perm. Limit [§]	pH	--	7.14	7.64	7.34	6.5 – 8.5	SS	mg/L	18.0	54.0	32.33	100	TDS	mg/L	580.0	648.0	622.0	2100	COD	mg/L	78.4	92.20	84.77	100	BOD	mg/L	23.0	27.0	25.17	30	Ammonical Nitrogen as NH ₃ -N	mg/L	12.1	22.4	18.45	50
Location	Capacity	Quantity of Treated Water (Avg. from Oct'24 to Mar'25)	Type of ETP / STP																																																		
LT	265 KLD	54.60 KLD	Activated Sludge																																																		
Parameter	Unit	Min	Max	Average	Perm. Limit [§]																																																
pH	--	7.14	7.64	7.34	6.5 – 8.5																																																
SS	mg/L	18.0	54.0	32.33	100																																																
TDS	mg/L	580.0	648.0	622.0	2100																																																
COD	mg/L	78.4	92.20	84.77	100																																																
BOD	mg/L	23.0	27.0	25.17	30																																																
Ammonical Nitrogen as NH ₃ -N	mg/L	12.1	22.4	18.45	50																																																

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>The quality of marine water, treated effluents, air emissions and noise levels are being regularly analyzed by NABL accredited and MoEF&CC approved agency.</p> <p>Monitoring and analysis of ETP treated waste is also carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD, Chlorides, and residual chlorine.</p> <p>Please refer Annexure – 5 for detailed analysis reports. Approx. INR 17.27 Lakh is spent for all environmental monitoring activities during the FY 2024-25 for overall APSEZ.</p> <p>It is also noted that GPCB is doing regular site inspection along with wastewater sampling and analysis. Last visit of Regional Office, GPCB was done on 31.01.2025 for Main port and APSEZL has submitted the reply report vide letter dated 04.02.2025. Acknowledgement copy and GPCB Lab Reports are attached as Annexure – 6. GPCB lab report shows all the parameters are well within the permissible limit.</p>
(xii)	Project proponent should prepare and regularly update the disaster management plan from time to time.	<p>Complied.</p> <p>Disaster Management plan to deal with natural disasters such as cyclone, earthquake, flood/heavy rain and tsunami is in place and implemented. Copy of the same was submitted to MoEF & CC along with half yearly compliance report for the period from Apr – 2016 to Sep – 2016.</p>
(xiii)	There should be no withdrawal of ground water in CRZ area, for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers should be installed for regular monitoring for this purpose at appropriate locations on the project site.	<p>Complied.</p> <p>There is no withdrawal of ground water in CRZ area as well as Non-CRZ area for this project. Entire water requirement is sourced from GWIL and desalination plant of APSEZ. Average water consumption for entire APSEZ area is 5.40 MLD during compliance period i.e. Oct'24 to Mar'25.</p> <p>To monitor the ground water quality, bore wells are provided at various location in the port and SEZ areas. Third party analysis of the ground water is being carried out twice a year by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt.</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																																																																																
		<p>Ltd., Vapi. Summary of the same for duration from Oct'24 to Mar'25 is mentioned below. Monitoring Reports are attached as Annexure – 5 for the same.</p> <p>Number of Sampling Locations: 5</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>7.16</td><td>8.24</td><td>7.85</td></tr><tr><td>Salinity</td><td>ppt</td><td>1.00</td><td>3.40</td><td>1.60</td></tr><tr><td>Oil & Grease</td><td>mg/L</td><td>*BDL (MDL:5.0)</td><td>*BDL (MDL:5.0)</td><td>*BDL (MDL:5.0)</td></tr><tr><td>Hydrocarbon</td><td>mg/L</td><td>ND*</td><td>ND*</td><td>ND*</td></tr><tr><td>Lead as Pb</td><td>mg/L</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td></tr><tr><td>Arsenic as As</td><td>mg/L</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td></tr><tr><td>Nickel as Ni</td><td>mg/L</td><td>0.07</td><td>0.09</td><td>0.08</td></tr><tr><td>Total Chromium as Cr</td><td>mg/L</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td></tr><tr><td>Cadmium as Cd</td><td>mg/L</td><td>0.03</td><td>0.04</td><td>0.03</td></tr><tr><td>Mercury as Hg</td><td>mg/L</td><td>*BDL (MDL:0.001)</td><td>*BDL (MDL:0.001)</td><td>*BDL (MDL:0.001)</td></tr><tr><td>Zinc as Zn</td><td>mg/L</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td></tr><tr><td>Copper as Cu</td><td>mg/L</td><td>0.06</td><td>0.11</td><td>0.08</td></tr><tr><td>Iron as Fe</td><td>mg/L</td><td>0.14</td><td>0.59</td><td>0.34</td></tr><tr><td>Insecticides/Pesticides</td><td>µg/L</td><td>ND*</td><td>ND*</td><td>ND*</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1.90</td><td>2.20</td><td>2.08</td></tr></table> <p>ND*= Not Detectable *BDL – Below Detection Limit *MDL – Minimum Detection Limit</p> <p>Please refer Annexure – 5 for detailed analysis reports. Approx. INR 17.27 Lakh is spent for all environmental monitoring activities during the period FY 2024-25 for overall APSEZ, Mundra.</p>	Parameters	Unit	Min	Max	Average	pH @ 25 ° C	--	7.16	8.24	7.85	Salinity	ppt	1.00	3.40	1.60	Oil & Grease	mg/L	*BDL (MDL:5.0)	*BDL (MDL:5.0)	*BDL (MDL:5.0)	Hydrocarbon	mg/L	ND*	ND*	ND*	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	0.09	0.08	Total Chromium as Cr	mg/L	*BDL (MDL:0.05)	*BDL (MDL:0.05)	*BDL (MDL:0.05)	Cadmium as Cd	mg/L	0.03	0.04	0.03	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	0.11	0.08	Iron as Fe	mg/L	0.14	0.59	0.34	Insecticides/Pesticides	µg/L	ND*	ND*	ND*	Depth of Water Level from Ground Level	meter	1.90	2.20	2.08
Parameters	Unit	Min	Max	Average																																																																														
pH @ 25 ° C	--	7.16	8.24	7.85																																																																														
Salinity	ppt	1.00	3.40	1.60																																																																														
Oil & Grease	mg/L	*BDL (MDL:5.0)	*BDL (MDL:5.0)	*BDL (MDL:5.0)																																																																														
Hydrocarbon	mg/L	ND*	ND*	ND*																																																																														
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	0.09	0.08																																																																														
Total Chromium as Cr	mg/L	*BDL (MDL:0.05)	*BDL (MDL:0.05)	*BDL (MDL:0.05)																																																																														
Cadmium as Cd	mg/L	0.03	0.04	0.03																																																																														
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	0.11	0.08																																																																														
Iron as Fe	mg/L	0.14	0.59	0.34																																																																														
Insecticides/Pesticides	µg/L	ND*	ND*	ND*																																																																														
Depth of Water Level from Ground Level	meter	1.90	2.20	2.08																																																																														
(xiv)	The project should not be commissioned till the requisite water supply and electricity to the project are provided by PWD/ Electricity Department.	<p>Complied.</p> <p>Construction activity is already completed and the project is in operation phase. Necessary agreement for supply of electricity is done through MPSEZ Utilities Ltd. (MUL). Copies of agreements were submitted to MoEF&CC along with half yearly compliance report for the period from Apr – 2016 to Sep – 2016.</p>																																																																																
(xv)	Specific arrangements for rainwater harvesting should	Complied.																																																																																

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
	<p>be made in the project design and the rain water so harvested should be optimally utilized. Details in this regard should be furnished to this Ministry's Regional Office at Bhopal within 3 months.</p>	<p>Groundwater recharge cannot be done at the project site since the entire project is in the intertidal / sub tidal areas. Rainwater within project area is managed through storm water drainage.</p> <p>We have installed Rainwater 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 2024-25 Approx. 7.40 ML of rainwater has been recharged to increase the ground water table.</p> <p>We have also connected roof top rainwater 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 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>Our water conservation work is as below. Water Conservation Projects –</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<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 <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. ➤ 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: <ul style="list-style-type: none"> ○ Structures: 209 ○ Ground Water Recharge: Significant ○ Beneficiaries: 1,045 ○ Impact: Enhances groundwater recharge and sustainability.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> ➤ 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. ➤ DRIP IRRIGATION - ENHANCING LIVELIHOODS IN KUTCH: <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>Earlier Completed Activities/Projects:</p> <ul style="list-style-type: none"> • Large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 3 check dams. • Ground recharge activities (pond deepening work for 61 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> New Pond Deepening Under Ajadi ka Amrut Mahotsav done in Goyarsama village Approx Deepening Capacity is 12000 Cum. Roof Top Rainwater Harvesting 145 Nos. (40 Nos. current FY 2022-23) which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family. Recharge Borewell 208 Nos (19 Nos. current FY 2022-23) which is best ever option to direct recharge the soil. Drip Irrigation approx. 1505 Farmers benefitted in coordination with Gujrat Green Revolution Company till date. Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar. Pond Pipeline work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area. Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year. <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>Please refer Annexure – 3 for full details of CSR activities carried out by Adani Foundation in the Kutch region. "The budget allocated for CSR activities for the financial year 2024–25 was INR 1,564.72 lakh and fully spent during FY 2024-25.</p>
(xvi)	The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently.	<p>Complied.</p> <p>Construction activities are completed in accordance with the prevailing laws.</p>
(xvii)	No product other than those permissible in the coastal Regulation Zone Notification, 1991 should be stored in the Coastal	<p>Complied.</p> <p>APSEZ store only those product / cargo within CRZ area, which are permissible as per Coastal Regulation Zone Notification, 1991 & its amendments.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
	Regulation Zone area.	
B. General Condition		
(i)	Construction of the proposed structures should be undertaken meticulously confirming to the existing Central / local rules and regulations including Coastal Regulation Zone Notification 1991 and its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Department / Agencies.	<p>Complied.</p> <p>All construction activities are carried out confirming to the existing rules and regulation and as per the CRZ notification.</p> <p>Required details on No Objection Certificate from Gujarat State Pollution Control Board and applicable consent are as provided in Specific Condition No. 2 above.</p>
(ii)	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation, etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees / mangroves and pollution of water and the surroundings.	<p>Complied.</p> <p>Construction activity is completed and the project is in operation phase.</p> <p>No construction camps were located in CRZ area. Most workers came from nearby villages however, for others; construction camps were located outside CRZ area.</p> <p>All necessary infrastructure and facilities like mobile toilets, safe drinking water, medical health care etc. were provided.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
(iii)	<p>The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper waste water treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise levels etc. must conform to the standards laid down by the competent authorities including the Central / State Pollution Control Board and the Union Ministry of Environment and Forest under The Environment Protection Act, 1986, whichever are more stringent.</p>	<p>Complied.</p> <p>Liquid Effluent & Sewage - It is being treated at ETP/STP plants outside the CRZ area, treated water from ETP/STP is being used for horticultural purposes. Please refer point no xi of the specific conditions above for further details.</p> <p>All attributes of environment viz. air; water; soil and noise are being regularly analyzed by NABL and MoEF&CC accredited agency M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Please refer Annexure – 5 for detailed analysis report.</p> <p>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.</p> <p>Non-Hazardous Solid Waste: A well-established system for segregation of dry & wet waste is in place. All wet waste (Organic waste) is being segregated & utilized for compost manufacturing and/or biogas generation for cooking purpose. The compost is further used by in house horticulture team for greenbelt development. Whereas dry recyclable waste is being sorted in various categories. Presently manual sorting is being done for sorting of different types of solid waste. Segregated recyclable materials such as Paper, Plastic, Cardboard, PET Bottles, and Glasses, etc. are then sent to respective recycling units, whereas remaining non-recyclable waste is bailed and sent to cement plant (M/s. Ambuja Cement Ltd., Kodinar) for Co-processing as RDF (Refused Derived Fuel).</p>
(iv)	<p>The proponents should provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned state /central officials during their visits.</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 certified for Zero Waste to Landfill management system is attached as Annexure - 7.</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

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>Waste Treatment Facility namely M/s. Distromed Kutch Services Pvt. Ltd., Bhuj.</p> <ul style="list-style-type: none"> • E – Waste is being sold to GPCB registered recyclers namely M/s. Galaxy Recycling, Rajkot. • Used Batteries are being sold to GPCB registered recyclers namely Sabnam Enterprise, Kutch and S K Metal Industries, Rajkot. However, during the compliance period i.e. Oct'24 to Mar'25 no used Batteries waste disposed. • 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. The 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. 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 were being sold to authorized decontamination facility i.e. M/s. Jawrawala Petroleum, Ahmedabad. It is also being reused within organization for filling hazardous waste. • Solid hazardous waste i.e. Tank bottom sludge was being sold to authorized recycler namely M/s. Mundra Oil Pvt. Ltd., Mundra for recycling. • Expired paint materials was being disposed by incineration through common facility i.e. M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau. • Downgrade chemicals generated from cleaning of storage tanks / pipelines were being sold to authorized solvent recovery facilities namely M/s. Acquire Chemicals, Ankleshwar. • Slop Oil received from vessels is treated to separate water and oil particles in Oil Water Separator system. Separated oil from the same was being sold to authorized recycler / reprocessor namely M/s. Western

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																														
		<p>India Petro Chem Ind - Bhavnagar, Aviation Corporation - Kutch & Aroma Petrochem - Bhavnagar and water is sent to ETP for further treatment.</p> <ul style="list-style-type: none">• However, during the compliance period i.e. Oct'24 to Mar'25 there was no generation and disposal of used battery waste, Sludge & Filters contaminated with oil, Tank Bottom sludge, Asbestososes 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 there is no further change.</p> <p>The following table summarizes the waste management practice (from Oct'24 to Mar'25) for different types of wastes at APSEZ:</p> <table><tr><th>Type of Waste</th><th>Waste Description</th><th>Quantity (MT)</th><th>Disposal Method</th></tr><tr><td rowspan="5">Hazardous Waste</td><td>ETP/CETP Sludge</td><td>22.10</td><td>Co-processing at cement industries</td></tr><tr><td>Oily Cotton Waste</td><td>41.43</td><td>Co-processing at cement industries</td></tr><tr><td>Pig Waste</td><td>9.95</td><td>Co-processing at cement industries</td></tr><tr><td>Used / Spent / Waste Oil</td><td>188.34</td><td>Sell to registered recycler</td></tr><tr><td>Total</td><td>261.82</td><td></td></tr><tr><td rowspan="3">Non-Hazardous Waste</td><td>Glass Waste</td><td>13.64</td><td>After recovery sent for recycling / Reuse within premises</td></tr><tr><td>Horticulture Waste</td><td>325.47</td><td>Used for making of manure and utilize for horticulture purpose</td></tr><tr><td>Metal Scrap</td><td>1095.45</td><td>After recovery sent for recycling / Reuse within premises</td></tr></table>	Type of Waste	Waste Description	Quantity (MT)	Disposal Method	Hazardous Waste	ETP/CETP Sludge	22.10	Co-processing at cement industries	Oily Cotton Waste	41.43	Co-processing at cement industries	Pig Waste	9.95	Co-processing at cement industries	Used / Spent / Waste Oil	188.34	Sell to registered recycler	Total	261.82		Non-Hazardous Waste	Glass Waste	13.64	After recovery sent for recycling / Reuse within premises	Horticulture Waste	325.47	Used for making of manure and utilize for horticulture purpose	Metal Scrap	1095.45	After recovery sent for recycling / Reuse within premises
Type of Waste	Waste Description	Quantity (MT)	Disposal Method																													
Hazardous Waste	ETP/CETP Sludge	22.10	Co-processing at cement industries																													
	Oily Cotton Waste	41.43	Co-processing at cement industries																													
	Pig Waste	9.95	Co-processing at cement industries																													
	Used / Spent / Waste Oil	188.34	Sell to registered recycler																													
	Total	261.82																														
Non-Hazardous Waste	Glass Waste	13.64	After recovery sent for recycling / Reuse within premises																													
	Horticulture Waste	325.47	Used for making of manure and utilize for horticulture purpose																													
	Metal Scrap	1095.45	After recovery sent for recycling / Reuse within premises																													

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025																											
			Organic / Food Waste Paper Waste Plastic Waste RDF (Non Recyclable Waste) Rubber Waste Wooden waste Total	563.17 19.91 86.46 191.42 339.14 97.44 2732.10	Converted to Manure for Horticulture use / Biogas for cooking purpose After recovery sent for recycling / Reuse within premises After recovery sent for recycling / Reuse within premises Co-processing at cement industries After recovery sent for recycling / Reuse within premises After recovery sent for recycling / Reuse within premises Other Waste Bio Medical Waste E-Waste Total																								
(v)	In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.	Complied. Ambient Air Quality (twice in a week) and Noise (once in a month) monitoring are being carried out by NABL and MoEF&CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'24 to Mar'25 is mentioned below. Total Ambient Air & Noise Sampling Locations: 5 Nos. <table border="1" data-bbox="690 1745 1433 1890"> <thead> <tr> <th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit^s</th></tr> </thead> <tbody> <tr> <td colspan="6">AAQM</td></tr> <tr> <td>PM₁₀</td><td>µg/m³</td><td>56.80</td><td>85.91</td><td>77.01</td><td>100</td></tr> <tr> <td>PM_{2.5}</td><td>µg/m³</td><td>22.15</td><td>40.91</td><td>30.32</td><td>60</td></tr> </tbody> </table>				Parameter	Unit	Min	Max	Average	Perm. Limit ^s	AAQM						PM ₁₀	µg/m ³	56.80	85.91	77.01	100	PM _{2.5}	µg/m ³	22.15	40.91	30.32	60
Parameter	Unit	Min	Max	Average	Perm. Limit ^s																								
AAQM																													
PM ₁₀	µg/m ³	56.80	85.91	77.01	100																								
PM _{2.5}	µg/m ³	22.15	40.91	30.32	60																								

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025					
		SO ₂	µg/m ³	15.77	34.01	23.75	80
		NO ₂	µg/m ³	18.46	38.46	27.93	80
		Noise	Unit	Leq Min	Leq Max	Leq Ave.	Leq Perm. Limit*
		Day Time	dB(A)	57.3	68.9	64.67	75
		Night Time	dB(A)	58.7	66.4	62.62	70
<p style="text-align: right;"> [§] as per NAAQ standards, 2009 [*] as per CC&A granted by GPCB Values recorded confirms to the stipulated standards. </p> <p>Please refer Annexure – 5 for detailed analysis reports. M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi has an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.</p> <p>Approx. INR 17.27 Lakh is spent for all environmental monitoring activities during the FY 2024-25 for overall APSEZ.</p>							
(vi)	The sand dunes and mangroves, if any, on the site should not be disturbed in any way.	Complied. There are no sand dunes and mangroves within the project area. However, mangrove conservation plan has been developed by NSCSM and same has been submitted. Please refer Condition No. x of specific conditions for further details.					
(vii)	A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	Not applicable at present					
(viii)	The Gujarat Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries center and Collector's Office / Tehsildar's Office for 30 days.	Not Applicable This condition does not belong to project proponent.					

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
(ix)	<p>The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.</p>	<p>Complied.</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 2024-25 is to the tune of INR 1340.21 lakh. Out of which, Approx. INR 1029.51 lakh are spent during the year FY 2024-25. Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 8.</p>
(x)	<p>Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Board by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.</p>	<p>Complied.</p> <p>APSEZL is always extending full support to the regulatory authorities during their visit to the project site.</p> <p>Last visit of Regional Office, GPCB was done on 31.01.2025 for Main port and APSEZL has submitted the reply report vide letter dated 04.02.2025. Acknowledgement copy and GPCB Lab Reports are attached as Annexure – 6. GPCB lab report shows all the parameters are well within the permissible limit.</p> <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</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
		<p>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>Inline to the compliance certification process for getting Environment Clearance of Waterfront Development Plan, IRO- MoEF&CC Gandhinagar has lastly visited the site on 18th to 20th December, 2023 for compliance verification. APSEZ provided all requisite information and documents required by the Regional Officer MoEF&CC). During the said compliance verification visit and as per the compliance certification received, there was no non-compliance observed. Copy of submitted action taken report were submitted as part of compliance report submission for the duration of Oct'23 to Mar'24.</p>
(xi)	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new one for ensuring environmental protection.	<p>Complied.</p> <p>Construction phase is completed and the project is in operation phase. There is no deviation or alteration in project including implementing agency.</p>
(xii)	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Point noted.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
(xiii)	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which should be complied with.	Point noted.
(xiv)	<p>The project proponent should advertise in at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board and may also be seen at the website of the Ministry of Environment & Forests at http://www.envfor.nic.in.</p> <p>The advertisement should be made within seven days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.</p>	Complied
(xv)	The projects proponents should inform regional Office at Bhopal as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities	Complied. The construction phase is completed and the project is in operation phase.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions as per clearance letter	Compliance Status as on 31-03-2025
	and the date of start of land development work.	

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

ANNEXURE – A **Half yearly Compliance report of CRZ recommendation**

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Half yearly Compliance report of CRZ recommendation for the project namely "Development of Multipurpose berth (Terminal – 2) at Mundra Port, Dist. Kutch" issued by DoEF, GOG vide letter no. ENV-10-2005-222-P dated 12th October, 2006.

Sr. No.	Conditions	Compliance Status as on 31-03-2025
Specific Condition		
1	The provision of the CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by the GAPL. No activity in contradiction to the provision of the CRZ Notification shall be carried out by the GAPL.	<p>Complied.</p> <p>Construction activities are completed and the project is in operation phase. All stipulations with respect to the CRZ notification and its subsequent amendments are complied with.</p>
2	All permissions from different Government Departments / agencies shall be obtained by the GAPL before commencing the expansion activities.	<p>Complied.</p> <p>Please refer to specific condition no. 2 of the EC and CRZ clearance above for details upon NOC & CC&A obtained from GPCB.</p> <p>Construction activity is already completed and the project is in operation phase. APSEZ had obtained No Objection Certificate vide GPCB letter No. GPCB/Unit-1/FT-139/11944 dated 27th April 2005.</p>
3	No Dredging and /or reclamation activity shall be carried out in the CRZ area categorized as CRZ (i) and it shall have to be ensured that the mangrove habitats and other ecologically important and significant areas are not affected due to any of the project activities.	<p>Complied.</p> <p>Capital dredging or reclamation is carried out in CRZ – 1 (A) area during the compliance period Oct'24 to Mar'25.</p> <p>Total 1.55 MCuM Capital dredging has been carried out during the compliance period Oct'24 to Mar'25. Maintenance dredging is being carried out if required, which is being ensured that there no damage of marine ecology.</p> <p>Please refer to specific condition no. x of the EC and CRZ clearance for mangrove conservation.</p>
4	The dredge material shall be disposed of into pre-designated areas duly identified and got approved	<p>Complied.</p> <p>Total 1.55 MCuM Capital dredging has been carried out during the compliance period Oct'24 to Mar'25.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
	<p>through the Gujarat Coastal Zone Management Authority for which the company shall have to make separate application along with proper EIA indicating the exact location of the dredge material disposal area on the CRZ map of the region prepared by the Space Application Center, Ahmedabad, as there exists best mangrove area in and around Bocha and Navinal islands, which requires to be protected.</p>	<p>Maintenance dredging is being carried out if required, which is being ensured that there no damage of marine ecology. Construction activities are completed and the project is in operation phase. Impact assessment was done for the same and EIA report was submitted to GCZMA and MoEF&CC based on which the final Environmental and CRZ clearance was granted. Detail on study for conservation and monitoring for natural mangrove stands at Mundra is as provided in condition no. 3 above.</p>
5	<p>Massive mangrove plantation activity in at least 1200 ha. Area shall be carried out within a time frame of 5 years commencing from July, 2006 without any delay whatsoever.</p>	<p>Complied.</p> <p>It may be noted that to enhance the marine biodiversity, till date APSEZ has carried out mangrove afforestation in 4140 ha. till Mar'25 Area across the coast of Gujarat. Total expenditure for the same till date is INR 1592.8 lakh.</p> <p>Details on mangroves afforestation & Green belt development carried out by APSEZ till date is annexed as Annexure – 2.</p> <p>Please refer condition no. v of specific conditions (EC & CRZ Clearance) for further details.</p>
6	<p>No effluent or sewage shall be discharged into the sea / creek or in the CRZ area and shall be treated to conform the norms prescribed by the Gujarat Pollution Control Board and would be reused/ recycled within the plant premises.</p>	<p>Complied.</p> <p>Entire quantity of sewage generated is being treated in designated ETP/STPs and treated sewage is used for gardening.</p> <p>Please refer to specific condition no. xi of the EC and CRZ clearance above for more details.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025					
7	All the recommendation and suggestions given by the NIO in its Comprehensive Environment Impact Assessment report for conservation / protection and betterment of environment shall be implemented strictly by the GAPL.	<p>Complied.</p> <p>All the recommendation and suggestions for conservation / protection and betterment of environment given by the NIO in its comprehensive EIA have been implemented. Few examples are provided below.</p> <p>Few Marine EIA recommendations:</p> <table><tr><td>Operational protocols and safety procedure should be printed and freely available to concerned staff. The employees must be adequately trained to inculcate a high level of competence not only in day to day operations but also during emergency situations. Periodic refresher courses must also be organized to maintain the level of their competence.</td><td><p>The company has written the operational protocols and safety procedures as a part of ISO 14001:2015, ISO 45001:2018 and ISO 9001:2015 certifications.</p><p>APSEZ has established training department to impart training to its employees.</p><p>IMO module course organized by OSCT India, ICG & Sea Care Marine Services are conducted & 24 personnel have achieved IMO level 1, 04 personnel have achieved IMO Level 2. Different training modules as Oil Spill, Oil Spill Equipment, Oil spill Management course, Notification exercise, Table Top, Incident are conducted at different frequency.</p></td></tr><tr><td>Temporary colonies of workforce should be located sufficiently away from the HTL with proper sanitation. Adequate arrangement of fuel supply to the workers</td><td>Construction activity is already completed. Most of the construction labours were residing in the nearby villages where all basic facilities are easily available. However, for those residing near the</td></tr></table>		Operational protocols and safety procedure should be printed and freely available to concerned staff. The employees must be adequately trained to inculcate a high level of competence not only in day to day operations but also during emergency situations. Periodic refresher courses must also be organized to maintain the level of their competence.	<p>The company has written the operational protocols and safety procedures as a part of ISO 14001:2015, ISO 45001:2018 and ISO 9001:2015 certifications.</p> <p>APSEZ has established training department to impart training to its employees.</p> <p>IMO module course organized by OSCT India, ICG & Sea Care Marine Services are conducted & 24 personnel have achieved IMO level 1, 04 personnel have achieved IMO Level 2. Different training modules as Oil Spill, Oil Spill Equipment, Oil spill Management course, Notification exercise, Table Top, Incident are conducted at different frequency.</p>	Temporary colonies of workforce should be located sufficiently away from the HTL with proper sanitation. Adequate arrangement of fuel supply to the workers	Construction activity is already completed. Most of the construction labours were residing in the nearby villages where all basic facilities are easily available. However, for those residing near the
Operational protocols and safety procedure should be printed and freely available to concerned staff. The employees must be adequately trained to inculcate a high level of competence not only in day to day operations but also during emergency situations. Periodic refresher courses must also be organized to maintain the level of their competence.	<p>The company has written the operational protocols and safety procedures as a part of ISO 14001:2015, ISO 45001:2018 and ISO 9001:2015 certifications.</p> <p>APSEZ has established training department to impart training to its employees.</p> <p>IMO module course organized by OSCT India, ICG & Sea Care Marine Services are conducted & 24 personnel have achieved IMO level 1, 04 personnel have achieved IMO Level 2. Different training modules as Oil Spill, Oil Spill Equipment, Oil spill Management course, Notification exercise, Table Top, Incident are conducted at different frequency.</p>						
Temporary colonies of workforce should be located sufficiently away from the HTL with proper sanitation. Adequate arrangement of fuel supply to the workers	Construction activity is already completed. Most of the construction labours were residing in the nearby villages where all basic facilities are easily available. However, for those residing near the						

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025	
		<p>should be made to discourage them from using mangroves for firewood.</p>	<p>construction site, infrastructure facilities such as water supply, fuel, sanitation, first aid, ambulance etc. were provided by APSEZ.</p>
		<p>Adequate vigilance is required to adherence of ships to Marpol protocol and related regulations.</p>	<p>During the vessel declaration compliances with respect to Air Pollution and Oil are monitored by the Port Authority. The ships are certified with international certification bodies only after complying with the Marpol protocol.</p>
		<p>Manual Listing Procedure for conducting ship movement operations in the port area must be available to the concerned staff.</p>	<p>Berthing Policy & Tariff Structure is made available for conducting ship movement to the concerned staff and made available on web link www.adaniports.com/pdfs/PIB_06122013.pdf Port Information Booklet is also made available on web link www.adaniports.com/Port_Operations_Port_Tariffs.aspx</p>
8	<p>The construction and operational activities shall be carried out in such a way that there is no negative impact on mangroves and other coastal / marine habitat. The construction activities and dredging shall be carried out only under the constant supervision of the NIO.</p>	<p>Complied.</p> <p>Total 1.55 MCuM Capital dredging has been carried out during the compliance period Oct'24 to Mar'25. Maintenance dredging is being carried out if required, which is being ensured that there no damage of marine ecology.</p> <p>Construction activity is already completed. All operational activities are being carried out in such a way that there are no impacts on the nearby mangroves.</p> <p>Details on mangrove conservation and afforestation are provided against Specific Condition No. 5 above.</p>	

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
9	The GAPL shall strictly ensure that no creeks are blocked due to any activity at Mundra Port and the mangrove habitats are neither disturbed nor destroyed due to any activity.	<p>Complied.</p> <p>As per Marine EIA carried out by NIO in 2008, prominent creek system (main creeks and small branches of creeks) in the study region are: (1) Kotdi (2) Baradimata (3) Navinal (4) Bocha (5) Mundra (Oldest port (Juna Bandar) leading to Bhukhi river).</p> <p>All above creeks are in existence allowing free flow of water and there is no filling or reclamation of any creek area. APSEZL has so far constructed 19 culverts having total length of 54approx. 1100 m with total cost of INR 20 Crores. Three RCC Bridges have been constructed over Kotdi creek with total length of 230 m and cost of INR 10 Crores. Photographs of the same have already been submitted as part of the compliance for the period of Apr'17 to Sep'17.</p> <p>As per the bathymetry study carried out by NCSCM in 2017-18, it can be concluded that there are sufficient depths at the creek mouths and all creek mouths are open allowing flushing of water.</p>
10	The GAPL shall contribute financially for any common study or project proposed that may be proposed by this Department for environmental management / conservation / improvement for the Gulf of Kutch.	<p>Complied</p> <p>As part of the directions given by MoEF&CC vide order dated 18th Sep, 2015, following studies were conducted.</p> <ol style="list-style-type: none"> 1. NCSCM study on comprehensive and integrated plan for preservation and conservation of mangroves and associated creeks in and around APSEZ and the same was submitted to the GCZMA on 04.06.2018. Details of the same were submitted along with half yearly EC Compliance report for the period Apr'19 to Sep'19. The cost of said study was 3.15 Cr, which was incurred by APSEZ. <p>The same was further submitted to GCZMA and MoEF&CC for their examination and recommendation vide (with a copy to MoEF&CC vide letter dated 04.06.2018 & reminder letter vide dated 4th Jan,</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 31-03-2025																																		
		<p>2019). Presentation on the findings of the report was made to GCZMA committee on 4th October 2019 and the recommendation for the same has been received vide email dtd 22nd Sept, 2020 with conditions.</p> <p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities with expenditure.</p> <p>e. Mangrove mapping and monitoring in and around APSEZ – 23.56 Lacs</p> <p>f. Tidal observation in creeks in and around APSEZ – 1.0 Lacs</p> <p>g. 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 is attached as Annexure - 4.</p> <p>h. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25, which was incurred by APSEZ.</p> <p><u>Summary of Conservation of mangroves:</u></p> <table><tr><th>Mangrove mapping Year</th><th>Monitoring Agency</th><th>Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><td></td><td></td><td></td><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td rowspan="2">NCSCM</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>NCSCM</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>GUIDE</td><td>2723</td><td>127</td><td>4.89%</td></tr><tr><td>Total</td><td></td><td>2723</td><td>629</td><td>--</td></tr></table> <p>Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to 2021 (2723 Ha) is 629 Ha (30%).</p>	Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)	Mangrove cover area Increased					Hac.	%	2011	NCSCM	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	NCSCM	2596	256	10.94%	2019 to 2021 till March	GUIDE	2723	127	4.89%	Total		2723	629	--
Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																																	
			Hac.	%																																
2011	NCSCM	2094	-	-																																
2011 to 2016-17		2340	246	11.75%																																
2017 to 2019 till March	NCSCM	2596	256	10.94%																																
2019 to 2021 till March	GUIDE	2723	127	4.89%																																
Total		2723	629	--																																

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025						
		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.As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%.This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction.Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019.The cost of the said study was INR 23.56 Lacs incurred by APSEZ.According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23), the distribution of mangroves in</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.As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%.This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction.Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019.The cost of the said study was INR 23.56 Lacs incurred by APSEZ.According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23), the distribution of mangroves in
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.As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%.This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction.Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019.The cost of the said study was INR 23.56 Lacs incurred by APSEZ.According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23), the distribution of mangroves in						

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 31-03-2025																													
				<p>Kotadi, Baradi mata, Navinal, Bocha and Khari creeks as well as in the Bocha island was studied using LISS IV satellite images for the duration of March 2019 to March 2021.The mangrove cover in the creeks in and around APSEZ showed a positive trend from March 2019 to March 2021, with an overall increase of 52.79 ha (1.9%) compared to the cover during the year 2019. The total mangrove cover during 2019 was 2670 ha which has increased to 2723 ha during the year 2021.</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 2021 (2723 Ha) is 629 Ha (30%).The cost of the said study was INR 23.60 Lacs incurred by APSEZ. <p>Summary of Mangrove mapping and monitoring (from 2011 to 2021):</p> <table><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>2723</td><td>127</td><td>4.89</td></tr><tr><td>Total</td><td>2723</td><td>629</td><td>--</td></tr></table>		Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Hac.	%	2011	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	2596	256	10.94%	2019 to 2021 till March	2723	127	4.89	Total	2723	629	--
Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																													
		Hac.	%																												
2011	2094	-	-																												
2011 to 2016-17	2340	246	11.75%																												
2017 to 2019 till March	2596	256	10.94%																												
2019 to 2021 till March	2723	127	4.89																												
Total	2723	629	--																												
		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																											

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025		
				<p>experience normal tidal 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. 150000 during FY 2024-25. The algal removal report is attached as Annexure – 4.
		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 24 Villages. Project is covering total 15005 Cattels and hence enhancing cattle productivity. Dry Fodder 15,74,250 Kg Green – 51,66,805 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25, 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

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025		
				<p>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.</p> <ul style="list-style-type: none"> Refer CSR report attached as Annexure – 3.
		<p>To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently 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>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 & study work has been completed. Final Mangrove mapping report is awaited from NCSCM.</p> <p>Please refer to specific condition no. x of the EC and CRZ clearance for more details w.r.t. Mangrove conservation action plan.</p> <p>2. A Regional Impact Assessment study to identify impacts of all the existing as well as proposed project activities in Mundra region inline to ToR issued by GCZMA. 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 Apr'19 to Sep'19. The cost of said study was 1.3 Cr, which was incurred by APSEZ.</p> <ul style="list-style-type: none"> 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. 		

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
		<ul style="list-style-type: none"> 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 last half yearly compliance report for the period Oct'20 to Mar'21. Presentation done before GCZMA on 31.10.2021 and 16.02.2021 to discuss proposed EMP of CIA study in detail and way forward. GCZMA, Gandhinagar issued a letter to co-ordinate with various departments in the matter of CIA with Gujarat Pollution Control Board as Nodal Agency vide dated 12th July, 2022. APSEZ submitted the letter to GPCB for detailed deliberation and suitable action / way forward vide letter dated 20th July, 2022. Details are –the same were submitted during compliance period Apr'22 to Sep'22. <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 – 9.</p>
11	The construction debris and/or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	<p>Complied.</p> <p>Construction activity is already completed. Project is in operation phase.</p>
12	The construction camp shall be located outside the CRZ area and the construction labour shall be provided the necessary amenities, including sanitation, water supply & fuel and it shall be ensured that the environmental conditions	<p>Complied.</p> <p>The construction activity of said project is already completed. Project is in operation phase.</p> <p>No construction camps were located in CRZ area. Most workers came from nearby villages however, for others; construction camps were located outside CRZ area.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
	are not deteriorated by the construction labours.	All necessary infrastructure and facilities like mobile toilets, safe drinking water, medical health care etc. were provided.
13	The GAPL shall prepare and regularly update their local Oil Spill Contingency and Disaster Management Plan in for their all activities in Mundra Port consonance with the National Oil Spill and Disaster Contingency Plan and shall submit the same to this department after having it vetted through Indian Coast Guard.	<p>Complied.</p> <p>Oil spill contingency response plan is being updated on regular basis and the same was last updated on 31.07.2022 is in place and implemented. The Oil spill contingency response plan same were submitted during compliance period Apr'22 to Sep'22.</p> <p>Latest Regional Level Pollution Response exercise "SWACHCHH SAMUDRA-NW 2024" was carried out by Indian Coast Guard on 14th - 15th OCT 2024 at Off Vadinar, Gujarat. All participants from various Oil Handling Agencies and Stakeholders (M/S Adani Port & SEZ, Mundra, Indian Oil Corporation LTD, Jamnagar, M/S Nayara Energy LTD VOTL, Vadinar, M/S Reliance Industries LTD, Sikka Jamnagar, M/S Essar Bulk Terminal, Salaya) were participated in this exercise. Details of the same is attached Annexure – 10.</p> <p>For responding to oil spill, the Indian Coast Guard has developed the National Oil Spill Disaster Contingency Plan NOSDCP which has the approval of the Committee of Secretaries and has been in operation since 1996. Oil Spill Contingency Response Plan (OSCRP) prepared by APSEZ is in accordance with the NOSDCP.</p> <p>Disaster Management Plan is updated regularly and the updated DMP was submitted to the MoEF & CC along with half yearly compliance report Apr – 2016 to Sep – 2016.</p> <p>On Site Emergency Response Plan and Crisis Management Plan is in place and implemented. The updated (Aug'23) Onsite emergency plan was submitted during the compliance period Apr'23 to Sep'23.</p>
14	The Gujarat Maritime Board shall expedite for the Vessel Traffic Management System	Point noted.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
	for the Gulf of Kutch and would work out the modus operandi for cost sharing by the different players in the Gulf indicating the GAPL. The GAPL shall contribute for the same as may be decided by the Gujarat Marine Board or any other competent authority for this purpose.	<p>APSEZ is practicing well defined traffic control procedure.</p> <p>A VTMS service for Gulf of Kutch is operated by Directorate General of Lighthouses and Lightships (DGLL), Govt. of India.</p> <p>Marine Control of APSEZ provides traffic update to vessels in Mundra Port Limit on VHF Channel- 77.</p> <p>Arrival and departure information before arrival and departure respectively in Gulf of Kutch is provided to VTMS information cell through agent or by directly sending mail to vtzmanagergulfofkutch@yahoo.com and vtsgok@yahoo.com.</p> <p>Mundra port has subscribed and taking VTMS feed from Kandla from link www.vts.gov.in</p>
15	The GAPL shall bear the cost of the external agency that may be appointed by this Department for supervision / monitoring of proposed activities and the environmental impacts of the proposed activities.	<p>Complied</p> <p>Please refer to condition no. 10 of the CRZ recommendations above for details upon cost incurred for various proposed studies and activities.</p>
General Condition		
16	The ground water shall not be tapped by the GAPL to meet with the water requirement in any case.	<p>Complied.</p> <p>APSEZ does not draw any ground water for the water requirement. Present source of water for various project activities is desalination plant of APSEZ and/or Gujarat Water Infrastructure Limited (GWIL). Average water consumption for entire APSEZ area is 5.40 MLD during compliance period i.e. Oct'24 to Mar'25.</p>
17	The GAPL shall take up massive greenbelt development activities in consultation with Forest and Environment Department.	<p>Complied.</p> <p>APSEZ has consulted Gujarat Institute of Desert Ecology (GUIDE) as they are one of the authorized agencies of Dept. of Forest & Env., Govt. of Gujarat for carrying out mangrove afforestation.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025
		Please refer condition no. v of specific conditions (EC & CRZ Clearance) for further details.
18	The GAPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forests and Environment Department and the District Collector / District Development officer.	<p>Complied.</p> <p>APSEZ performs a large-scale socio-economic upliftment program and shares with FOKIA (Federation of Kutch Industries Association) chaired by District Collector quarterly.</p> <p>APSEZL have provided necessary facilities including health care, education, sanitation, livelihood, drinking water & other infrastructural support to Local community in the region. For further information related to the CRS activities being carried out by Adani Foundation in Mundra region, please refer to specific condition no. 7 of the EC and CRZ clearance above.</p>
19	A separate budget shall be earmarked for the purpose of socio-economic upliftment activities and details thereof shall be furnished to this department as well as the MoEF&CC, GOI from time to time. The details with respect to the expenditure from this budget head shall also be furnished on annual basis.	
20	A separate environment management cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.	<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. The updated Environment Management Cell Organogram was submitted during Apr'24 to Sep'24 compliance period. And there is no further change.</p>
21	Environmental Post Project Monitoring report indicating the changes, if any, with respect to the baseline environmental quality in the coastal and marine environment shall be	<p>Complied.</p> <p>The quality of treated effluent, emission and noise level is being monitored regularly by a MoEF&CC/NABL accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd. Monitoring results are confirming to the applicable norms.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'24 To : Mar'25
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 31-03-2025																																																														
	submitted every year by the GAPL to this department as well as to the MoEF&CC, GOI.	<p>Marine monitoring (Surface, Bottom & Sediment) is being carried out once in a month. Summary of the same for duration from Oct'24 to Mar'25. is mentioned below.</p> <p>Total Sampling Locations & frequency: 09 Nos. (Frequency: Once a month)</p> <table><tr><th rowspan="2">Parameter</th><th rowspan="2">Unit</th><th colspan="3">Surface</th><th colspan="3">Bottom</th></tr><tr><th>Min</th><th>Max</th><th>Avg.</th><th>Min</th><th>Max</th><th>Avg.</th></tr><tr><td>pH</td><td>--</td><td>7.98</td><td>8.34</td><td>8.18</td><td>7.85</td><td>8.12</td><td>8.01</td></tr><tr><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>2.5</td><td>3.4</td><td>2.90</td><td>BDL (MDL 1.0)</td><td>BDL (MDL 1.0)</td><td>BDL (MDL 1.0)</td></tr><tr><td>TSS</td><td>mg/L</td><td>102</td><td>144</td><td>124.02</td><td>80</td><td>128</td><td>101.24</td></tr><tr><td>DO</td><td>mg/L</td><td>6.45</td><td>7.04</td><td>6.77</td><td>6.35</td><td>6.84</td><td>6.63</td></tr><tr><td>Salinity</td><td>ppt</td><td>35.12</td><td>36.34</td><td>35.75</td><td>36.12</td><td>37.35</td><td>36.74</td></tr><tr><td>TDS</td><td>mg/L</td><td>34560</td><td>36642</td><td>35405</td><td>35180</td><td>36720</td><td>36109</td></tr></table> <p>*BDL – Below Detection Limit *MDL – Minimum Detection Limit</p> <p>Please refer Annexure – 5 for detailed analysis reports. Approx. INR 17.27 Lakh is spent for all environmental monitoring activities during the compliance period i.e. FY 2024-25 for overall APSEZ, Mundra.</p>	Parameter	Unit	Surface			Bottom			Min	Max	Avg.	Min	Max	Avg.	pH	--	7.98	8.34	8.18	7.85	8.12	8.01	BOD (3 Days @ 27 °C)	mg/L	2.5	3.4	2.90	BDL (MDL 1.0)	BDL (MDL 1.0)	BDL (MDL 1.0)	TSS	mg/L	102	144	124.02	80	128	101.24	DO	mg/L	6.45	7.04	6.77	6.35	6.84	6.63	Salinity	ppt	35.12	36.34	35.75	36.12	37.35	36.74	TDS	mg/L	34560	36642	35405	35180	36720	36109
Parameter	Unit	Surface			Bottom																																																											
		Min	Max	Avg.	Min	Max	Avg.																																																									
pH	--	7.98	8.34	8.18	7.85	8.12	8.01																																																									
BOD (3 Days @ 27 °C)	mg/L	2.5	3.4	2.90	BDL (MDL 1.0)	BDL (MDL 1.0)	BDL (MDL 1.0)																																																									
TSS	mg/L	102	144	124.02	80	128	101.24																																																									
DO	mg/L	6.45	7.04	6.77	6.35	6.84	6.63																																																									
Salinity	ppt	35.12	36.34	35.75	36.12	37.35	36.74																																																									
TDS	mg/L	34560	36642	35405	35180	36720	36109																																																									
22	The GAPL shall have to contribute financially to support the National Green Corps Scheme being implemented in Gujarat by the GEER foundation, Gandhinagar in consultation with Forests and Environment Department.	<p>Complied.</p> <p>Necessary contribution if require will be provided on hearing from GEER foundation to support NGC scheme.</p>																																																														

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 31-03-2025																					
23	A six monthly report of compliance of the conditions mentioned in this letter shall have to be furnished by the GAPL on a regular basis to this department without fail.	<p>Complied.</p> <p>Six Monthly environment clearance compliance report is being submitted regularly to the concerned authorities.</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 Apr'24 to Sep'24 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 28.11.2024. 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.</p> <p>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>Oct'21 to Mar'22</td><td>30.05.2022</td></tr> <tr> <td>2</td><td>Apr'22 to Sep'22</td><td>30.11.2022</td></tr> <tr> <td>3</td><td>Oct'22 to Mar'23</td><td>30.05.2023</td></tr> <tr> <td>4</td><td>Apr'23 to Sep'23</td><td>29.11.2023</td></tr> <tr> <td>5</td><td>Oct'23 to Mar'24</td><td>29.05.2024</td></tr> <tr> <td>6</td><td>Apr'24 to Sep'24</td><td>29.011.2024</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Oct'21 to Mar'22	30.05.2022	2	Apr'22 to Sep'22	30.11.2022	3	Oct'22 to Mar'23	30.05.2023	4	Apr'23 to Sep'23	29.11.2023	5	Oct'23 to Mar'24	29.05.2024	6	Apr'24 to Sep'24	29.011.2024
Sr. No.	Compliance period	Date of submission																					
1	Oct'21 to Mar'22	30.05.2022																					
2	Apr'22 to Sep'22	30.11.2022																					
3	Oct'22 to Mar'23	30.05.2023																					
4	Apr'23 to Sep'23	29.11.2023																					
5	Oct'23 to Mar'24	29.05.2024																					
6	Apr'24 to Sep'24	29.011.2024																					
24	Any other condition that may be stipulated by this department from time to time for environment protection / management purpose shall also have to be complied with by the GAPL.	<p>Complied.</p> <p>Any other condition stipulated for environment protection / management purpose will be complied by APSEZ.</p>																					

Annexure – 1



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

CCA-Amendment
(WH-141598)

No. PC/CCA-KUTCH- 39(9)/ GPCB ID-17739/

Date: 30/04/2025

To,
M/s. Adani Ports & Special Economic Zone Limited,
Plot no. 169/P,
AT: Navina Island, Mundra,
Tal: Mundra, Dist: Kutch - 370 421.

SUB: Amendment in the consolidated consent & Authorization of the Board.

REF: 1) CCA issued by this office vide order no- **AWH- 117045** dated 14/02/2022 valid up to 20/11/2026.
2) EC to CTE vide order dated **18/06/2021**.
3) Your CCA Amendment Application Inward ID No. **326438** dated **30/01/2025**.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous And Other Waste (Management and Transboundary) Rules, 2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA vide order No. **AWH- 117045** dated 14/02/2022 vide order no. GPCB/CCA-KUTCH-39(7)/ID-17739/625051 dated 09/03/2022.

The Board has right to review and amend the conditions of the said CCA and its amendment orders. Now, considering your application for CCA amendment inward ID No. **326438** dated **30/01/2025**, the said CCA order is amended as below:

1. The order shall be read as CCA amendment Order No.: WH- 141598 Date of Issue: 04/04/2025, valid up to 20/11/2026.
2. The condition no. 2 of the said CCA is amended as below:
 2. The consent shall be valid up to 20/11/2026 for the use of outlet for the discharge of treated effluent and emission due to operation of industrial plant manufacturing following items/ products:

Sr. No.	Product	Existing as per CCA dated 14/02/2022	Total after CCA-Amendment
1	General Cargo Handling	112.8 MMTPA	42 MMTPA regularizing in line with existing port capacity
2	Dry Cargo Handling		
3	Liquid Cargo (Chemical/ products) POC	5 MMTPA	20 MMTPA
4	Container Terminal Handling Operation	5.7 Million TEUs/Annum	7.8 Million TEUs/Annum

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

1. There shall be no change in existing quantity of fuel consumption, flue gas emission & process gas emission stacks, due to CTE-Amendment.
 2. Industry shall comply with Environment Clearance granted by MoEF vide letter no. 10-47/2008-IA-(I) dated 13/08/2024.
 3. Industry shall comply with CRZ Clearance granted by MoEF & CC vide letter no. 10-24/2019-IA-III dated 19/01/2019.
 4. No ground water shall be withdrawal without prior permission from CGWA as per Hon'ble NGT order.
 5. Unit shall obtain fresh water from valid source have permission of the competent authority.
 6. Industry shall renew Public Liability Insurance Policy time to time & submit a copy of the same to this office.
 7. Industry shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
3. The condition no. 3 of the said CCA is amended as below:
- 3.1 Source of Water: -Sea water through desalination & GWIL.
 - 3.2 There shall be no change in existing quantity of industrial water consumption (1254.11 KL/Day), & industrial waste water generation (90.31 KL/Day), due to CCA-Amendment.
 - 3.3 There shall be no change in existing quantity of domestic water consumption (375 KL/Day), & industrial waste water generation (265 KL/Day), due to CCA-Amendment.
 - 3.4 The quantity of the fresh water consumption for gardening purpose shall not exceed 388 KL/Day, due to CCA- Amendment.
 - 3.5 Industry shall operate Effluent Treatment Plant (ETP) adequately so that treated industrial & domestic effluent shall comply with following norms:

PARAMETERS	PRESCRIBED LIMITS
pH	6.5 to 8.5
Temperature	40°C
Colour (Pt. Co. scale) in units	100 units
Total Suspended Solids	100 mg/L
Oil and Grease	10 mg/L
Ammonical Nitrogen	50 mg/L
BOD (3 days at 27o C)	30 mg/L
COD	100 mg/L
Chlorides	600 mg/L
Sulphates	1000 mg/L
Total dissolved solids	2100 mg/L
Percent Sodium	60 %
Phenolic Compounds	1 mg/L
Sulphides	5.0 mg/L
Sodium Absorption Ratio	26

79



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

- 3.6 Treated effluent confirming to above standards shall be discharged on land for gardening / plantation purpose within premises.
- 3.7 Industry shall provide fixed pipeline network with flow meter for even distribution of treated effluent and maintain its record
- 3.8 Domestic effluent shall be treated into ETP along with industrial effluent.
- 3.9 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.

4. The condition no. 5.1 & 5.2 of the said CCA is amended as below:


5.1 Authorization order no. **WH-141598** Date of issue: 04/04/2025.

5.2 **M/s. Adani Port & Special Economic Zone Limited** is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, treatment, storage, transport of hazardous waste on the premises situated at Plot no. 169/P. At: Navinal Island, Mundra, Tal: Mundra, Dist: Kutch;

Sr. No.	Waste	Quantity per Annum		Schedule Category	Facility
		Existing	After CCA- & Amendment		
1.	Used Oil	360 MT	367 MT	I-5.1	Collection, storage, Transportation and disposal to registered recycler or reuse within premises as lubricant.
2.	Waste residue containing oil/ oily rags	150 MT	156 MT	I-33.2	Collection, storage, transportation and disposal by co-processing at cement industries & / or CHWIF site.
3.	Discarded Drums & Containers	16 MT	26 MT	I-33.3	Collection, storage, transportation and disposal by selling out to authorised decontaminator

5. Rest of conditions of Consolidated Consent & Authorization (CC&A) order No: AWH-117045 issued vide this office letter no. GPCB/CCA-KUTCH-39(7)/ID-17739/625051 dated 09/03/2022 shall remain unchanged and industry shall comply with the same judicially.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(T. C. Patel)
Unit Head

Page 3 of 3

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Annexure – 2

Details of Greenbelt Development at APSEZ, Mundra

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

Details of Mangrove Afforestation done by APSEZ

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

Annexure – 3

Annual Report 2024-25

CSR Gujarat
Kutch - Dahej - Hazira

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

CSR





Our Journey by



Mr. Rakshit Shah,
Executive
Director APSEZ

From Pledge to Progress Further,

"As your deed is so is your destiny. The larger an organization gets, the more power its deeds wield and the more power its deeds wield greater becomes its responsibility towards the larger society"

I am happy to share that Adani Foundation continued to make significant strides to elevate the sustainability of our CSR operations. This year We prioritize Livelihood enhancement to 2200+ women and supporting for Drip Irrigation to 1000+ Farmers. We raised the bar through our environmental initiatives, Water Conservation, Terrestrial and Coastal Biodiversity. We are also spreading awareness for reducing paper usage, Reducing emissions through firewood cooking, diesel free village drive at Surat district and increasing the green cover by planting trees. We enhanced the impact of our social initiatives by empowering women through Enhancing skill and Livelihood, increasing gender diversity and improving inclusivity. We are working for socio economic upliftment marginalized community i.e. Primitive Tribes at Bharuch and Surat district and fisherman at Kutchh district.

Our commitment to sustainable CSR operations has earned the trust of our stakeholders and contributed to our success. It has also helped us build a more resilient, sustainable and profitable business. I thank our Adani Foundation Team for their continued support and dedication to our commitment to sustainable CSR practices, as we remain focused on driving long-term value for our stakeholders, and the communities in which we operate.

With best wishes,

Rakshit Shah

CSK KUTCH

Environment Sustainability
Education
Sustainable Livelihood Development
Community Health
Community Infrastructure Development
Community Resource Centre
Swavlamban
Adani Skill Development Centre
Flood relief work
Employee volunteering program
AKBPTL Tuna
AGEL Khavda
AGEL Dayapar & Mandvi
Adani Cement Sanghi
Events
Awards & recognition
Publication
Case Study
Beneficiaries list

TABLE OF CONTENT

CSR DAHEJ

Education
Community Health
Sustainable Livelihood Development
Community Infrastructure Development
Employee volunteering program
Climate Action
Awards & recognition
Case Study
Beneficiaries list

CSR HAZIRA

Environment Sustainability
Education
Sustainable Livelihood Development
Community Health
Community Infrastructure Development
Events
Awards & recognition
VVIP & VIP Visits
Case Study
Beneficiaries list



CSR Kutch

Demographic Details

Block	Villages	No. of HHs	Population
Mundra	61 Village	35192	153179
Anjar	6 Villages	5350	28500
Nakhtrana	22 Villages	14093	36373
Lakhpat	20 Villages	8092	18976
Khavda	22 Villages	8450	35200
Rapar	3 Villages	345	12450
Mandvi	8 Villages	2780	14560
Abdasa	12 Villages	2415	9660

1. Adani Ports and SEZ Limited
2. Adani Power Mundra Limited
3. Adani Wilmar Limited
4. Adani Wilmar – Caster Limited
5. Kutchh Copper Limited
6. Mundra Solar PV Ltd
7. Mundra Petrochem Ltd
8. Adani Kandla Bulk Terminal Private Limited
9. Adani Solar Limited – Bitta, Abdasa
10. Adani Green Energy Limited – Nakhtrana
11. Adani Green Energy Limited - Khavda
12. Adani Energy Solution Limited – Rapar



Environment Sustainability

"Sustain the earth, sustain life"



CLIMATE ACTION

for Environmental
Sustainability

**ADANI
FOUNDATION'S
COMMITMENT
TO A GREENER
FUTURE**



In an era where environmental sustainability is paramount, our commitment to preserving and enhancing the natural world is reflected through our diverse projects. These initiatives not only address critical environmental challenges but also align with the United Nations Sustainable Development Goals (SDGs), ensuring a holistic approach to sustainable development. The Adani Foundation is dedicated to various environmental activities, working on different projects to foster a sustainable future.



Innovative Environmental Solutions for Sustainable future

Adani Foundation is dedicated to environmental sustainability through impactful initiatives that address critical challenges and align with SDGs. Comprehensive efforts in biodiversity conservation, pollution reduction, water conservation, and renewable energy are crucial for fostering a sustainable and environmentally conscious future.



TERRESTRIAL BIODIVERSITY

Project Adani Van "Harit Paryavaran ki Ek Pahel" focuses on afforestation and community involvement, transforming barren lands into thriving forests with **88,303 plants**, enhancing local biodiversity.



COASTAL BIODIVERSITY

The mangrove plantation project at the Luni coastal belt has **created 162 hectares of dense mangrove forests**, providing a new habitat for various species and showcasing the area's ecological richness.



PLASTIC FREE ENVIRONMENT

This initiative educates children about plastic pollution and promotes reducing, reusing, and recycling plastic to foster environmental responsibility.



WATER CONSERVATION

The **SWAJAL project** addresses groundwater depletion in Kutch by constructing rooftop rainwater harvesting systems, benefiting 1,660+ individuals and ensuring access to quality drinking water.



SOLAR PROJECTS

Surya Ghar initiative provides sustainable energy solutions by installing solar panels, significantly reducing electricity costs and promoting environmental sustainability in rural communities.

Terrestrial Biodiversity Conservation

Adani Foundation is dedicated to terrestrial biodiversity conservation through comprehensive environmental initiatives. These efforts aim to enhance green cover, restore ecosystems, and promote community involvement in environmental stewardship. By focusing on large-scale afforestation and community-led green initiatives, the Foundation has significantly contributed to the ecological health and sustainability of various regions.

An overview of Adani Van:

Sr. No.	Year	Village	Acre	Total plants
1	2021-22	Nana Kapaya	2.5	5880
2	2022-23	Partappar	6	23388
3	2023-24	Rashapir	3	5350
4	2023-24	Moti Bhujpur	3	8000
5	2023-24	Desalpar	4	10000
6	2024-25	Nani Khakhar	2	800
7	2024-25	Dhrub	3	5150
8	2024-25	Nani Khakhar	2.5	7006
9	2024-25	Pipari	3	10005
10	2024-25	Borana	4	10304
11	2024-25	Khavda	1	1120
12	2024-25	Sanghi	1	1300
		12 Adani Van	35	88303



Adani Van – Harit Paryavaran ki Ek Pahel

Massive plantation drives to enhance green cover. Transformed barren lands into thriving forests, promoting sustainability.



Biodiversity Enhancement

78 bird species, 4 mammal species, 12 species of insects and reptiles. Significantly enhanced local biodiversity and ecological health.



Prakruti Rath: Community-Led Green Initiatives

Distributed 53,886 saplings, enhancing green cover. Strengthened community connection to nature and empowered environmental stewardship.



Plantation Achievements

Total Plants:

88,303 across 35 acres

Native Species:

70+ species planted



ADANI VAN



HABITAT CREATION

Mangrove plantation has successfully established a new habitat and ecosystem for numerous organisms.

BIODIVERSITY DOCUMENTATION

PhD students from various institutions have **documented over 65 species** from different phyla, showcasing the site's ecological richness.

MANGROVE PLANTATION

A total of **8,22,000 mangroves** have been planted, contributing significantly to coastal protection and biodiversity.

ENHANCED BIODIVERSITY

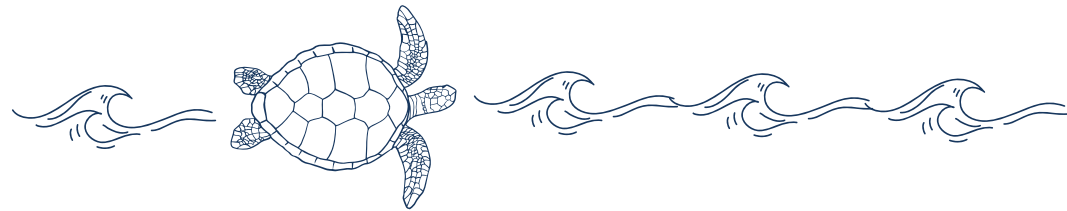
The project has increased the variety of species in the area, supporting a diverse range of flora and fauna.

COASTAL PROTECTION

Mangroves act as natural barriers against coastal erosion and storm surges, protecting the shoreline and nearby communities.

CARBON SEQUESTRATION

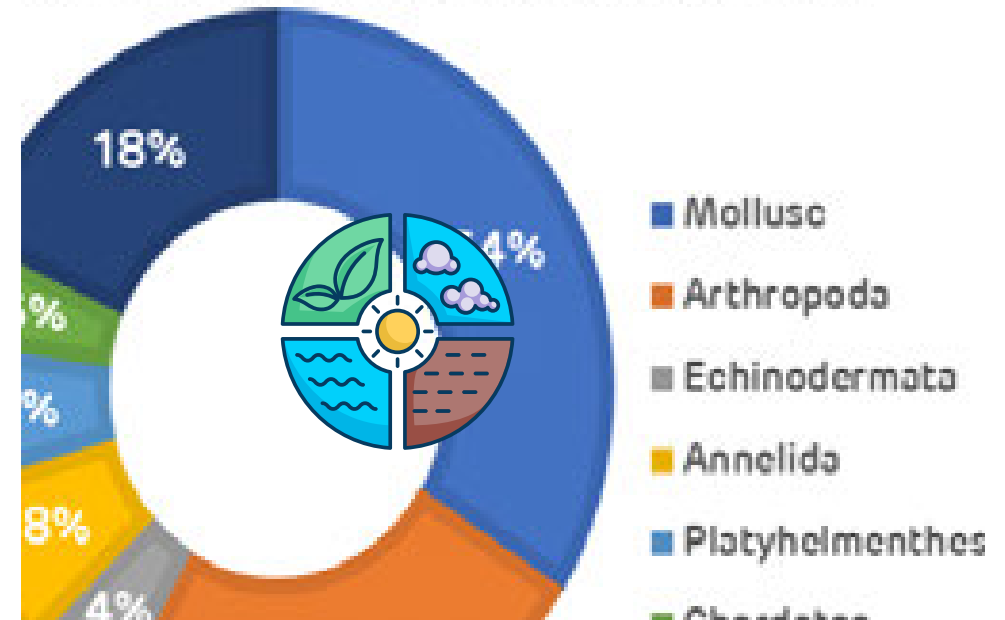
Mangroves play a crucial role in carbon sequestration, helping mitigate climate change by absorbing carbon dioxide from the atmosphere.



COASTAL BIODIVERSITY CONSERVATION

Since 2010, the Adani Foundation has been dedicated to enhancing coastal biodiversity through a mangrove plantation project at the Luni coastal belt. This initiative has resulted in the creation of **162 hectares of dense mangrove forests**, aimed at promoting ecological sustainability and creating new habitats.

COASTAL BIODIVERSITY COMPOSITION



Biodiversity Knowledge & Interpretation Center



Biodiversity & Interpretation Center

The center is dedicated to educating, inspiring, and engaging the community in conserving Gujarat's rich biodiverse.



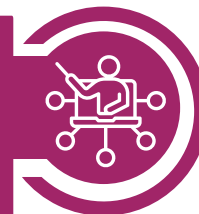
Nursery Development

A nursery of 10,000 mangrove seeds was established at the Luni site with the active participation of local fishermen.



Training Sessions

30+ Employee Training on Biodiversity Conservation at Mundra Petrochem LTD.



Awareness Sessions

An awareness lecture was held at Adani Vidya Mandir, Bhadreshwar, with 50+ students participating.



Workshop on Coastal Conservation

One-day workshop was held with participation of 200+ students of University.





Nurturing A Plastic-free Generation

Adani Foundation is committed to creating a cleaner, plastic-free future through its "Plastic Free Environment" initiative. By focusing on the principles of reduce, reuse, and recycle, the foundation aims to educate children about the harmful effects of plastic pollution on ecosystems. This initiative empowers the younger generation to take proactive steps towards environmental stewardship, through community engagement and educational programs, the Adani Foundation is making significant strides in reducing plastic waste and promoting a healthier planet.

01



Plastic Free Villages

- 2 villages & 8500 individuals targeted
- 50+ local vendors, 70+ women in SHGs 325+ students were aware by sessions

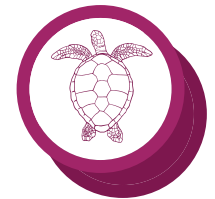
02



Green School Project

- Covering 75+ Schools
- 12000+ Students
- 32000+ Kg Single used plastic recycle at Zero Cost

03



Coastal Cleanup Day

- 200+ students and 80 Uthhan Sahayaks led to the successful cleanup of a 1 km stretch of Kashivishvnath Beach, Mandvi.

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. These efforts are crucial for sustainable water management, agricultural productivity, and community well-being.

Check Dam New/Renovation

- Structures: 29
- Water Capacity Increase: 1,072,332 CUM
- Beneficiaries: 30,870
- Impact: Enhances water storage and irrigation.



Pond Deepening

- Structures: 135
- Water Capacity Increase: 1,028,403 CUM
- Beneficiaries: 18,350
- Impact: Improves water retention and availability.



Rainwater Harvesting Structures (RRWHS)

- Structures: 330
- Water Capacity Increase: 3,300,000 CUM
- Beneficiaries: 1,650
- Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house



Construction of Percolation Wells

- Structures: 26
- Ground Water Recharge: Significant
- Beneficiaries: 3,000
- Impact: Boosts groundwater levels and availability.



Bore/Well Recharge

- Structures: 209
- Ground Water Recharge: Significant
- Beneficiaries: 1,045
- Impact: Enhances groundwater recharge and sustainability.



Construction of New Wells

- Structures: 8
- Purpose: Drinking Water
- Beneficiaries: 9,600
- Impact: Provides reliable drinking water sources.





Surya Ghar Project 100% Solar Village

Adani Foundation, through its CSR initiative, has launched the **Surya Ghar Project to transform 2 villages into 100% solar-powered communities**. This project aims to provide sustainable energy solutions, enhance energy access, reduce reliance on conventional power sources, and promote environmental sustainability while significantly lowering electricity costs for villagers. **The project benefits 4,500+ people.**



Vision & Objectives

- Provide sustainable energy solutions for rural communities.
- Enhance energy access and reduce dependency on conventional power sources.
- Promote environmental sustainability and lower electricity costs.



Implementation & Impact

- Solar panels installed in 2 villages, ensuring 100% solar energy under PM Surya Ghar
- Transformed villages into models of sustainable living.



Financial Impact:

- Electricity bill reduced to Rs. 0 per household.
- Annual savings of Rs. 12,000 per household.
- **Total annual savings of Rs. 90 lakhs for 750 households.**



Environmental Benefits

- Significant reduction in carbon footprint.
- Promotes clean, renewable energy.
- Serves as a replicable model for other rural communities.



Education

“Empowering minds today
for a brighter Tomorrow”



Educational Excellence: Aligned with Adani Foundation's Vision

Project Utthan, an initiative by the Adani Foundation, is dedicated to transforming the educational landscape at the grassroots level. Aligned with the Adani Foundation's vision of fostering sustainable and integrated development, **Utthan aims to enhance the learning abilities and outcomes of students in government primary and high schools.** By adopting a holistic approach, the project addresses various aspects of education, including foundational literacy and numeracy, capacity building for teachers, and active parental engagement.

In line with the National Education Policy (NEP) 2020, Utthan emphasizes the development of cognitive skills, critical thinking, and problem-solving abilities among students. This year, the project has introduced several innovative programs to further its mission. These include **Vedica Maths and Abacus** for improving mathematical literacy and logical thinking, **School Cinema** for value-based education, and the **Children's Toy Foundation Kit** to create a joyful learning environment. Additionally, collaborations with **Secure Nature** and **Oasis** have been established to promote environmental education and foster a love for reading among students.

Through interactive teaching methods, activity-based learning, and digital resources, Utthan continues to make significant strides in improving educational standards and nurturing the holistic development of students. This commitment aligns with the NEP's vision of providing high-quality education to all, thereby contributing to character building and national development.



69 Primary Schools
12 High Schools

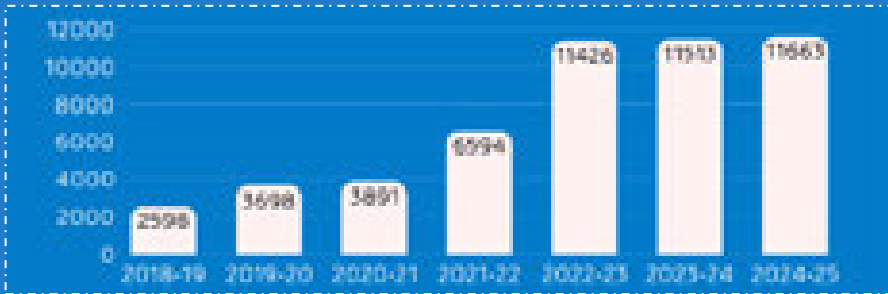


12,000+ 
student's life positively impacted

Utthan's Vision for the Future: Aligning with NEP, SDGs, & Impact Overview

Utthan is revolutionizing government primary education by transforming schools into vibrant centers of learning and development. Through innovative initiatives, Utthan introduces modern teaching methods, state-of-the-art facilities, and engaging co-curricular activities. By actively involving parents, especially mothers, as catalysts in this transformation, Utthan strengthens community bonds and enhances educational outcomes. **These efforts align with the National Education Policy (NEP) 2020 by promoting inclusive, equitable, and quality education, and support the Sustainable Development Goals (SDGs) by fostering lifelong learning opportunities and community engagement.**

Utthan Year wise students' strength



Objectives:



Mainstreaming progressive learners



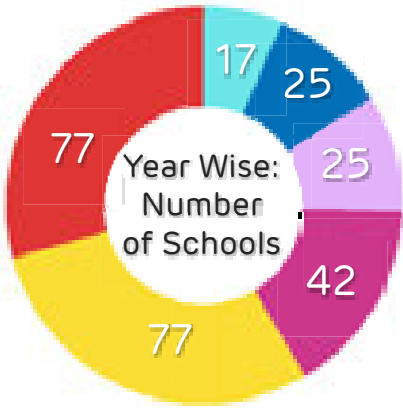
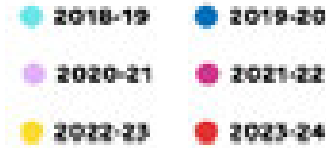
Character building by Co-curriculum activity



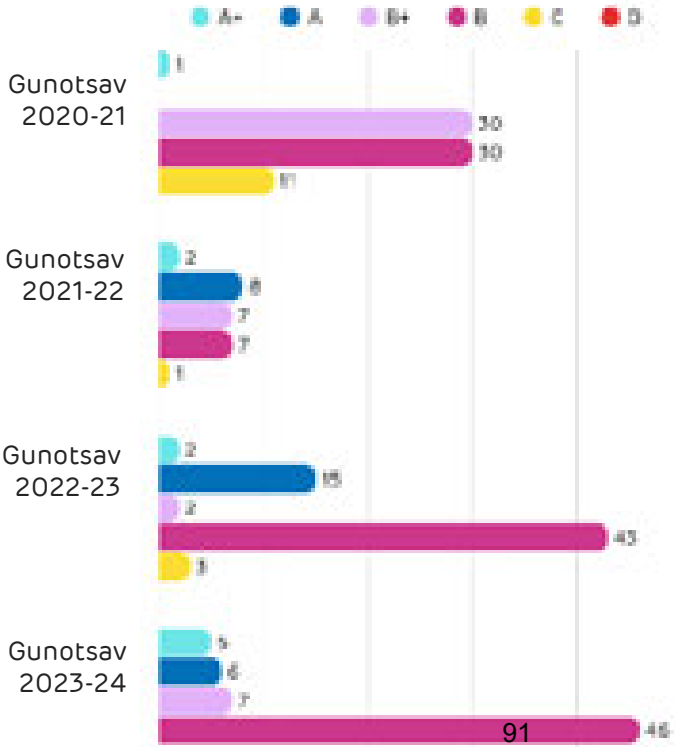
Creating joyful learning spaces



Mothers as catalyst in transformation



Number of Schools in Grades



Progressive learner



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

Library Activity



Conduct library activities on the first and third Saturdays of each month. To increase reading habits, we also planed reading workshops that foster a love for reading among students.

Competitive exam preparation



Prepare students for various competitive exams such as JNV, NMMS, PSE, CET, and Gyan Sadhana. Our efforts include raising awareness about these exams among the community and parents, ensuring students are well-prepared and supported.

IT on Wheels

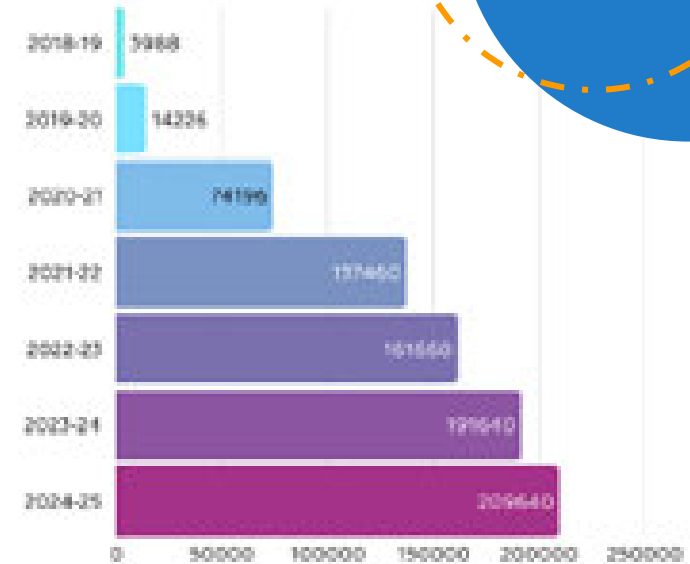


To enhance digital literacy, we introduce "IT On Wheels," a program designed to equip students with essential digital skills crucial for the 21st century. This initiative ensures that students are proficient in using technology, preparing them for future challenges.

Enriched reading corners to develop reading habits

Library books were issued twice a month, and a dedicated reading corner was established in each school to enhance accessibility. Additionally, over 1,000 books and various magazines were provided, and library activities and Oasis Book Reading Workshops were conducted regularly, enriching the reading experience and fostering a love for reading among students.

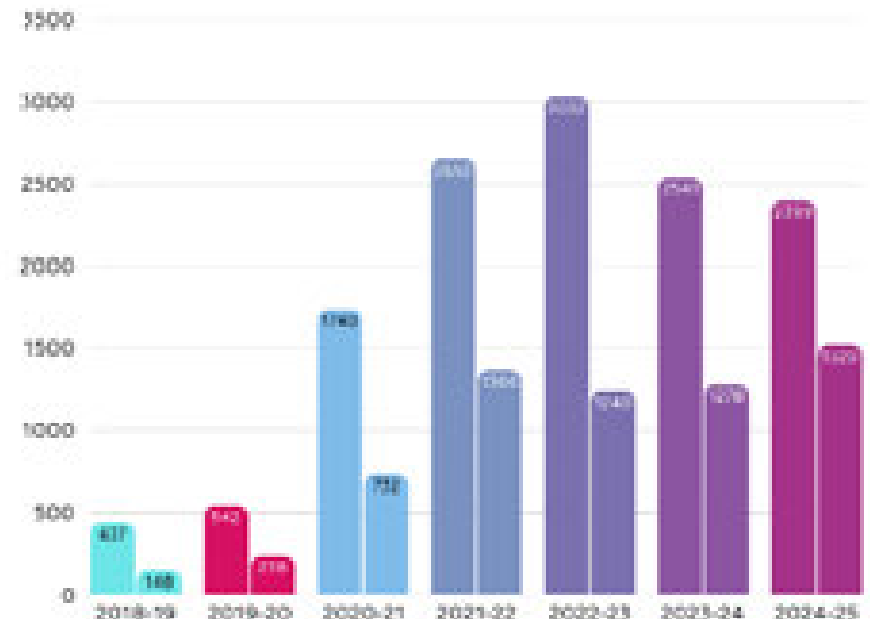
2,09,640
Books issued
between students



Progressive Students Strengthening foundational literacy, numeracy and skills

A total of **6,540** students from Class 3 to 7 were assessed in reading, writing, and math skills, with **2399** students identified as needing additional support. Targeted interventions helped

1,520
students successfully
integrate into regular
academic programs



Utthan's Impact: A Data-Driven Overview of Utthan Initiatives



Environment Education Project

In collaboration with Secure Nature & Green School Competition to educate students about environmental conservation through hands-on activities and projects.

80
Schools
12000+
Students

Adani Competitive Coaching Center

Coaching for various competitive exams, helping students prepare effectively. This includes providing study materials, practice tests, and expert guidance.

27
Schools
5000+
Students

English as Third language

Promote English proficiency as a third language, equipping students with essential communication skills that are crucial for their future academic and professional success.

69
Schools
10000+
Students

Monthly Mother Meetings

Participation of over 18,750 mothers across 750+ meetings. held in the second week of every month, focus on sharing students' progress, engaging mothers through competitions, and providing support through home visits.

80
Schools
15000+
Students

Oasis Reading workshop

Utthan sahayak get training & conduct Oasis Reading Workshops to enhance students' reading habits. These workshops are designed to foster a love for reading through engaging activities and discussions.

700+
Workshop
20000+
Students

Capacity building of teachers

Throughout the year, we plan various training sessions, including special sahayak programs to enhance Vedic Math's and Abacus skills. We also encourage government teachers to participate in these programs

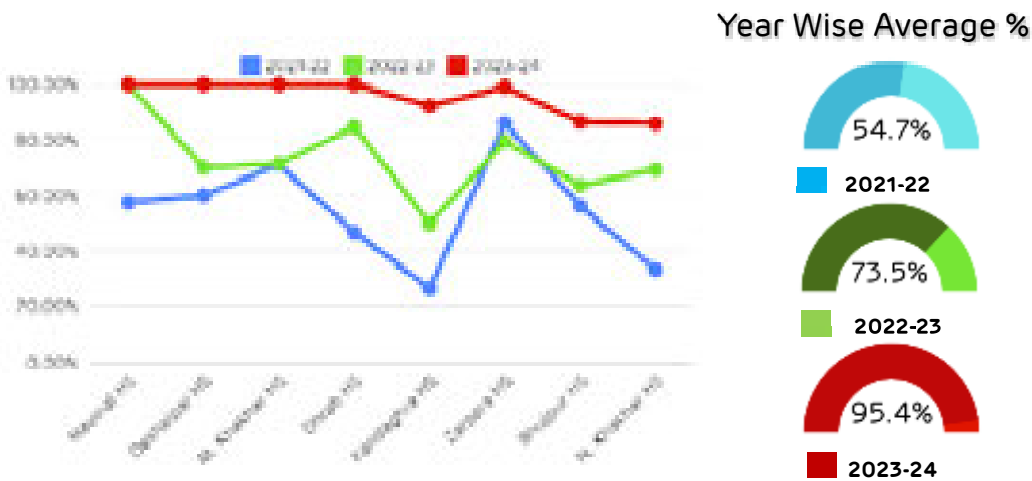
150
Teachers
16000+
Hours

High School Result Comparison

Utthan is dedicated to enhancing board results in high schools by implementing a comprehensive approach that includes both scholastic and co-scholastic activities. These initiatives focus on the holistic development of students, fostering self-growth and significantly improving academic performance.

Yearly Comparison of 10th Board result in 8 High School (HS)

Sr. No.	High School	2021-22	2022-23	2023-24
1	Navinal HS	58%	100%	100%
2	Deshalpar HS	60%	70%	100%
3	M. Khakhar HS	71%	72%	100%
4	Dhrab HS	47%	85%	100%
5	Kandaghra HS	27%	50%	92%
6	Zarpara HS	86%	80%	99%
7	Bhujpur HS	56%	64%	86%
8	N. Khakhar HS	33%	69%	86%



Enhancing Skills: Vedic Maths & Abacus Programs for Students

Implementation

- **Abacus program introduced in 58 primary schools.**
- **Vedic Mathematics program introduced in 8 high schools for class 9 students.**
- Fostered critical thinking and logical reasoning.

Student Participation

- **1,607 students** from classes 5-7 participated in the **Abacus program**.
- **1,302 students** from classes 8-9 participated in the **Vedic Mathematics** program.

Assessment & Certification

- All students completed Level 1 and received a certificate.
- Students who completed Level 2 were also recognized.

Program Impact

- Enhanced students' mathematical skills and problem-solving abilities.
- Increased student interest in mathematics.
- Sahayak participants received certificates, boosting their confidence and motivation.



Key finding of third-party assessment

The Utthan program assessment employed a quasi-experimental, mixed-methods design with pre-post comparisons and stratified random and purposive sampling to evaluate student outcomes, program impact, and sustainability. The sample included 288 intervention students, 96 non-intervention students, 53 Sahayak, 30 head teachers, 30 SMC members, 30 parents, and community members, with data collected through FGDs, SSIs, and KIIs. Univariate and bivariate analyses were conducted, and field notes were transcribed to identify themes. These themes were aligned with objectives and compared to past data to uncover discrepancies and analyze their causes.



More than 90% of the students have achieved proficiency in reading, writing and numeracy skills in Utthan Schools.



Utthan sahayak as catalyst: The introduction of Saha yaks (teacher assistants) ensures personalized student support and bridges gaps between schools and families, fostering greater parental involvement.



Sahayak have mentioned improvements in their classroom management practices, strong and parent and community management and understanding of student child development



97% of students reported improved confidence in leadership and communication and **97% of students in Utthan schools have mentioned interest in attending school.**



Teachers' capacity building : Comprehensive teacher training programs enhance instructional quality, equipping educators with tools to deliver FLN-focused curriculum effectively.



Community engagement through home visits and mothers' meetings, the project strengthens parental accountability and participation, directly influencing students' motivation and performance.



Adani Vidya Mandir, Bhadreshwar

Empowering Futures through Holistic Education

Adani Vidya Mandir, Bhadreswar (AVMB) stands as a beacon of hope and excellence, dedicated to transforming the lives through free and quality education. Aligned with the principles of the National Education Policy (NEP) and the National Accreditation Board for Education and Training (NABET), AVMB is committed to fostering an inclusive and holistic learning environment. The 2024-25 academic year has been a testament to our unwavering dedication to the Sustainable Development Goals (SDGs), particularly Goal 4: Quality Education. AVMB has successfully integrated innovative programs, dynamic student engagement, and comprehensive support systems to ensure that every child receives the best possible education and opportunities for personal growth. These efforts reflect our mission to provide a nurturing environment where students can thrive academically, socially, and emotionally.



Holistic Development & Achievements

Academic and Institutional Developments

- Board exam results showcased excellent student performance, with targeted remedial sessions introduced for continuous improvement.
- The Housekeeping Training Program (May 28) emphasized cleanliness and hygiene maintenance among staff.

Teacher Development and Training

- Teacher Capacity Building Program (June 6) enhanced instructional strategies and curriculum planning.
- NABET Accreditation Training (June 12) ensured compliance with national educational standards.

Technological Advancements

- Inauguration of a New Computer Lab (Sept 27) enhanced digital learning opportunities.
 - AI and Google Gemini Training (Nov 16) prepared educators for modern teaching methodologies.



Cultural and Co-Curricular Activities

- World Book Day (April 23) promoted reading culture through storytelling and book exhibitions.
- International Yoga Day (June 21) emphasized mindfulness and physical wellness.

Student Achievements

- SVS Science Exhibition (Oct 4): AVMB students won first place for their research on screen time and its impact.
- District-Level Science Fair (Dec 9-10): Students represented Mundra Taluka with innovative projects.

Health and Safety Initiatives

- Menstrual Hygiene Awareness Program (June 22) educated girls on personal health and wellness.
- School-Wide Health Check-Up (July 8) ensured early detection of health concerns.

Empowering Minds & Building Futures at AVMB

Environmental and Community Initiatives



- World Mangrove Day (July 25) raised awareness about ecological conservation.
- Fortnight-Long Swachhagrah Drive (Sept 17-30) promoted cleanliness and sustainable habits.

Student Welfare and Community Engagement



- Educational Trips (Dec 3, Feb 18-19) provided real-world learning experiences.
- First Alumni Meet – SANGATH (Oct 26) strengthened ties with former students and inspired current learners.

Sports and Physical Education



- Inter-House Sports Competitions (Jan 3): Events like Kabaddi and Kho-Kho fostered teamwork and discipline.
- Khel Mahakumbh 3.0 (Jan 15): Over 77 students showcased athletic skills in multiple disciplines.

Special Recognitions and Awards



- Best Day-Boarding School Award (NSA 2024) recognized AVMB's commitment to quality education.
- Education Excellence Award (Feb 11) reinforced AVMB's role in empowering underprivileged students.

Teacher Development and Training



- Sanskarotsav Teachers' Training (Nov 12-14) focused on self-development and effective teaching strategies.
- Adobe Express Training (Jan 17) introduced teachers to digital learning tools.

Cultural and Co-Curricular Activities



- Ashadhi Bij Celebration (July 5) and Guru Purnima (July 19) reinforced cultural values.
- Kala Utsav and Kala Mahakumbh Competitions (Dec 6, 23, 24): Students excelled in music, painting, and performing arts.



AVMB: A Year of Outstanding Achievements



AVMB Under-14 and 17 teams both won the Mundra Taluka Level Kho-Kho competitions.



Rathod HardevSinh secured first place in the District Level Athletics Festival at the Taluka level.



A project from AVMB ranked first in the Science Fair at the SVC level and second at the CRC level.



At the QDC level, AVMB students achieved first place in Play Music, Singing, and Bal Kavi competitions.



At the BRC level, AVMB students won first place in Singing, Drawing, and the Group Song Competition



641

Students currently shaping their future through dedicated learning at the schoolents .



1171 students who have embarked on their journeys through AVMB





About Project

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

Vision

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

Mission

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



Total no. of
Schools/Colleges/
Institutes

408

Total no. of
participants

26346





Sustainable Livelihood Projects

“Empowering hands, transforming lives”



SLD - Animal Husbandry

With decreasing rainfall and rising groundwater salinity, traditional farming faces serious challenges. To support farmers and livestock owners, the Adani Foundation has taken proactive steps to strengthen agriculture and animal husbandry in nearby villages.

PASHUDHAN INITIATIVE

This initiative focuses on two key areas:

1. Preventive Health Care
2. Fodder Support



PREVENTIVE HEALTH CARE

Under the Preventive Health Care program, the Foundation, in partnership with the Animal Husbandry Department, organizes regular cattle health camps across 24 villages. These camps provide veterinary check-ups, vaccinations, and treatments for common diseases. Life-saving vaccines, such as those for Foot-and-Mouth Disease (FMD) and Clostridial infections, help ensure long-term immunity and healthier livestock. Additionally, medicines and vaccines are supplied by the Foundation.

These efforts are helping protect livestock health, improve farmers' livelihoods, and build resilience in the community.



Vaccination Camp



14,056

Cattle vaccinated

1460

Deworming tablet distributed

15,000+

Cattle benefited

959

Cattle owner benefited

FODDER SUPPORT

The Adani Foundation's Fodder Support Program plays a crucial role in supporting nearby villages during harsh summers, droughts, and crop failures. To ensure livestock health and community well-being, we provide high-quality dry and green fodder to 24 villages.

Adani Foundation provides good quality dry and green fodder to 24 villages in our vicinity, covering 15,005 cattle of 1500+ Cattle owners.

Grass Land development:

AF converted 5 acres of desolated village common pastureland (Gauchar) into fertile and productive grassland in Zarpara village to transform into Fodder Sustain village with Community participation and responsibility for maintain and Monitoring.

Among that 5 acre of Gauchar land is fenced and sowed with Multispecies Green Fodder with Having Good nutritive value. More than 1500 Cattle will sustain with Improving quality and quantity of milk.



15,74,250kg
Dry Fodder

51,66,805kg
Green Fodder



15,005
Cattle benefited

1500+
Cattle owner benefited



SLD - Fisherfolk Community

Persistent efforts
for Fisherman development



686

Educational Kit
Support



111

Cycle Support
to high school
going students



273

Fisherman Shelter
Support



648

Scholarship
Support



195

Linkage with
Fisheries Scheme



1368

Vehicle transportation
Support



494

Youth
Employment



3534

Ramatotasav
Community
Engagement



56,523

Man-Days
mangrove
plantation



“Fisherfolk Community

holds great importance in Mundra, as they are an integral part of the coastal ecosystem and economy. Recognized as a marginalized group, we are committed to their holistic upliftment through various sustainable livelihood initiatives. Our interventions focus on enhancing their education, improving shelter and transportation facilities, supporting youth employment, and connecting them with government fisheries schemes. Through these continuous efforts, we aim to empower the fisherfolk community and ensure their socio-economic development.

Empowering Fisherfolk Communities through Education



Scholarship Support:

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. This support is helping break the cycle of poverty and create a brighter future for these students and their families.

Vehicle Transportation Facilities:

Ensure seamless access to education for **121 school-going children** from Modhva, Tragadi, and Zarpada Bandar Fisherfolk Students in reaching the nearest School, eliminating barriers to regular attendance. Additionally, personal **cycle support to 5 fisherfolk students**.



Education Kits Support:

Equipping **88 fisherfolk students** in HSC and Graduation with essential tools for academic success, including notebooks, guides, stationeries and study bags, we empower them to pursue their education with no financial barriers.

Job opportunity

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.

Awareness camp on Menstrual health:

A menstrual health awareness camp was organized for **200+ women** from the fishing communities of Modhva and Tragadi villages. The program focused on educating them about menstrual hygiene, PCOD, and menopause management. It promoted healthy practices, offered guidance on managing related health issues, and distributed sanitary products to support their overall well-being.



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.



5000+ Fisherfolk Population are getting benefit which impact on their health and well-being

Daily Water Tanker Support:



- Luni Bander
- Bavdi Bander



SLD - Agriculture

BIOGAS PROJECT

In our ongoing efforts to promote sustainable and eco-friendly farming practices, we have successfully registered 863 farmers from five different talukas in the Kutch district. Each registered farmer will receive financial support of ₹9,000 for the installation of biogas plants on their farms. This initiative aims to provide farmers with a renewable source of energy, reduce dependency on conventional fuels, and improve overall agricultural productivity.



Benefits of Biogas:

Renewable Energy Source

Biogas is a sustainable and renewable energy source that reduces dependence on fossil fuels.

Cost Savings

Farmers save on fuel expenses as biogas can be used for cooking, heating, and electricity generation.

Waste Management

Biogas plants efficiently manage agricultural waste by converting it into useful energy.

Environmental Impact

Biogas reduces greenhouse gas emissions, contributing to climate change mitigation.

Soil Health

The by-product, known as digestate, is a nutrient-rich organic fertilizer that enhances soil fertility.

Improved Livelihoods

Biogas provides farmers with additional income and energy security, improving their overall quality of life.

Key Highlights

863 Farmers

Total Farmer
Registered

Rs. 9000

Financial
Support to each
farmer

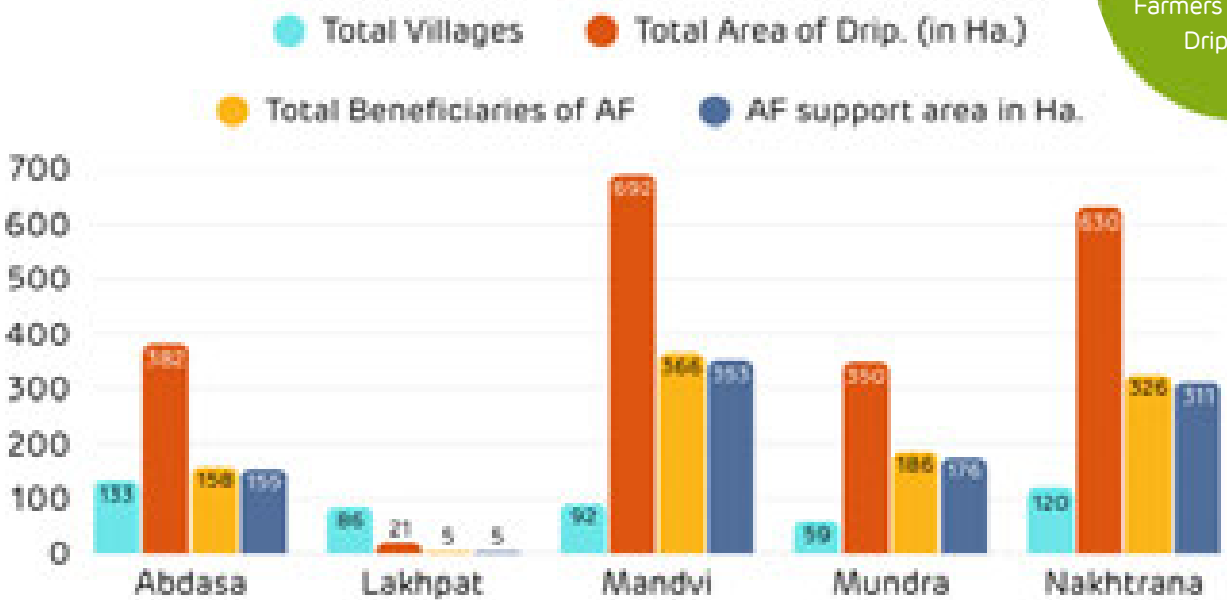
6 Talukas

Geographical
coverage in Kutch

DRIP IRRIGATION: ENHANCING LIVELIHOODS IN KUTCH

The Drip Irrigation Initiative by Adani Foundation promotes efficient water use in farming by providing financial support to farmers for installing drip systems. It helps conserve water, improve crop yield, and encourage sustainable agriculture in Kutch.

Adani Foundation's Drip Support in FY - 2024-25



1041

Farmers connect with
Drip Support

In 2024-25, Adani Foundation supported sustainable water management in Kutch by **Promoting drip irrigation across 490 villages in Abdasa, Lakhpatt, 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.

Natural Farming

As part of our commitment to sustainable agriculture, we have focused on promoting natural farming practices to conserve soil health and enhance environmental sustainability.

Till Date

2,275	226	857
Farmers trained in Natural Farming	Farmers successfully transformed to 100% Natural Farming	Farmers linked with GOG to support cattle welfare scheme



Green Carnival

Organized an annual Green Carnival, providing farmers with a dedicated marketplace to sell their organic produce directly to consumers. This event is hosted by our employee company and attracts many buyers interested in organic products.

Sales Achievements

This year, the Green Carnival was a resounding success, with farmers selling a total of **16,241 kg** of organically grown vegetables and fruits at the event.

Rs. 6,49,640+
Total revenue



SLD - Women Empowerment

The Adani Foundation places women's empowerment at the heart of its initiatives, focusing on skill development, entrepreneurship, and self-reliance. By providing training, essential materials, and market linkages, it creates opportunities for women to enhance their livelihoods. In collaboration with government programs, the foundation strengthens Self-Help Groups (SHGs), promoting savings and sustainable businesses. It also prioritizes women's health and hygiene through targeted awareness initiatives. This holistic approach fosters economic independence, social inclusion, and overall well-being among Women in its project areas.



Self Help Groups

- 88 Self Help Groups in coordination with National Rural Livelihood Mission.
- 920+ Members
- Over Rs.39 Lacs Saving Amount Corpus



Job Sourcing - Govt

- 11 Women supported for application and process of Gram Rakshak Dal, Bank Sakhi, Bima Sakhi and Professional Resource Person.
- Average income Rs.7500 Per Month



Making SHG Self Reliant

- 16 SHG are making strides towards self-reliance. Various handicraft, dry and fresh food making, stitching, tie and die etc.
- 175+ women - Monthly average income @ Rs.7000 of each member/Month



Social Empowerment

- 4 Livelihood Enhancement Training through RSETI
- Financial support for business set up
- Legal rights and domestic violence workshops
- Family counselling for Job sourcing



Job Sourcing - Private

- Coordination for Job by Unnati Portal with Adani Group company companies, Britannia, B Medical and Emphazer company
- 758 Women supported till date for job sourcing.
- Average income Rs.10,800 Per Month



Revenue of each SHG in FY 2024-25

Name of SH activity of SHG/ULG/PPC's	Income 2023-24 (INR)	Cumulative Income (INR)
Sonal Saheli	338700	338700
Sanitary Pad Saheli	25,600	262,266
Tajawal Saheli	149200	4,454,260
Umang Saheli	54300	291100
Madhav Saheli	39600	1493000
Soof Saheli	92000	153000
Meghasthanush Saheli	458000	4850000
Saheli Sew Sahay Juch	105425	902850
Radha Saheli	44500	924918
Shradha Saheli	2600000	5076000
Chamunda Saheli	26900	1755700
Food Sinter Saheli	1755700	2640300
Jyoti Saheli	44199	89199
Pantanganir gya Saheli	467000	1658000
Total	6201124	22443473

"CHETNA"

Initiative with gender diversity

The Adani Foundation, in partnership with Unnati Portal and Adani Solar, launched the "CHETNA" initiative, aimed at promoting gender diversity by creating equal opportunities for women from Kutch to pursue employment and personal development.

Understanding the cultural and social barriers faced by women in the region, the Foundation took proactive steps to mobilize and counsel potential women candidates. Special efforts were made to engage with their parents, addressing concerns and building trust to encourage families to support women's participation in interviews and formal employment. To ensure smooth onboarding, the Foundation also provided travel assistance and interview support. As a result of these focused efforts, today 614 women from Kutch are successfully employed at Adani Solar, marking a significant step towards their economic empowerment and fostering gender diversity in the workforce.

₹ 1.8 Lakhs/annum
12th pass candidates

₹ 2.16 Lakhs/annum
Graduate candidates

Technical Associates

614

Local
female
employees
in Adani
Solar from
Kutch



Highlights of the Work done by our SHG!

Sathwaro'24

Powering Art, Empowering Artisans

3 women SHGs from Adani Foundation Mundra participated in the prestigious Sathwaro Mela at the Belvedere Club, Ahmedabad, showcasing Mud Art, Bead Art, and Soof Art, along with two artisans specializing in Rabari and Doorri work, achieving an impressive turnover of **Rs.1,30,000/-**



New Stitching Centre

Livelihood opportunities for local women

In Vandh Village, by providing advanced stitching and embroidery training, the new stitching center empowers women with skills and employment. Equipped with 11 modern machines, women are producing 5,000 bags, gaining financial independence and professional confidence.

Women empowerment initiative

Adani Foundation is empowering rural women through skill training, exposure visits, and SHG formation, enabling them to achieve financial independence and entrepreneurship.

Skill Training

Stone Dust Art Training

Mud Art Training

Beauty & wellness Training

@ **100+** Local women empowered

Exposure Visit

Visit to Welspun Stitching Centre for women to learn about stitching enterprises

New SHG Formation

"**Madhav Saheli**" a Food service SHG

"**Gopinath Saheli**" a Tailoring SHG

"**Suidhaga**" a Tailoring SHG



MENSTRUAL HYGIENE AWARENESS

Adani Foundation is dedicated to educating and empowering rural girls and women from marginalized communities about menstrual health.

We aim to break negative social stigmas around menstruation and improve their overall well-being.

61

Villages covered

8300+

School girls &
women participated
till now

CELEBRATED INTERNATIONAL WOMEN'S DAY WITH **1,000 LAKHPATI DIDIS**

On 5th March, Adani Foundation celebrated the strength and resilience of women by marking International Women's Day with 1,000 Lakhpatti Didis. The event highlighted the Foundation's ongoing efforts to empower rural women through meaningful livelihood opportunities. Over 614 women have been connected with job opportunities at Adani Solar, while 850+ women entrepreneurs received support to grow their businesses.

Women from across Kutch shared their inspiring journeys of transformation, made possible by the Foundation's initiatives.

The celebration was graced by 9 international ambassadors who applauded the impact of these programs. Chief Guest Manisha Chandra - IAS (Principal secretary, Rural Development) had given motivation speech. Ms. Ami Shah (Director, Adani Public school) had appreciated efforts of Adani foundation and Adani solar for supporting Rural women and opportunities to grow as a technical associates in Adani Solar Mundra.





Community Health

“A healthy community is a strong community”



Community Health

Good health is the foundation of a progressing community. In Kutch, the Adani Foundation is committed to improving healthcare access through partnerships with Adani G.K. General Hospital in Bhuj and Adani Hospital in Mundra.

For over a decade, we have supported communities with Mobile Health Care Units, Rural Clinics, and Ayushman Card linkages.

In response to rising cases of viral, kidney, and orthopedic diseases caused by salinity ingress, we have organized specialized health camps to provide treatment and raise awareness about prevention. By focusing on both preventive and curative healthcare, we strive to ensure long-term well-being and economic stability for the communities we serve.

Hospital 

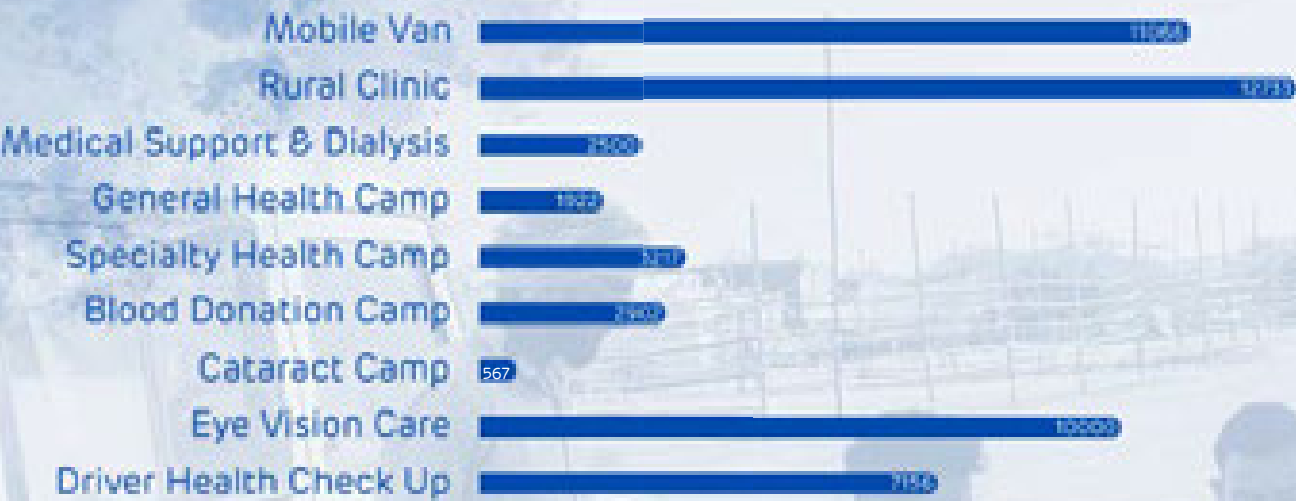
Rural Clinic 

Eye Vision Care 

Mobile Health Care Unit 



Our Service



Adani Hospital Mundra Pvt. Ltd.

OPD	IPD	TOTAL
43183	2419	45602



Mobile Health Care Unit

The Adani Foundation operates Mobile Health Care Units that provide essential healthcare services to 29 villages and 7 fishermen settlements in Kutch. These units are equipped with diagnostic tools for blood pressure, sugar testing, and ECG, along with 90+ lifesaving medicines. By offering affordable healthcare at just ₹20 per visit, the MHUs ensure that primary healthcare reaches even the most remote communities.

11,066
patients benefited



Rural Clinic Services

To enhance healthcare accessibility in rural areas, Rural Clinics have been set up in 5 villages of Mundra and 2 villages of Mandvi Block. These clinics offer regular medical consultations, basic treatments, and preventive care services. They play a crucial role in bringing consistent healthcare support to communities that otherwise have limited access to medical facilities.

12,733
patients benefited





Financial Assistance for Critical Illness

Understanding the burden of life-threatening diseases on economically weaker families, the Foundation provides financial support for patients suffering from heart, liver, kidney diseases, and cancer. In the current year alone, 45,602 patients from Mundra, Mandvi, and Anjar Blocks have received critical medical assistance at Adani Hospital, Mundra, in collaboration with Adani GK General Hospital, Bhuj.

45,602
patients benefited



General Health Camp

It aims to make quality healthcare accessible to underserved communities by providing free consultations and basic medical services. Doctors conducted health check-ups, including blood pressure monitoring, respiratory assessments, and screening for seasonal illnesses. Patients were also provided with necessary medicines on the spot, ensuring timely treatment and care. Such camps play a vital role in promoting health awareness and addressing common health issues in rural areas where access to healthcare is limited.

1922
patients benefited



Specialty Health Camp

It organizes to support focused medical care to rural communities through consultations from specialists such as gynecologists, pediatricians, orthopedists, ophthalmologists, and physicians. The primary objective is to address critical health issues among women and children, particularly during pregnancy, to prevent maternal and infant mortality. Additionally, Specialty Health Camps are organized promptly in response to disease outbreaks in villages, ensuring quick medical support and controlling the spread of illnesses.

3217
patients benefited





Eye Vision Care Initiative

This year, Adani Foundation, in collaboration with Vision Spring, has launched a comprehensive Eye Vision Care program to address uncorrected refractive errors and improve eye health in the community. The initiative focuses on students ("See to Learn"), SHG women ("See to Earn"), and APSEZ drivers ("See to Be Safe"), ensuring better education, livelihood, and road safety. It also promotes "Vision for All" across the community. It is a holistic eye care campaign starting from the process of registration to eyeglass dispensing, and cataract surgery support.

10,000
patients benefited



Menstrual Hygiene Awareness Camps

Promoting health and dignity among adolescent girls and women, menstrual hygiene awareness camps are regularly organized in schools and community centers. These sessions focus on educating participants about menstrual health, hygiene practices, and breaking cultural taboos. Sanitary pads are also distributed to encourage proper menstrual care and improve overall health outcomes for women and girls.



Cataract-Free Mundra Initiative

To combat vision loss among the elderly, the Cataract-Free Mundra campaign has screened 567 individuals at the village level. Patients identified with cataracts are referred to GK General Hospital, Bhuj, for surgery, followed by post-operative care and follow-ups. This initiative has restored vision for many senior citizens, helping them regain independence and quality of life.

68 successful
cataract operations





VisionSpring
See well. Do well.

adani
Foundation

સ્પષ્ટ દૃષ્ટિ ઉજ્જવળ ભવિષ્ય

મફત આંખોનું સ્ક્રીનિંગ અને
ગુણવત્તાશીલ ચશ્મા

ફ્રી હેલ્પલાઇન 1800-1033-55

રવિ શનિવાર સવારે 9:00 થી સાંજે 6:00

તમારો સરકારી ઓળખ પુરાવો સાથે



Facility Highlights of Burn Care Center

- 26 General Beds + 4 ICU Beds.
- Major & Minor OT (Operation Theatres).
- Dressing Room for burn wound management.
- 24x7 Emergency Services.
- Built as per Government District Hospital Standards.



22 LAKH
PEOPLE WILL BE
BENEFITED

**INCREASE THE
SURVIVAL RATES**



Burn & Intensive Care Unit – Adani GK General Hospital, Bhuj

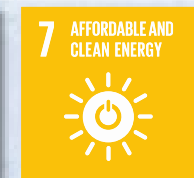
The Adani Foundation, with funding support from Mundra Petrochem Limited (MPL) and Kutch Copper Limited (KCL), has established Kutch's **first-ever Burn & Intensive Care Unit** at Adani GK General Hospital, Bhuj. This state-of-the-art facility addresses a critical healthcare gap in India's largest district, where no specialized burn care previously existed. The center offers immediate and affordable treatment for burn injuries and plastic surgeries, reducing the risk of infections and saving lives by eliminating the need for patients to travel long distances to cities like Ahmedabad or Mumbai.

It is a significant step toward strengthening healthcare infrastructure, benefiting over 22 lakh people in Kutch by providing timely, quality care and easing financial burdens on affected families.



Community Infrastructure Development

"Infrastructure that connects, empowers, and sustains"

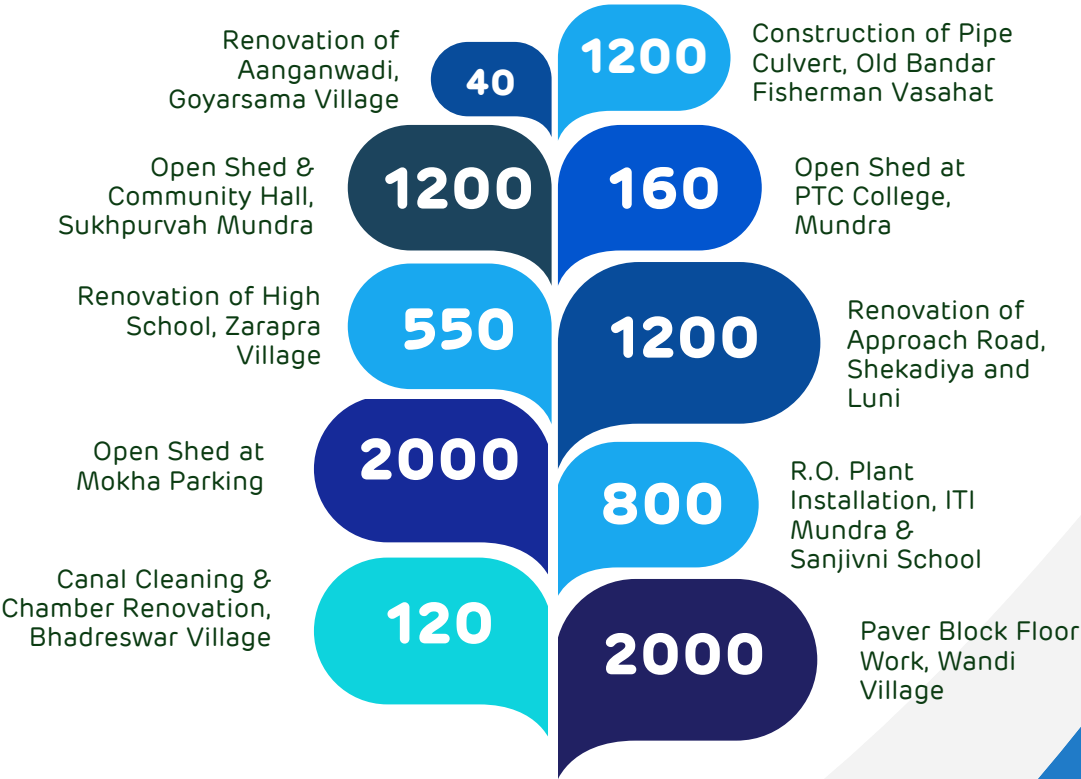


Community Infrastructure Development



The Adani Foundation has been actively engaged in enhancing community infrastructure through various civil development projects, significantly improving the quality of life for residents. Key initiatives include the renovation of educational facilities, the construction of community gathering spaces, and strategic water management solutions. Upgraded schools now provide better learning environments, while newly built community halls and open sheds serve as essential spaces for social and cultural gatherings. Water infrastructure improvements, such as pipe culverts, have mitigated flooding risks and enhanced accessibility. Additionally, the installation of R.O. plants in educational institutions ensures access to clean drinking water. These initiatives align with global sustainability goals, fostering long-term community resilience and inclusive development.

CID projects & its beneficiary's tree



CID - Key Community Infrastructure Developments



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.

1290



Community Gathering Spaces

- Open Shed & Hall, Sukhpurvah Mundra: 1200 people benefited.
- Gathering Place, Wand: 2000 people benefited.
- Open Shed, Mokha Parking: 2000 people benefited.
- Open Shed, Tuna: 600 people benefited.

5800



Infrastructure Improvements

- Pipe Culvert, Old Bandar: 1200 people benefited.
- Box Culvert & CC Road, Zarpara: 12000 people benefited.
- Approach Road, Shekadiya & Luni: 1200 people benefited.
- Approach Road, Vadi Vistar: 800 farmers benefited.

15200



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.

3230



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.

15430

Community Resource Centre

The Community Resource Centre (CRC), located at the Adani Field Office in Baroi, serves as a vital bridge between government schemes and the beneficiaries who need them most. Functioning as a single-window solution, the CRC provides support for online applications and documentation, ensuring that eligible individuals can access various welfare schemes with ease.

Through the facilitation efforts of the Adani Foundation, a total of 2,334 beneficiaries are currently receiving aid under multiple government programs, including Widow Pension, Senior Citizen and Divyang Pension, and the Palak Mata Pita Scheme. This support results in a combined aid of Rs. 3.37 crore monthly.



Rs. 3.37 crore
monthly aid to
2,334
beneficiaries



Government Scheme Facilitation				
Sr. No	Scheme Detail	Gov. Support Rs/Month.	Total Beneficiaries	Total Amount per Month (INR)
1	Widow Pension	1250	762	24785100
2	Bal seva Ayog	2000	49	3430000
3	Divyang pension	1000	35	670000
5	Niradhar Pension	1000	160	4163000
6	Palak Mata Pita	3000	5	696000
7	Bus pas	Free ST	481	
8	Divyang Govt sadhan sahay	-	175	-
9	Divyang certificate	-	667	-
Total			2334	33744100

Swavlamban

"A step towards
inclusivity"

'Mangal Seva' for Divyang Women

What is 'Mangal Seva' initiative?

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



**Under this initiative,
the Adani foundation
has pledged annual
financial assistance of
₹10 lakh to 500
married female
divyangs.**



₹10 lakh support to
500 female divyangs



Impact

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

Advancing Sustainable Mobility: Electric Vehicle Initiative

Adani Foundation has introduced a highly advanced electric vehicle (New Motion Company) support program, a significant step towards sustainable and inclusive mobility.

Advance Electric vehicle support to 48 Divyangs



Livelihood tools support to divyangs

Independence, dignity, and sustainable income opportunities to 50 Divyangs

Through community outreach, 50 beneficiaries were identified and supported through electric tricycles, wheelchairs, and manual tricycles to enhance mobility, along with other livelihood support such as sewing machines, electrician kits, and handcarts to promote self-employment. Customized support ensured tools matched individual needs.



Till date endeavor

AF livelihood support to
1140+ Divyangs

Supported
2104 divyangs
in availing **3144**
Government services



World Divyang Day Celebration - 2024



On the occasion of World Divyang Day, Adani Foundation celebrated the spirit of empowerment at the Swavlamban event held at Gujarat National Law University, Gandhinagar.

The Adani Foundation announced the **support of 1,152 technical kits to divyang students across all ITIs in Gujarat** and showcased its decade-long journey of supporting divyang individuals, particularly in Kutch. As part of this significant event, we also launched the book Swavalamban, which captures the entire journey of the Adani Foundation's initiatives for people with disabilities. The book also features the inspiring case studies of individuals who, with our support, have achieved financial self-sustainability.

Chief guest Bhanuben Babariya (Cabinet minister, Social Justice & Empowerment, Gujarat), along with other dignitaries, praised the Foundation's efforts.

Mr. Jeet Adani sir, Director of Adani Group, emphasized the group's unwavering dedication to empowering divyang persons through sustainable initiatives in areas like education, skill development, and livelihood opportunities.

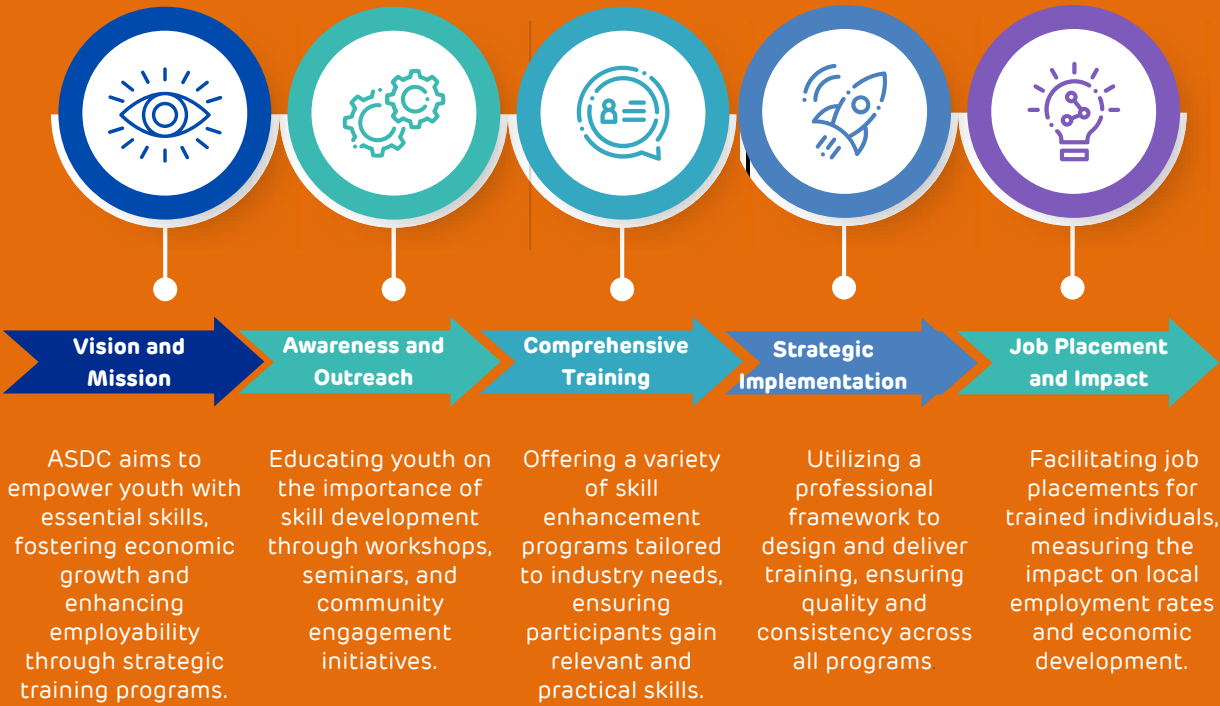


ADANI SKILL DEVELOPMENT CENTER

The Adani Skill Development Center (ASDC) in Bhuj and Mundra is dedicated to creating a future fueled by a skilled and empowered Indian workforce, driving economic growth. Focused on bridging the gap between industry demands and workforce capabilities, ASDC offers high-quality vocational training, fosters innovation, and promotes entrepreneurship. **The center's impact is significant, with 887 students in Bhuj & Mundra, where 70% of participants are female, and 258 technical trainees already placed in diverse roles** such as General Duty Assistant and Domestic Data Entry Operator etc. Six placement drives and 24 guest lectures have further supported career opportunities. In Mundra, courses like RTG Crane Operator, Tally with GST, and Beauty Therapist training have drawn strong participation, especially among women, resulting in 135 placements in beauty therapy alone. By equipping youth with relevant skills, facilitating job opportunities, and empowering women, ASDC plays a vital role in driving inclusive growth, promoting gender equality, and contributing to the region's economic progress.



Catalysts of Change: Empowering Lives, Creating Opportunities



ASDC - MUNDRA

Course Name	Female	Male	Total
JOC (RTG Crane Operator)	00	140	140
DDEO	30	14	44
Tally with GST	01	00	01
Beauty Therapist	134	00	134
Painting/Drawing Training	06	09	15
German Language	02	00	02
Advance Excel	01	10	11
Mud Work	40	00	40
Dori Work	40	00	40
Total	254	173	427

ASDC - BHUJ

Course Name	Female	Male	Total
GDA	140	20	140
DL	07	00	07
EDP – Tie up with CED	40	05	45
Skill Up gradation	90	60	150
Domestic Data Entry Operator	61	01	62
First Aid	31	05	36
Total	369	91	460



Empowering Skills for a Brighter Future

01 RTG Crane Operation

Essential for port operations, ensuring safe and efficient cargo handling.

02

Data & Financial Management

Includes DDEO & Tally with GST, critical for accurate data management and financial compliance.

03

Skill Enhancement Programs

Encompasses all the above programs, ensuring a well-rounded skill set for various industries.

04

Personal Care and Safety

Covers Beauty Therapist and First Aid, important for personal care industry and essential safety knowledge.

05

Artistic and Craftsmanship Development

Includes Painting/Drawing Training, Mud Work, and Dori Work, enhancing creativity and traditional crafts.

06

Language and Software Proficiency

Covers German Language, Advance Excel, and EDP – Tie up with CED, boosting communication and technical skills.



Adani Foundation's Flood Relief Efforts in Mundra Taluka

In late August 2024, Gujarat faced severe flooding caused by a deep depression that intensified into Cyclonic Storm Asna. The Mundra region of Kutch was severely affected by this natural disaster. In response to the critical situation, the Adani Foundation initiated an extensive relief operation to support the communities in Mundra Taluka.



Emergency Food Aid

- 1,000 food packets distributed to stranded truck drivers in the APSEZ area.
- 500 food packets provided to 6 labor colonies, supporting workers and their families.
- 1,000 food packets delivered to the Sub-District Magistrate's office for the local population.
- 1,200 ration kits supplied to the Municipality of Mundra.



Health Care Support

- Medical camps organized to address flood-related health issues.
- 157 patients treated for skin diseases, fever, and cold in labor colonies and affected areas.
- Health awareness sessions conducted to prevent the spread of diseases.



Civil Work & Infrastructure Recovery

- Machinery and logistical support provided to the Municipality and Farmer groups.
- Assistance accelerated debris clearance and infrastructure restoration efforts.

The Adani Foundation's quick response and comprehensive relief efforts provided much-needed support to the people of Mundra Taluka, helping them recover from the devastation caused by the floods. Through food distribution, health care, and civil work, the foundation played a vital role in rebuilding the community.

Employee Volunteer Program

Caring for Thalassemia Children

On the occasion of the Adani Foundation's 28th anniversary, employees came together in a heartfelt gesture to support children battling thalassemia. As part of the Employee Volunteer Program, nutritional kits were distributed to **153 thalassemia patients** on August 11, 2024, bringing comfort and hope to these young fighters. This initiative highlights the power of collective compassion, with employees extending their care beyond the workplace to make a meaningful difference in the lives of vulnerable children.

The event was graced by Mr. Dipeshbhai Shroff (President, Kutch Navnirman Abhiyan) and Mr. Dilipbhai Deshmukh (Social Leader and Organ Donor), who applauded the spirit of volunteerism and community service demonstrated by Adani employees.



Annexure – 4

ALGAL REMOVAL WORK FROM MANGROVE AREAS

Creek area is regularly observed for checking algal encrustations. On the mangrove recruits & where the algal encrustation is found to be substantial, it is removed manually by deployment of required manpower. This operation is performed during the low tide conditions. The main object is to provide better growing condition for the growth of mangroves. Periodically, spread of *Prosopis* sp towards the mangrove areas is also observed as this species will compete with mangrove plants for growth.

Photographs of removal of algal encrustations:



Annexure – 5

MARINE WATER MONITORING SUMMARY REPORT

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	IS 3025(Part 11):2022
2.	Temperature	°C	7.04	6.73	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	35.65	36.71	35.74	36.51	36.02	36.74	36.12	36.81	36.18	36.88	36.22	36.94	APHA 24th Ed., 2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	2.42	2.1	2.32	2.93	2.74	2.58	2.9	2.74	2.74	2.58	2.58	2.26	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	0.391	0.348	0.379	0.31	0.413	0.391	0.348	0.304	0.326	0.304	0.304	0.283	By Calculation
7.	Oil & Grease	mg/L	3.39	3.32	2.59	2.32	3.39	3.26	3.9	3.8	3.59	3.48	3.64	3.53	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	1.37	1.26	1.16	1.05	1.37	1.26	1.05	BDL(MDL :0.4)	1.37	1.16	1.16	1.05	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	6.201	5.768	5.289	5.56	6.543	6.231	7.148	6.844	6.656	6.364	6.524	6.073	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	34820	35760	34620	35420	34840	35510	35130	35720	35140	35746	35160	35780	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	28.3	16.2	20.2	8.1	24	8	20.1	16.1	32	20	28.6	16.3	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	7.04	6.73	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	IS 3025(Part 16):2023
15.	COD	mg/L	35.65	36.71	35.74	36.51	36.02	36.74	36.12	36.81	36.18	36.88	36.22	36.94	IS 3025(Part 58):2023

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	3.06	3.26	3.07	3.24	3.06	3.28	3.07	3.27	3.06	3.26	3.07	3.27	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	7	1.55	8	1.59	9	1.57	8	1.55	7	1.54	6	1.55	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	114	91	112	92	113	91	112	91	114	92	112	91	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Coscinodiscus	Odontella	Nitzschia	Biddulphia	Nitzschia	Biddulphia	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	APHA (24th Ed. 2023)10200A-G
			Diploneis	Rhizosolenia	Diploneis	Rhizosolenia	Pinnularia	Rhizosolenia	Surirella	Pinnularia	Surirella	Pinnularia	Biddulphia	Pinnularia	
			Rhizosolenia	Coscinodiscus	Rhizosolenia	Coscinodiscus	Rhizosolenia	Coscinodiscus	Navicula	Thalassiothrix	Navicula	Thalassiothrix	Navicula	Thalassiothrix	
			Dinophysis	Grammatophora	Dinophysis	Grammatophora	Dinophysis	Grammatophora	Thalassiosira	Grammatophora	Nitzschia	Grammatophora	Nitzschia	Grammatophora	
			Thalassionema	Thalassiosira	Biddulphia	Navicula	Biddulphia	Navicula	Skeletonema	Ceratium	Skeletonema	Ceratium	Skeletonema	Ceratium	
B															
Zooplankton															
1	Abudance(Population)	noX103/100 m3	65		66		67		65		66		64		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Crustacean Larvae		Oikoplura		Oikoplura		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Egg(Fish and Shrimps)		Pinnularia		Pinnularia		Oikoplura		Oikoplura		Oikoplura		
			Copepods		Copepods		Copepods		Copepods nauplii		Copepods nauplii		Copepods nauplii		
			Crustacean		Copepods nauplii		Copepods nauplii		Crustacean		Crustacean		Crustacean		
			Bivalve Larvae		Thalassionema		Thalassionema		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m³	13.66		13.65		13.66		13.67		13.68		13.67		

Continue...

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

SR. NO	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	112		114		112		111		112		114		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	14		13		12		13		12		13		APHA 24 th Ed.2023,9222-B
3	Ecoli	/100ml	9		8		9		8		87		88		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.48	0.44	0.48	0.46	0.49	0.44	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	532.5	542.3	535.3	540.6	562.1	542.5	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.91	3.88	3.92	3.96	3.95	3.98	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	135.2	142.3	146.2	142.4	148.6	152.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	684.2	702.5	686	702.2	690.8	650.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.12	3.94	3.95	3.98	3.91	3.88	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	48.62	44.25	42.3	44.5	46.2	42.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.21	46.35	44.6	48.6	52.1	54.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	111.4	102.5	110.5	114.5	120.5	106.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.41	2.24	2.22	2.29	2.11	1.86	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
3	Population	no/m ²	366	367	368	367	368	367	



Mr. Nilesh Patel
 Sr. Chemist




Mr. Nitin Tandel
 Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.11	8.01	8.09	7.94	8.15	7.99	8.17	8.03	8.15	8.04	8.18	8.08	IS 3025(Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	128	102	142	114	132	102	142	114	130	116	124	106	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.6	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.84	6.53	6.7	6.6	6.62	6.52	6.45	6.35	6.71	6.5	6.57	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.64	36.88	35.28	36.65	35.42	36.72	35.56	36.81	35.67	36.84	35.72	36.89	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	µmol/L	2.26	1.94	2.76	2.59	3.23	3.06	3.39	3.06	3.23	3.06	3.06	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.261	0.239	0.379	0.276	0.37	0.348	0.413	0.391	0.456	0.413	0.413	0.391	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.42	3.32	2.32	1.56	3.42	3.39	4.01	3.9	3.74	3.64	3.64	3.59	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	1.26	1.16	1.37	1.26	1.58	1.47	1.16	BDL(MDL :0.4)	1.05	BDL(MDL :0.4)	1.16	BDL(MDL :0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	5.941	5.499	5.459	4.426	7.02	6.798	7.813	7.351	7.426	7.113	7.113	6.881	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35810	36550	35640	36120	35550	36080	35840	36240	35910	36264	36010	36310	IS 3025(Part 16):2023
15.	COD	mg/L	32.4	20.2	24.2	12.1	27.9	12	32.1	20.1	36	24	32.7	20.4	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.97	2.67	2.98	2.68	2.97	2.69	2.98	2.68	2.97	2.67	2.96	2.66	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.05	2.03	2.06	2.03	2.07	2.04	2.06	2.03	2.07	2.02	2.06	2.01	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	93	148	92	147	91	148	92	147	91	145	92	144	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Thalassiothrix	Pinnularia	Thalassiothrix	Pinnularia	Dinophysis	Pinnularia	Navicula	Thalassiothrix	Surirella	Thalassiothrix	Surirella	Thalassiothrix	APHA (24th Ed. 2023)10200A-G
			Surirella	Biddulphia	Surirella	Biddulphia	Surirella	Biddulphia	Skeletonema	Surirella	Pinnularia	Surirella	Pinnularia	Surirella	
			Navicula	Navicula	Navicula	Navicula	Nitzschia	Navicula	Rhizosolenia	Navicula	Rhizosolenia	Navicula	Melosira	Navicula	
			Thalassiosira	Rhizosolenia	Cyclotella	Rhizosolenia	Cyclotella	Rhizosolenia	Dinophysis	Thalassiosira	Dinophysis	Thalassiosira	Dinophysis	Thalassiosira	
			Skeletonema	Skeletonema	Skeletonema	Thalassiosira	Skeletonema	Thalassiosira	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	

Zooplankton															
1	Abundance (Population)	noX10 ³ / 100 m ³	44	43	44	43	42	41	APHA (24rd Ed. 2023)10200 G						
2	Name of Group Number and name of group species of each group		<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>							
			<i>Copepods</i>	<i>Oikoplura</i>	<i>Nitzschia</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>							
			<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods</i>	<i>Copepods</i>	<i>Copepods</i>							
			<i>Crustacean</i>	<i>Crustacean</i>	<i>Pinnularia</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Copepods nauplii</i>							
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>							
3	Total Biomass	ml/100 m ³	15.2	15.1	15.2	15.2	15.1	15.2							

Continue...

RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'23" E 069°43'75"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C	Microbiological														
1	Total Bacterial Count	CFU/m l	124		126		128		127		128		130		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100m l	35		36		35		36		37		37		APHA 24thEd.2023, 9222-B
3	E.coli	/100m l	13		12		11		10		11		13		IS :15185:2016
4	Enterococcus	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.52	0.48	0.52	0.48	0.41	0.48	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	602.2	582.4	594.2	602.8	596.2	580.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.92	3.84	3.86	3.89	4.04	3.92	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	144.3	135.2	142.3	146.7	138.4	142.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	702.4	672.4	682.6	694.3	702.5	680.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	3.87	4.01	4.06	4.11	4.06	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	42.25	48.65	49.36	50.34	48.2	44.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.65	51.35	52.3	48.36	46.9	44.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	122.5	106.5	110.4	113.4	118.4	104.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.95	2.02	2.12	2.09	2.14	1.96	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Decapods Larvae</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24th Ed. 2023)10500
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Amphipods</i>	
2	MeioBenthos	--	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Decapods Larvae</i>	<i>Herpectacoids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	
			<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
3	Population	no/m ²	302	303	301	302	301	302	



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.21	7.98	8.18	8.03	8.27	8.09	8.23	8.04	8.19	8.09	8.22	8.05	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.9	29.8	29.8	29.7	29.7	29.6	29.8	29.7	29.7	29.6	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	134	106	102	88	110	92	124	88	118	96	126	98	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.94	6.73	6.8	6.7	6.72	6.62	6.65	6.55	6.71	6.6	6.57	6.47	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.29	36.54	35.33	36.12	35.42	36.22	35.62	36.38	35.74	36.52	35.79	36.64	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	μmol/L	2.58	2.26	2.67	2.41	2.42	2.26	3.23	2.9	3.55	3.23	3.39	3.06	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.37	0.326	0.475	0.365	0.326	0.304	0.37	0.326	0.435	0.391	0.456	0.435	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.42	3.26	2.62	2.58	3.59	3.53	3.85	3.8	4.06	3.95	3.8	3.74	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	μmol/L	1.16	1.05	1.26	1.16	1.26	1.05	1.37	1.26	1.47	1.26	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	6.37	5.846	5.765	5.355	6.336	6.094	7.45	7.026	8.045	7.571	7.646	7.235	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35230	36610	35290	36080	35430	36140	35524	36180	35540	36218	35460	36180	IS 3025(Part 16):2023
15.	COD	mg/L	24.3	12.1	16.1	4	20	8	24.1	12	28	16	24.5	12.3	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.42	2.45	2.44	2.47	2.43	2.46	2.42	2.47	2.41	2.48	2.42	2.47	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.66	1.43	1.67	1.42	1.65	1.41	1.66	1.42	1.65	1.41	1.66	1.42	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	156	96	155	97	154	96	155	97	154	98	155	97	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	APHA (24th Ed. 2023)10200A-G
			<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	
			<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	
			<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	
			<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	

B			Zooplankton												
1	Abundance (Population)	noX10 ³ / 100 m ³	43	41	43	41	42	43							
2	Name of Group Number and name of group species of each group		<i>Copepods</i>	<i>Copepods</i>	<i>Rhizosolenia</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>							
			<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Crustacean Larvae</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>							
			<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>							
			<i>Crustacean</i>	<i>Pinnularia</i>	<i>Oikoplura</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Egg(Fish and Shrimps)</i>							
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Thalassionema</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>							
3	Total Biomass	ml/100 m ³	15.4	15.3	15.1	15.1	15.3	15.4							

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	134		136		137		136		138		140		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	31		32		33		31		32		33		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	20		21		22		21		20		22		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.54	0.58	0.62	0.58	0.55	0.58	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	624.2	610.2	611.4	590.5	608.4	598.5	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.95	3.82	3.86	3.94	3.97	4.08	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	143.5	132.4	134.2	128.4	113.5	124.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	546.5	542.2	544.3	536.4	498.6	510.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.05	3.95	3.98	4.08	4.12	3.82	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	35.94	36.25	37.2	38.4	42.44	40.39	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	38.24	34.22	34.35	35.26	36.28	37.88	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.3	108.5	112.4	118.4	122.2	120.21	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.11	1.98	2.03	2.14	2.09	2.14	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D	Benthic Organisms								
1	Macrobenthos	--	Polychates	Polychates	Amphipods	Gastropods	Gastropods	Decapods Larvae	APHA (24th Ed. 2023)10500
			Gastropods	Gastropods	Gastropods	Isopods	Isopods	Isopods	
			Isopods	Isopods	Isopods	Amphipods	Amphipods	Amphipods	
			Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	
2	MeioBenthos	--	Herpectacoids	Herpectacoids	Herpectacoids	Polychates	Polychates	Foraminiferan	
			Polychates	Polychates	Polychates	Herpectacoids	Herpectacoids	Herpectacoids	
3	Population	no/m ²	298	296	298	297	295	294	



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.22	8.06	8.21	8.02	8.22	8.06	8.16	8	8.21	8.04	8.24	8.09	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	122	104	116	94	106	88	128	114	122	108	132	114	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.75	6.55	6.91	6.71	6.76	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.88	36.74	35.64	36.74	35.71	36.81	35.89	36.98	36.02	37.11	36.12	37.18	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	µmol/L	2.1	1.77	3.45	2.59	3.39	3.23	3.23	2.9	3.39	3.06	3.23	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.196	0.174	0.431	0.328	0.391	0.37	0.435	0.391	0.391	0.37	0.456	0.413	APHA 24th Ed.2023,4500NO2B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.32	3.26	2.84	2.62	3.69	3.64	4.11	4.06	4.22	4.11	3.95	3.9	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.26	1.16	1.47	1.37	1.05	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	5.616	5.204	6.721	5.538	7.471	7.24	7.775	7.351	8.001	7.54	7.636	7.213	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35590	36720	35160	35920	35240	36100	35610	36210	36642	36228	36320	36710	IS 3025(Part 16):2023
15.	COD	mg/L	28.3	16.2	20.2	8.1	24	12	28.1	16.1	32	20	28.6	16.3	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.34	3.1	2.33	3.2	2.36	3.1	2.35	3.2	2.36	3.1	2.37	3.2	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.4	5	2.3	6	2.2	7	2.1	8	2.2	9	2.1	8	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	157	87	158	88	157	89	156	88	157	87	156	88	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	<i>Coscino discus</i>	<i>Surirella</i>	<i>Surirella</i>	<i>Surirella</i>	<i>Coscino discus</i>	<i>Surirella</i>	<i>Thalassiosira</i>	<i>Coscino discus</i>	<i>Thalassiosira</i>	<i>Coscino discus</i>	<i>Thalassiosira</i>	<i>Coscino discus</i>	APHA (24th Ed. 2023)10200A-G
			<i>Diploneis</i>	<i>Biddulphia</i>	<i>Diploneis</i>	<i>Biddulphia</i>	<i>Diploneis</i>	<i>Biddulphia</i>	<i>Melosira</i>	<i>Diploneis</i>	<i>Melosira</i>	<i>Diploneis</i>	<i>Melosira</i>	<i>Diploneis</i>	
			<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Thalassiothrix</i>	<i>Coscino discus</i>	<i>Skeletonema</i>	<i>Coscino discus</i>	<i>Nitzschia</i>	<i>Rhizosolenia</i>	<i>Nitzschia</i>	<i>Rhizosolenia</i>	<i>Nitzschia</i>	<i>Rhizosolenia</i>	
			<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Navicula</i>	<i>Thalassiosira</i>	<i>Navicula</i>	<i>Thalassiosira</i>	<i>Rhizosolenia</i>	<i>Dinophysis</i>	<i>Rhizosolenia</i>	<i>Dinophysis</i>	<i>Rhizosolenia</i>	<i>Dinophysis</i>	
			<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Pleurosigma</i>	<i>Thalassionema</i>	<i>Pleurosigma</i>	<i>Thalassionema</i>	<i>Pleurosigma</i>	<i>Thalassionema</i>	

B			Zooplankton												
1	Abundance (Population)	noX10 ³ /100 m ³	37	38	39	38	37	36	APHA (24th Ed. 2023)10200 G						
2	Name of Group Number and name of group species of each group		<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>							
			<i>Copepods nauplii</i>	<i>Rhizosolenia</i>	<i>Rhizosolenia</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Egg(Fish and Shrimps)</i>							
			<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Egg(Fish and Shrimps)</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>							
			<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Copepods nauplii</i>							
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>							
3	Total Biomass	ml/100 m ³	14.26	14.27	14.26	14.25	14.26	14.27							

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	102		103		104		103		102		104		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	42		43		44		42		41		40		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	11		12		11		12		11		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.46	0.43	0.51	0.48	0.42	0.46	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	544.6	541.3	562.2	544.6	562.3	550.2	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.06	3.99	4.02	4.08	4.01	4.09	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	144.5	151.2	142.3	148.6	139.8	146.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	512.4	524.3	530.4	518.6	512.2	521.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.91	3.97	4.03	3.92	3.98	4.06	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	45.6	44.2	45.8	44.2	48.6	44.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.8	49.8	50.6	46.8	48.2	52.36	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	152.3	142.6	148.6	438.5	444.2	435.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.22	2.02	2.11	1.86	1.88	1.96	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	<i>Foraminiferan</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	APHA (24th Ed. 2023)10500
			<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Turbellarians</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Polychates</i>	<i>Turbellarians</i>	<i>Decapods Larvae</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
3	Population	no/m ²	307	306	305	304	303	302	



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.14	7.98	8.21	8.03	8.14	7.98	8.19	8.01	8.24	8.11	8.19	8.03	IS 3025(Part 11):2022
2.	Temperature	°C	30.1	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	132	110	124	104	136	112	126	108	132	112	126	108	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27oC)	mg/L	2.9	BDL(MDL: 1.0)	2.5	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.6	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.84	6.63	6.7	6.6	6.62	6.52	6.65	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.12	36.33	35.19	36.48	35.28	36.52	35.44	36.66	35.56	36.71	35.42	36.74	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO3	µmol/L	2.74	2.42	2.8	2.37	2.9	2.74	3.23	2.9	3.71	3.39	3.55	3.39	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO2	µmol/L	0.283	0.239	0.259	0.189	0.304	0.261	0.348	0.326	0.391	0.37	0.37	0.348	APHA 24th Ed.2023,4500NO2 B
10.	Ammonical Nitrogen as NH3	µmol/L	3.74	3.59	4.05	3.83	3.74	3.69	4.11	4.01	3.95	3.85	4.11	4.06	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO4	µmol/L	1.05	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	1.05	1.05	BDL(MDL: 0.4)	1.16	1.05	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.763	6.249	7.109	6.389	6.944	6.691	7.688	7.236	8.051	7.61	8.03	7.798	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	34840	35980	34560	35230	34620	35180	34980	35640	35060	35710	35140	35742	IS 3025(Part 16):2023
15.	COD	mg/L	16.2	12.1	8.1	4	12	8	16.1	12	20	16	16.3	12.3	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.11	3.16	3.12	3.15	3.13	3.14	3.12	3.13	3.11	3.12	3.12	3.13	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.2	1.21	2.1	1.21	2.2	1.22	2.1	1.21	2.2	1.22	2.1	1.23	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	124	112	123	113	124	112	123	113	122	112	121	113	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Diploneis	Navicula	Diploneis	Navicula	Navicula	Navicula	Navicula	Pinnularia	Navicula	Pinnularia	Navicula	Pinnularia	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	Skeletonema	Rhizosolenia	Skeletonema	Biddulphia	Skeletonema	Biddulphia	Biddulphia	Biddulphia	Biddulphia	Biddulphia	Rhizosolenia	
			Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Navicula	Nitzschia	Navicula	Odontella	Dinophysis	
			Cyclotella	Dinophysis	Cyclotella	Biddulphia	Cyclotella	Biddulphia	Cyclotella	Thalassiosira	Cyclotella	Thalassiosira	Cyclotella	Coscinodiscus	
			Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	

B			Zooplankton						APHA (24rd Ed. 2023)10200 G
1	Abudance (Populati on)	noX10 3/ 100 m3	52	51	52	51	52	51	
2	Name of Group Number and name of group species of each group		<i>Copepods nauplii</i>	<i>Nitzschia</i>	<i>Nitzschia</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	
			<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	
			<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Copepods</i>	<i>Copepods</i>	<i>Copepods nauplii</i>	
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	
		<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>		
3	Total Biomass	ml/100 m³	14.11	14.12	14.11	14.12	14.11	14.12	

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	142		144		144		143		144		148		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	30		31		32		31		32		31		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	16		17		18		17		16		17		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.42	0.48	0.44	0.48	0.52	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	608	612.2	602	586	594.2	612.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.99	4.06	4.02	3.86	4.05	4.11	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	142.6	135.6	144.2	136	142.2	140.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	574.2	602.2	610.8	596.5	614.2	610.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.16	4.03	4.06	3.74	3.86	4.01	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.82	42.1	48.6	46.2	42.5	44.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.9	44.8	52.4	54.3	51.2	55.9	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.3	131.2	142.6	140.5	124.6	103.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.16	2.18	2.09	2.11	2.02	1.75	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Sipunculids</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Gastropods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	
			<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
2	MeioBenthos	--	Decapods Larvae	Decapods Larvae	Foraminiferan	Polychates	Herpectacoids	<i>Herpectacoids</i>	
			<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	
3	Population	no/m ²	306	307	308	307	306	307	



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.05	7.86	8.17	7.98	7.98	7.86	8.26	8.04	8.18	8.06	8.24	8.11	IS 3025(Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	118	90	108	94	114	98	109	86	120	96	118	99	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.73	6.9	6.8	6.82	6.72	6.65	6.55	6.81	6.71	6.66	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.72	36.47	35.64	36.25	35.76	36.35	35.82	36.44	35.74	36.48	35.65	36.49	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.06	2.74	3.23	2.59	3.06	2.9	2.74	2.42	3.23	3.06	3.55	3.23	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.348	0.326	0.293	0.259	0.283	0.261	0.326	0.304	0.348	0.326	0.391	0.37	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.85	3.74	3.97	3.84	3.64	3.59	3.9	3.8	4.16	4.06	3.95	3.9	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	μmol/L	1.16	BDL(MDL: 0.4)	1.16	1.05	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.258	6.806	7.493	6.689	6.983	6.751	6.966	6.524	7.738	7.446	7.891	7.5	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35470	36240	35410	36320	35520	36140	35850	36320	35890	36356	35924	36380	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	16.2	12.1	8.1	16	12	20.1	16.1	24	20	20.4	16.3	IS 3025(Part 58):2023

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.06	2.7	3.07	2.6	3.08	2.7	3.07	2.6	3.06	2.7	3.07	2.6	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.7	1.77	2.6	1.78	2.7	1.77	2.6	1.78	2.7	1.77	2.6	1.76	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	91	121	92	122	91	121	92	122	91	123	92	122	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Nitzschia	Thalassiothrix	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Diploneis	Coscino discus	Diploneis	Coscino discus	Diploneis	Coscino discus	APHA (24th Ed. 2023)10200A-G
			Pinnularia	Surirella	Pinnularia	Surirella	Odontella	Surirella	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	
			Odontella	Navicula	Dinophysis	Navicula	Dinophysis	Navicula	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	
			Surirella	Skeletonema	Surirella	Skeletonema	Cyclotella	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Cyclotella	Thalassionema	

B			Zooplankton												APHA (24rd Ed. 2023)10200 G
1	Abundance (Population)	noX10 ³ / 100 m ³	41	44	43	42	41	42	41	42	41	42	41	42	
2	Name of Group Number and name of group species of each group		<i>Nitzschia</i>	<i>Nitzschia</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	
			<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	
			<i>Odontella</i>	<i>Odontella</i>	<i>Odontella</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	
			<i>Dinophysis</i>	<i>Dinophysis</i>	<i>Dinophysis</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	
			<i>Surirella</i>	<i>Surirella</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	
3	Total Biomass	ml/100 m ³	16.58	16.57	16.58	16.57	16.58	16.57	16.58	16.57	16.58	16.57	16.58	16.59	

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	94		96		98		99		98		96		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	24		26		27		26		27		26		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	13		11		12		11		12		11		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.24	8.08	8.18	8.01	8.06	7.85	8.11	7.95	8.17	7.99	8.14	7.96	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.9	29.8	29.8	29.7	29.7	29.6	29.8	29.7	29.7	29.6	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	128	98	116	84	122	80	128	86	124	104	132	112	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	2.6	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.85	6.65	6.91	6.71	6.76	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.55	36.62	35.62	36.74	35.74	36.82	35.83	36.94	35.75	36.97	35.78	37.02	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	µmol/L	3.23	2.9	3.02	2.59	2.74	2.42	3.06	2.9	2.9	2.58	3.23	3.06	APHA 24th Ed.2023,4500 NO3-
9.	Nitrite as NO ₂	µmol/L	0.348	0.326	0.276	0.215	0.304	0.283	0.391	0.37	0.413	0.37	0.391	0.37	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.95	3.8	3.79	3.36	3.8	3.74	3.9	3.74	4.11	4.01	4.16	4.06	APHA 24th Ed.2023,4500-NH ₃
11.	Phosphates as PO ₄	µmol/L	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.16	1.05	1.37	1.16	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.528	7.026	7.086	6.165	6.844	6.443	7.351	7.01	7.423	6.96	7.781	7.49	APHA 24th Ed.2023,4500 NH ₃ -
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35120	36250	34830	35640	35090	35840	35420	36204	35440	36340	35390	36388	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	12.1	12.1	4	16	8	20.1	12	24	16	20.4	12.3	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.3	3.12	3.2	3.14	3.1	3.12	3.2	3.11	3.1	3.12	3.2	3.11	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.7	1.6	1.8	1.38	1.7	1.8	1.6	1.7	1.7	1.6	1.6	1.7	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	114	107	113	109	114	107	113	106	112	107	113	106	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Odontella	Cyclotella	Odontella	Cyclotella	Odontella	Cyclotella	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	
			Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	
			Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Thalassiothrix	Cyclotella	Thalassiothrix	Cyclotella	Thalassiothrix	Grammatophora	
			Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	32		31		32		31		32		30		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Coscinodiscus		Coscinodiscus		Odontella		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Copepods nauplii		Copepods nauplii		Egg(Fish and Shrimps)		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Dinophysis		Bivalve Larvae		Bivalve Larvae		Crustacean		Crustacean		Crustacean		
			Thalassionema		Thalassionema		Thalassionema		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m³	14.77		14.76		14.77		14.76		14.77		14.78		

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	92		94		10		11		12		16		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	12		13		14		13		12		14		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	11		12		11		10		11		11		IS :15185:2016
4	Enterococcus	/100ml	6		5		6		5		6		5		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.51	0.48	0.52	0.46	0.51	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	578.6	602.4	610.8	598.4	618.4	620.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.12	4.15	4.09	4.12	4.1	4.11	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	138.5	132.2	138.4	146.2	134.6	142.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	602.5	594.2	576.2	608.4	588.5	602.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	3.89	3.48	3.69	3.88	4.03	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.6	42.2	38.9	42.2	44.6	45	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	54.2	52.4	49.9	45.8	48.9	48.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	134	124.2	120.3	115.2	124.3	116.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.38	2.12	2.09	2.14	2.16	1.95	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	<i>Polychates</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	APHA (24th Ed. 2023)10500
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
			<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
3	Population	no/m ²	365	364	366	367	368	367	



Mr. Nilesh Patel
 Sr. Chemist




Mr. Nitin Tandel
 Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.17	7.99	8.24	8.04	8.33	8.12	8.34	8.06	8.27	8.11	8.21	8.02	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	136	120	132	114	144	128	126	102	122	110	118	104	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.6	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.94	6.73	6.8	6.7	6.72	6.62	6.55	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.75	36.81	35.81	36.74	36.08	37.2	36.14	37.35	36.21	37.12	36.34	37.14	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	µmol/L	3.39	3.06	3.36	2.8	3.23	3.06	3.71	3.55	3.55	3.23	3.39	3.23	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.283	0.261	0.328	0.276	0.326	0.283	0.456	0.435	0.435	0.413	0.413	0.391	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.8	3.69	3.62	3.32	3.69	3.64	4.01	3.9	4.27	4.16	4.27	4.11	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	µmol/L	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.26	1.16	1.05	BDL(MDL: 0.4)	1.58	1.37	1.16	BDL(MDL: 0.4)	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.473	7.011	7.308	6.396	7.246	6.983	8.176	7.885	8.255	7.803	8.073	7.731	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35460	36710	35190	35960	35210	35850	35490	36310	35410	36280	35480	36310	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	16.2	12.1	8.1	16	12	20.1	16.1	24	20	20.4	16.3	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.8	2.7	2.7	2.6	2.6	2.7	2.5	2.6	2.6	2.7	2.7	2.8	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.6	1.5	2.7	1.6	2.5	1.5	2.4	1.4	2.3	1.3	2.4	1.2	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	131	119	132	120	133	122	132	121	131	122	132	123	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Dinophysis	Navicula	Odontella	Cyclotella	Cyclotella	Surirella	Odontella	Nitzschia	Odontella	Nitzschia	Odontella	Nitzschia	APHA (24th Ed. 2023)10200A-G
			Pinnularia	Skeletonema	Rhizosolenia	Pinnularia	Pinnularia	Skeletonema	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	
			Thalassiothrix	Rhizosolenia	Coscinodiscus	Skeletonema	Thalassiothrix	Rhizosolenia	Coscinodiscus	Odontella	Coscinodiscus	Odontella	Coscinodiscus	Odontella	
			Grammatophora	Dinophysis	Grammatophora	Thalassiosira	Rhizosolenia	Cyclotella	Grammatophora	Dinophysis	Grammatophora	Dinophysis	Pleurosigma	Dinophysis	
			Ceratium	Thalassionema	Thalassiosira	Thalassionema	Ceratium	Thalassionema	Thalassiosira	Surirella	Thalassiosira	Surirella	Thalassiosira	Surirella	

B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	35		34		33		32		33		31		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Diploneis		Diploneis		Diploneis		Decapoda		Decapoda		Decapoda		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Copepods		Copepods		Oikoplura		
			Nitzschia		Nitzschia		Nitzschia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Coscinodiscus		Coscinodiscus		Crustacean		Crustacean		Bivalve Larvae		
	Pleurosigma		Pleurosigma		Pleurosigma		Oikoplura		Oikoplura		Oikoplura				
3	Total Biomass	ml/100 m³	15.24		15.23		15.22		15.21		15.22		15.21		

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	232		234		236		235		234		234		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	42		41		42		41		42		41		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	30		33		34		33		32		31		IS :15185:2016
4	Enterococcus	/100ml	12		11		12		11		12		11		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.21	8.03	8.12	7.95	8.26	8.09	8.21	8.05	8.24	8.08	8.19	8.04	IS 3025 (Part 11):2022
2.	Temperature	°C	30	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	122	90	110	88	114	90	138	110	132	118	126	104	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.7	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	3.2	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.72	36.58	35.62	36.54	35.94	36.82	36.08	37.21	36.14	37.02	36.25	37.14	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	2.74	2.42	3.45	2.8	3.39	3.23	3.55	3.39	3.87	3.71	3.71	3.55	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.413	0.37	0.345	0.276	0.348	0.326	0.413	0.37	0.478	0.456	0.37	0.348	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.9	3.8	3.28	3.1	3.59	3.53	4.06	3.9	4.27	4.16	4.22	4.16	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	1.37	1.16	1.16	1.05	1.26	1.16	1.26	BDL(MDL :0.4)	1.58	1.47	1.47	1.37	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.053	6.59	7.075	6.176	7.328	7.086	8.023	7.66	8.618	8.326	8.3	8.058	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35460	36140	35510	36140	35430	36100	35760	36420	35680	36450	35720	36520	IS 3025(Part 16):2023
15.	COD	mg/L	24.3	20.2	16.1	12.1	20	16	24.1	20.1	28	24	24.5	20.4	IS 3025(Part 58):2023

Continue...

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

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.2	2.3	2.3	2.2	2.4	2.1	2.3	2.1	2.2	2.2	2.1	2.1	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.16	1.48	1.17	1.47	1.18	1.46	1.17	1.47	1.18	1.48	1.19	1.49	
3.	Cell Count	No. x 10³/L	78	133	77	132	76	131	77	132	78	131	77	132	
4	Name of Group Number and name of group species of each group	--	Ceratiu m	Melosir a	Ceratiu m	Rhizosol enia	Surirell a	Rhizosol enia	Skeleto nema	Odentel la	Skeleto nema	Odentel la	Skeleto nema	Odentel la	
			Pinnula ria	Dinoph ysis	Pinnula ria	Dinoph ysis	Pinnula ria	Dinoph ysis	Gramm atophor a	Rhizosol enia	Gramm atophor a	Rhizosol enia	Gramm atophor a	Rhizosol enia	
			Odontel la	Skeleto nema	Odontel la	Skeleto nema	Gramm atophor a	Skeleto nema	Nitzschi a	Coscino discus	Nitzschi a	Coscino discus	Nitzschi a	Coscino discus	
			Thalassi othrix	Thallass iosira	Thalassi othrix	Thallass iosira	Thalassi othrix	Thallass iosira	Thalassi othrix	Gramm atophor a	Thalassi othrix	Gramm atophor a	Coscino discus	Pinnula ria	
			Thallass iosira	Thalassi onema	Thallass iosira	Melosir a	Rhizosol enia	Melosir a	Pleurosi gma	Thallass iosira	Pleurosi gma	Thallass iosira	Pleurosi gma	Thallass iosira	
B Zooplankton															
1	Abudance (Population)	noX10³/ 100 m³	72		73		72		71		72		71		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Nitzschia		Nitzschia		Nitzschia		Copepods		Copepods		Copepods		
			Grammatophora		Grammatophora		Grammatophora		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Diploneis		Egg(Fish and Shrimps)		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Thalassiothrix		Thalassiothrix		Crustacean		Crustacean		Crustacean		
		Pleurosigma		Pleurosigma		Pleurosigma		Bivalve Larvae		Bivalve Larvae		Egg(Fish and Shrimps)			
3	Total Biomass	ml/100 m³	14.56		14.57		14.58		14.57		14.56		14.57		

Continue...

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

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	256	51			260		262		264		266		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	52	43			52		51		50		52		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	42	33			41		40		41		40		IS :15185:2016
4	Enterococcus	/100ml	32	Absent			34		33		34		33		IS:15186:2002
5	Salmonella	/100ml	Absent	Absent			Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent	Absent			Absent		Absent		Absent		Absent		APHA 24 th Ed.2023, 9260-E
7	Vibrio	/100ml	Absent	Absent			Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

RESULTS OF ETP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25		
			24-10-2024	25-11-2024	25-12-2024	24-01-2025	18-02-2025	06-03-2025		
1.	Colour	Pt. Co. Scale	40	50	40	40	40	40	100	IS 3025(Part 4):2021
2.	pH @ 27 ° C	--	7.64	7.28	7.14	7.22	7.34	7.42	6.5 to 8.5	IS 3025(Part 11):2022
3.	Temperature	°C	30	30	29	29	30	30.5	40	IS 3025(Part 9):2023
4.	Total Suspended Solid	mg/L	54	36	18	26	24	36	100	APHA 24th Ed.2023,2540 –D
5.	Total Dissolved Solids	mg/L	648	622	580	628	610	644	2100	APHA 24th Ed.2023,2540- C
6.	COD	mg/L	92.2	88.5	78.4	82.2	86.1	81.2	100	IS 3025(Part 58):2023
7.	BOD (3 days at 27 °C)	mg/L	27	26	23	25	26	24	30	IS 3025(Part 44):2023
8.	Chloride (as Cl) -	mg/L	242.2	262.2	302	280	294	274.5	600	IS 3025(Part 32):1988
9.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	10	IS 3025(Part 39):2021
10.	Sulphate (as SO ₄)	mg/L	42	48	52	26	32	42	1000	IS 3025(Part 24):2022
11.	Ammonical Nitrogen	mg/L	22.2	15.6	19.8	12.1	18.6	22.4	50	IS 3025(Part 34):1988,
12.	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
13.	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
14.	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	0.1	APHA 24th Ed.2023,3111-B

Continue...

SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25		
			24-10-2024	25-11-2024	25-12-2024	24-01-2025	18-02-2025	06-03-2025		
15.	Sulphide as S	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	APHA 24th Ed.2023,4500 S ² F
16.	Cadmium as Cd	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	2	APHA 24th Ed.2023,3111-B
17.	Fluoride as F	mg/L	1.91	1.28	0.82	0.45	0.37	0.56	2	APHA 24th Ed.2023,4500 F, D
18.	Residual Chlorine	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
19.	Percent Sodium	%	47.64	47.49	46.15	46.86	46.05	47.13	60	By Calculation
20.	Sodium Absorption ratio	--	3.20	3.2	3.3	3.4	3.1	2.9	26	By Calculation



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/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.	03-10-2024	73.58	29.12	23.37	26.41	1.06	--	NOT DETECTED
2.	07-10-2024	77.65	30.21	24.73	27.14	1.08	4.64	NOT DETECTED
3.	10-10-2024	80.42	31.46	25.08	29.14	1.05	4.59	NOT DETECTED
4.	14-10-2024	83.48	34.81	25.79	30.11	1.09	4.68	NOT DETECTED
5.	17-10-2024	85.13	35.5	26	30.84	1.12	4.74	NOT DETECTED
6.	21-10-2024	81.32	33.98	25.63	29.37	1.16	4.81	NOT DETECTED
7.	24-10-2024	76.59	30.43	23.25	27.51	1.13	4.72	NOT DETECTED
8.	28-10-2024	78.65	31.52	24.36	28.49	1.1	4.86	NOT DETECTED
9.	31-10-2024	81.26	33.54	25.31	29.16	1.11	4.76	NOT DETECTED
10.	04-11-2024	80.73	32.15	25.53	29.37	1.08	4.71	NOT DETECTED
11.	07-11-2024	83.15	34.82	26.48	30.52	1.14	4.86	NOT DETECTED
12.	11-11-2024	79.74	31.93	24.78	28.64	1.11	4.78	NOT DETECTED
13.	14-11-2024	82.37	33.25	25.57	29.48	1.13	4.84	NOT DETECTED
14.	18-11-2024	84.59	36.74	27.15	31.28	1.19	4.91	NOT DETECTED
15.	21-11-2024	81.36	34.89	26.43	30.86	1.15	4.85	NOT DETECTED

Continue...

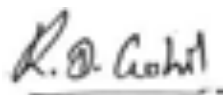
Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	83.48	35.71	28.16	32.12	1.17	4.78	NOT DETECTED
17.	28-11-2024	80.94	33.47	25.29	29.64	1.14	4.82	NOT DETECTED
18.	02-12-2024	82.18	35.42	27.37	31.84	1.13	4.85	NOT DETECTED
19.	05-12-2024	79.64	34.12	26.31	29.97	1.10	4.73	NOT DETECTED
20.	09-12-2024	76.38	32.85	23.97	28.53	1.07	4.61	NOT DETECTED
21.	12-12-2024	78.16	35.25	24.37	29.13	1.1	4.7	NOT DETECTED
22.	16-12-2024	81.36	36.61	26.78	31.53	1.12	4.75	NOT DETECTED
23.	19-12-2024	84.63	38.05	29.1	34.09	1.16	4.88	NOT DETECTED
24.	23-12-2024	82.49	35.64	27.48	32.26	1.13	4.82	NOT DETECTED
25.	26-12-2024	77.64	32.36	25.84	30.11	1.11	4.75	NOT DETECTED
26.	30-12-2024	80.83	34.28	28.17	32.74	1.14	4.81	NOT DETECTED
27.	02-01-2025	79.85	34.71	26.69	30.84	1.12	--	NOT DETECTED
28.	06-01-2025	81.53	35.94	28.63	33.18	1.15	4.92	NOT DETECTED
29.	09-01-2025	84.69	38.47	31.6	36.47	1.18	5.18	NOT DETECTED
30.	13-01-2025	79.53	35.13	28.26	33.52	1.13	4.86	NOT DETECTED
31.	16-01-2025	83.8	40.38	30.79	35.48	1.16	4.98	NOT DETECTED

Continue...

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	78.98	36.62	26.35	31.63	1.15	4.8	NOT DETECTED
33.	23-01-2025	83.47	39.89	30.27	35.72	1.18	4.85	NOT DETECTED
34.	27-01-2025	81.53	37.25	27.74	32.35	1.17	4.73	NOT DETECTED
35.	30-01-2025	84.79	40.91	31.16	36.75	1.21	4.93	NOT DETECTED
36.	03-02-2025	83.26	38.13	29.57	33.91	1.16	4.84	NOT DETECTED
37.	06-02-2025	79.75	34.42	26.37	30.46	1.13	4.71	NOT DETECTED
38.	10-02-2025	81.64	36.19	27.35	32.12	1.14	4.77	NOT DETECTED
39.	13-02-2025	84.15	38.91	30.15	34.68	1.18	4.89	NOT DETECTED
40.	17-02-2025	80.81	35.47	26.89	30.52	1.15	4.68	NOT DETECTED
41.	20-02-2025	82.38	37.25	28.64	31.83	1.17	4.74	NOT DETECTED
42.	24-02-2025	84.58	39.32	30.74	34.2	1.13	4.93	NOT DETECTED
43.	27-02-2025	80.42	36.1	27.42	31.64	1.15	4.82	NOT DETECTED
44.	03-03-2024	81.29	39.12	31.62	35.27	1.15	4.87	NOT DETECTED
45.	06-03-2024	77.94	36.37	27.98	31.75	1.12	4.75	NOT DETECTED
46.	10-03-2024	79.42	37.48	28.74	32.36	1.14	4.82	NOT DETECTED
47.	13-03-2024	82.38	39.71	33.24	37.1	1.17	4.91	NOT DETECTED

Continue...

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	17-03-2024	76.59	33.94	28.13	33.42	1.15	4.8	NOT DETECTED
49.	20-03-2024	81.24	35.58	31.79	36.21	1.16	4.86	NOT DETECTED
50.	24-03-2024	83.49	38.11	33.78	37.01	1.19	4.96	NOT DETECTED
51.	27-03-2024	78.91	34.78	29.19	33.37	1.15	4.84	NOT DETECTED
52.	31-03-2024	82.35	36.27	32.46	36.95	1.17	4.88	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		Near Fire Station						
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.	03-10-2024	65.38	22.47	18.29	22.73	0.58	--	NOT DETECTED
2.	07-10-2024	69.46	23.83	19.66	24.15	0.62	2.69	NOT DETECTED
3.	10-10-2024	67.42	22.31	18.63	22.53	0.59	2.76	NOT DETECTED
4.	14-10-2024	75.38	24.59	21.37	25.48	0.67	2.83	NOT DETECTED
5.	17-10-2024	72.39	23.64	19.47	23.26	0.62	2.75	NOT DETECTED
6.	21-10-2024	77.52	25.47	22.04	26.53	0.7	2.93	NOT DETECTED
7.	24-10-2024	70.15	23.91	19.11	23.41	0.64	2.78	NOT DETECTED
8.	28-10-2024	73.27	24.68	20.73	24.6	0.66	2.82	NOT DETECTED
9.	31-10-2024	76.42	26.53	21.91	25.73	0.69	2.94	NOT DETECTED
10.	04-11-2024	73.26	24.41	20.15	25.32	0.65	2.87	NOT DETECTED
11.	07-11-2024	76.13	25.32	21.73	27.49	0.71	2.96	NOT DETECTED
12.	11-11-2024	74.39	24.68	20.39	25.11	0.67	2.84	NOT DETECTED
13.	14-11-2024	70.84	23.14	19.83	23.94	0.61	2.76	NOT DETECTED
14.	18-11-2024	73.46	24.17	21.26	25.74	0.64	2.81	NOT DETECTED
15.	21-11-2024	76.18	25.74	23.06	27.34	0.73	2.93	NOT DETECTED

Continue...

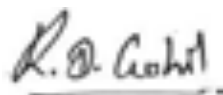
Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	74.38	24.1	22.75	26.15	0.7	2.86	NOT DETECTED
17.	28-11-2024	71.64	23.53	21.37	24.83	0.66	2.82	NOT DETECTED
18.	02-12-2024	75.62	23.47	21.28	25.72	0.7	2.88	NOT DETECTED
19.	05-12-2024	71.28	22.84	20.18	24.11	0.64	2.8	NOT DETECTED
20.	09-12-2024	73.49	23.37	20.72	25.05	0.67	2.83	NOT DETECTED
21.	12-12-2024	78.51	26.36	23.53	27.25	0.72	2.9	NOT DETECTED
22.	16-12-2024	75.24	25.63	22.81	26.42	0.68	2.96	NOT DETECTED
23.	19-12-2024	80.13	27.16	24.31	28.47	0.76	2.91	NOT DETECTED
24.	23-12-2024	77.4	26.08	23.64	27.58	0.71	2.83	NOT DETECTED
25.	26-12-2024	74.38	24.25	21.92	25.31	0.66	2.78	NOT DETECTED
26.	30-12-2024	76.91	27.29	23.35	27.44	0.69	2.81	NOT DETECTED
27.	02-01-2025	79.41	28.32	23.75	26.82	0.72	--	NOT DETECTED
28.	06-01-2025	82.38	29.74	25.48	29.79	0.77	2.94	NOT DETECTED
29.	09-01-2025	84.38	31.05	26.81	30.63	0.7	3.15	NOT DETECTED
30.	13-01-2025	76.87	27.53	23.14	27.36	0.76	2.87	NOT DETECTED
31.	16-01-2025	73.29	25.48	22.85	25.98	0.81	2.81	NOT DETECTED

Continue...

Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	78.52	28.18	23.79	27.25	0.79	2.92	NOT DETECTED
33.	23-01-2025	81.36	30.67	26.35	30.52	0.85	3.05	NOT DETECTED
34.	27-01-2025	76.46	27.53	24.16	28.27	0.82	2.9	NOT DETECTED
35.	30-01-2025	74.94	25.58	23.47	26.59	0.78	2.83	NOT DETECTED
36.	03-02-2025	75.18	29.32	24.27	28.46	0.75	2.87	NOT DETECTED
37.	06-02-2025	78.91	30.75	25.81	29.17	0.81	2.94	NOT DETECTED
38.	10-02-2025	73.48	26.59	24.75	28.46	0.71	2.81	NOT DETECTED
39.	13-02-2025	76.64	28.25	25.14	29.15	0.77	2.86	NOT DETECTED
40.	17-02-2025	82.38	31.72	28.64	32.07	0.83	2.95	NOT DETECTED
41.	20-02-2025	72.39	26.48	24.56	28.28	0.76	2.84	NOT DETECTED
42.	24-02-2025	76.81	27.98	27.81	31.19	0.8	2.9	NOT DETECTED
43.	27-02-2025	81.26	30.86	28.42	32.15	0.85	2.93	NOT DETECTED
44.	03-03-2024	78.63	27.54	25.13	30.42	0.73	2.83	NOT DETECTED
45.	06-03-2024	80.13	29.71	28.19	32.62	0.79	2.91	NOT DETECTED
46.	10-03-2024	82.3	31.54	29.05	33.91	0.85	2.96	NOT DETECTED
47.	13-03-2024	79.71	28.32	26.83	31.31	0.77	2.81	NOT DETECTED

Continue...

Name of Location		Near Fire Station						
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.	17-03-2024	75.48	27.19	25.61	29.18	0.72	2.85	NOT DETECTED
49.	20-03-2024	81.32	30.04	27.13	32.42	0.81	2.92	NOT DETECTED
50.	24-03-2024	74.88	28.64	25.86	30.23	0.78	2.79	NOT DETECTED
51.	27-03-2024	72.96	27.41	24.99	28.35	0.73	2.76	NOT DETECTED
52.	31-03-2024	76.59	28.68	26.36	30.21	0.8	2.84	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 PORT – TUG Berth 600 KL Pupm 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.	03-10-2024	70.81	26.95	21.79	24.69	0.73	--	NOT DETECTED
2.	07-10-2024	72.26	27.85	22.13	25.42	0.77	3.71	NOT DETECTED
3.	10-10-2024	75.14	28.74	23.62	26.47	0.82	3.75	NOT DETECTED
4.	14-10-2024	81.27	31.73	25.86	28.42	0.85	3.82	NOT DETECTED
5.	17-10-2024	77.46	29.94	25.39	29.63	0.79	3.74	NOT DETECTED
6.	21-10-2024	75.81	28.42	23.16	26.42	0.74	3.77	NOT DETECTED
7.	24-10-2024	79.73	30.58	24.49	27.68	0.81	3.85	NOT DETECTED
8.	28-10-2024	84.3	32.68	25.96	29.51	0.84	3.88	NOT DETECTED
9.	31-10-2024	80.53	30.62	24.73	27.32	0.81	3.82	NOT DETECTED
10.	04-11-2024	78.63	29.54	23.37	27.13	0.83	3.81	NOT DETECTED
11.	07-11-2024	80.38	30.47	24.84	28.42	0.87	3.93	NOT DETECTED
12.	11-11-2024	82.16	32.47	26.13	30.64	0.92	3.98	NOT DETECTED
13.	14-11-2024	78.37	29.18	23.15	27.55	0.81	3.86	NOT DETECTED
14.	18-11-2024	80.48	30.72	24.95	28.14	0.85	3.92	NOT DETECTED
15.	21-11-2024	83.26	33.14	26.31	30.18	0.89	4.12	NOT DETECTED

Continue...

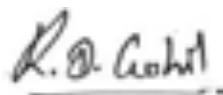
Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	81.64	32.19	24.37	28.53	0.84	4.03	NOT DETECTED
17.	28-11-2024	79.19	30.63	23.59	27.34	0.82	3.89	NOT DETECTED
18.	02-12-2024	80.45	32.18	24.52	29.41	0.83	3.96	NOT DETECTED
19.	05-12-2024	83.47	35.46	26.93	30.79	0.9	3.97	NOT DETECTED
20.	09-12-2024	81.36	31.93	25.37	30.13	0.85	3.9	NOT DETECTED
21.	12-12-2024	79.55	30.48	23.73	28.15	0.77	3.86	NOT DETECTED
22.	16-12-2024	78.38	29.53	22.98	27.46	0.75	3.76	NOT DETECTED
23.	19-12-2024	83.46	34.8	27.35	32.07	0.86	3.81	NOT DETECTED
24.	23-12-2024	79.91	31.49	25.35	30.72	0.78	3.74	NOT DETECTED
25.	26-12-2024	81.81	33.54	26.28	31.17	0.8	3.79	NOT DETECTED
26.	30-12-2024	83.25	35.74	27.1	32.59	0.87	3.87	NOT DETECTED
27.	02-01-2025	82.63	36.27	27.84	32.13	0.9	--	NOT DETECTED
28.	06-01-2025	76.94	32.15	24.98	29.64	0.81	3.78	NOT DETECTED
29.	09-01-2025	79.83	34.74	26.39	31.46	0.86	3.83	NOT DETECTED
30.	13-01-2025	82.62	37.15	29.73	33.28	0.89	3.91	NOT DETECTED
31.	16-01-2025	84.59	38.35	30.18	34.62	0.93	4.08	NOT DETECTED

Continue...

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	80.83	36.46	28.35	33.14	0.84	3.96	NOT DETECTED
33.	23-01-2025	78.42	33.64	26.42	31.26	0.79	3.82	NOT DETECTED
34.	27-01-2025	76.84	32.69	25.94	30.52	0.77	3.75	NOT DETECTED
35.	30-01-2025	80.73	35.47	28.31	33.53	0.85	3.81	NOT DETECTED
36.	03-02-2025	78.51	34.13	28.63	33.26	0.8	3.71	NOT DETECTED
37.	06-02-2025	82.37	37.74	30.49	35.83	0.84	3.83	NOT DETECTED
38.	10-02-2025	72.82	32.74	26.85	31.56	0.75	3.67	NOT DETECTED
39.	13-02-2025	75.48	34.16	26.98	31.72	0.78	3.73	NOT DETECTED
40.	17-02-2025	81.29	36.93	29.91	34.12	0.83	3.85	NOT DETECTED
41.	20-02-2025	84.13	38.36	31.53	36.42	0.87	3.94	NOT DETECTED
42.	24-02-2025	75.49	34.78	26.64	31.72	0.77	3.78	NOT DETECTED
43.	27-02-2025	79.85	36.62	29.14	34.88	0.82	3.72	NOT DETECTED
44.	03-03-2024	83.16	37.62	30.85	34.17	0.88	3.82	NOT DETECTED
45.	06-03-2024	81.39	36.15	27.53	31.46	0.80	3.77	NOT DETECTED
46.	10-03-2024	75.49	33.96	26.13	30.79	0.76	3.7	NOT DETECTED
47.	13-03-2024	78.41	34.57	27.98	32.13	0.82	3.74	NOT DETECTED

Continue...

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/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.	17-03-2024	82.37	35.14	29.75	34.24	0.86	3.8	NOT DETECTED
49.	20-03-2024	85.36	39.11	31.45	36.27	0.91	3.86	NOT DETECTED
50.	24-03-2024	80.71	36.54	27.53	32.47	0.84	3.78	NOT DETECTED
51.	27-03-2024	83.47	37.17	30.35	34.18	0.89	3.83	NOT DETECTED
52.	31-03-2024	79.91	35.27	28.31	32.54	0.78	3.8	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		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.	03-10-2024	56.80	22.15	15.77	18.46	0.52	--	NOT DETECTED
2.	07-10-2024	58.63	22.72	16.38	19.62	0.56	1.73	NOT DETECTED
3.	10-10-2024	62.42	23.19	17.42	20.38	0.59	1.77	NOT DETECTED
4.	14-10-2024	59.74	22.52	16.46	19.31	0.53	1.70	NOT DETECTED
5.	17-10-2024	63.27	24.36	17.71	20.88	0.55	1.82	NOT DETECTED
6.	21-10-2024	66.84	26.31	18.25	22.10	0.61	1.88	NOT DETECTED
7.	24-10-2024	68.61	26.77	18.69	22.36	0.63	1.94	NOT DETECTED
8.	28-10-2024	63.28	25.11	16.52	19.83	0.57	1.85	NOT DETECTED
9.	31-10-2024	66.17	26.32	17.39	20.42	0.60	1.97	NOT DETECTED
10.	04-11-2024	64.18	24.84	15.93	19.31	0.61	1.93	NOT DETECTED
11.	07-11-2024	67.27	26.18	17.26	20.64	0.64	2.18	NOT DETECTED
12.	11-11-2024	69.81	28.26	18.15	22.37	0.70	2.31	NOT DETECTED
13.	14-11-2024	65.48	27.62	17.13	21.53	0.67	2.15	NOT DETECTED
14.	18-11-2024	63.21	24.92	16.83	20.42	0.64	2.06	NOT DETECTED
15.	21-11-2024	66.38	25.46	17.53	21.72	0.68	2.14	NOT DETECTED

Continue...

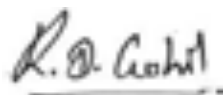
Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	63.40	24.84	16.46	20.34	0.60	2.03	NOT DETECTED
17.	28-11-2024	65.37	25.19	17.11	20.75	0.66	2.10	NOT DETECTED
18.	02-12-2024	67.14	26.53	16.32	20.17	0.64	2.06	NOT DETECTED
19.	05-12-2024	70.37	28.84	17.78	21.43	0.68	2.19	NOT DETECTED
20.	09-12-2024	72.62	29.91	18.24	22.48	0.71	2.31	NOT DETECTED
21.	12-12-2024	67.36	26.84	16.60	20.51	0.67	2.27	NOT DETECTED
22.	16-12-2024	70.41	28.47	17.49	21.37	0.69	2.34	NOT DETECTED
23.	19-12-2024	73.39	28.72	18.83	22.55	0.73	2.37	NOT DETECTED
24.	23-12-2024	65.45	25.84	15.91	19.32	0.66	2.26	NOT DETECTED
25.	26-12-2024	68.42	26.38	17.24	21.84	0.70	2.30	NOT DETECTED
26.	30-12-2024	66.18	25.97	16.59	20.45	0.67	2.23	NOT DETECTED
27.	02-01-2025	70.52	25.92	18.13	23.35	0.68	--	NOT DETECTED
28.	06-01-2025	66.58	27.51	17.52	21.89	0.65	2.46	NOT DETECTED
29.	09-01-2025	64.48	24.61	16.94	21.13	0.63	2.31	NOT DETECTED
30.	13-01-2025	68.26	26.81	17.59	22.64	0.68	2.58	NOT DETECTED
31.	16-01-2025	71.53	27.14	18.53	23.28	0.72	2.62	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	75.49	29.42	19.39	25.03	0.76	2.68	NOT DETECTED
33.	23-01-2025	73.49	28.10	18.53	23.74	0.73	2.6	NOT DETECTED
34.	27-01-2025	68.58	26.35	16.84	21.53	0.68	2.48	NOT DETECTED
35.	30-01-2025	71.24	27.51	17.46	23.58	0.72	2.54	NOT DETECTED
36.	03-02-2025	72.71	26.18	17.65	22.11	0.65	2.52	NOT DETECTED
37.	06-02-2025	76.42	28.53	19.42	24.35	0.68	2.57	NOT DETECTED
38.	10-02-2025	78.64	29.35	19.97	25.17	0.70	2.64	NOT DETECTED
39.	13-02-2025	69.53	25.93	17.11	22.64	0.63	2.55	NOT DETECTED
40.	17-02-2025	66.81	24.76	16.99	22.19	0.62	2.49	NOT DETECTED
41.	20-02-2025	70.61	26.53	17.84	23.15	0.66	2.57	NOT DETECTED
42.	24-02-2025	74.58	28.46	19.54	24.63	0.72	2.65	NOT DETECTED
43.	27-02-2025	68.75	25.11	16.79	21.36	0.68	2.59	NOT DETECTED
44.	03-03-2024	67.53	23.47	15.93	19.72	0.64	2.46	NOT DETECTED
45.	06-03-2024	70.23	25.74	18.13	22.45	0.66	2.51	NOT DETECTED
46.	10-03-2024	73.46	27.91	19.20	23.42	0.71	2.48	NOT DETECTED
47.	13-03-2024	68.63	23.58	16.24	20.63	0.68	2.55	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.	17-03-2024	65.48	23.91	15.97	19.63	0.64	2.45	NOT DETECTED
49.	20-03-2024	70.13	25.85	16.36	20.11	0.72	2.57	NOT DETECTED
50.	24-03-2024	74.36	27.54	18.69	22.65	0.75	2.6	NOT DETECTED
51.	27-03-2024	72.91	25.86	17.64	21.91	0.70	2.53	NOT DETECTED
52.	31-03-2024	76.14	27.88	19.16	23.45	0.74	2.57	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		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	70.41	24.22	17.65	20.97	0.60	--	NOT DETECTED
2.	07-10-2024	72.38	24.95	18.06	22.24	0.63	3.68	NOT DETECTED
3.	10-10-2024	75.48	26.15	19.14	23.51	0.62	3.74	NOT DETECTED
4.	14-10-2024	78.74	28.45	19.88	23.93	0.67	3.79	NOT DETECTED
5.	17-10-2024	74.39	26.37	18.54	22.48	0.65	3.72	NOT DETECTED
6.	21-10-2024	76.59	27.79	19.36	23.41	0.68	3.81	NOT DETECTED
7.	24-10-2024	81.26	29.19	20.58	24.72	0.72	3.87	NOT DETECTED
8.	28-10-2024	77.64	28.37	19.93	23.32	0.67	3.80	NOT DETECTED
9.	31-10-2024	75.24	26.44	18.26	21.57	0.68	3.82	NOT DETECTED
10.	04-11-2024	76.29	26.83	19.14	23.31	0.69	3.78	NOT DETECTED
11.	07-11-2024	78.63	27.28	19.93	23.78	0.71	3.83	NOT DETECTED
12.	11-11-2024	80.64	28.13	20.58	24.63	0.76	3.89	NOT DETECTED
13.	14-11-2024	84.38	30.62	22.13	26.48	0.82	3.96	NOT DETECTED
14.	18-11-2024	82.47	29.63	21.15	25.24	0.78	3.91	NOT DETECTED
15.	21-11-2024	75.47	26.39	19.28	23.74	0.73	3.81	NOT DETECTED

Continue...

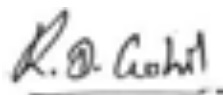
Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	79.75	27.48	20.26	24.35	0.79	3.90	NOT DETECTED
17.	28-11-2024	76.18	26.91	19.74	23.19	0.71	3.84	NOT DETECTED
18.	02-12-2024	78.16	27.53	21.87	25.43	0.74	3.81	NOT DETECTED
19.	05-12-2024	81.35	28.74	22.46	27.11	0.78	3.89	NOT DETECTED
20.	09-12-2024	83.29	30.61	23.75	27.94	0.84	3.97	NOT DETECTED
21.	12-12-2024	77.45	27.49	21.36	25.17	0.75	3.82	NOT DETECTED
22.	16-12-2024	75.47	26.89	20.07	24.58	0.72	3.76	NOT DETECTED
23.	19-12-2024	78.52	28.69	21.40	25.55	0.76	3.80	NOT DETECTED
24.	23-12-2024	81.48	31.34	23.63	27.19	0.81	3.85	NOT DETECTED
25.	26-12-2024	75.37	27.53	19.97	24.48	0.73	3.77	NOT DETECTED
26.	30-12-2024	77.19	28.32	20.41	26.13	0.77	3.82	NOT DETECTED
27.	02-01-2025	80.53	31.48	23.61	27.17	0.85	--	NOT DETECTED
28.	06-01-2025	76.49	28.53	22.28	25.83	0.77	3.87	NOT DETECTED
29.	09-01-2025	74.92	27.73	21.69	26.14	0.75	3.76	NOT DETECTED
30.	13-01-2025	78.59	29.17	23.42	27.26	0.80	3.92	NOT DETECTED
31.	16-01-2025	81.64	31.75	25.48	29.06	0.84	4.12	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	84.38	33.51	26.30	30.64	0.87	4.18	NOT DETECTED
33.	23-01-2025	79.47	28.64	23.14	27.53	0.78	3.97	NOT DETECTED
34.	27-01-2025	82.37	31.78	24.57	28.49	0.84	4.07	NOT DETECTED
35.	30-01-2025	84.39	32.91	26.37	30.72	0.90	4.16	NOT DETECTED
36.	03-02-2025	83.16	32.75	26.38	31.29	0.91	3.97	NOT DETECTED
37.	06-02-2025	80.73	30.82	23.84	28.61	0.84	3.89	NOT DETECTED
38.	10-02-2025	82.37	31.58	24.14	29.46	0.81	3.84	NOT DETECTED
39.	13-02-2025	77.95	28.64	23.91	27.87	0.79	3.80	NOT DETECTED
40.	17-02-2025	81.38	32.16	25.12	30.45	0.85	3.94	NOT DETECTED
41.	20-02-2025	79.64	30.24	24.86	28.74	0.82	3.84	NOT DETECTED
42.	24-02-2025	84.63	34.85	26.57	31.65	0.90	3.92	NOT DETECTED
43.	27-02-2025	81.05	32.48	25.62	30.18	0.86	3.87	NOT DETECTED
44.	03-03-2024	80.91	30.83	28.13	32.46	0.85	4.13	NOT DETECTED
45.	06-03-2024	84.36	33.57	30.24	34.83	0.94	4.27	NOT DETECTED
46.	10-03-2024	78.37	29.96	28.74	33.15	0.81	4.03	NOT DETECTED
47.	13-03-2024	81.63	30.98	29.64	32.89	0.88	4.15	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	17-03-2024	83.29	34.57	31.51	35.64	0.92	4.23	NOT DETECTED
49.	20-03-2024	85.91	36.21	34.01	38.46	0.97	4.37	NOT DETECTED
50.	24-03-2024	81.63	34.79	30.27	34.68	0.84	4.20	NOT DETECTED
51.	27-03-2024	83.37	36.13	32.41	36.32	0.89	4.12	NOT DETECTED
52.	31-03-2024	84.89	32.42	33.56	37.54	0.85	4.26	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Rajnish D. Gohil
(Chemist)



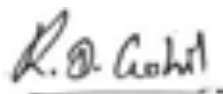

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring							
Location Name		CT3 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		14-10-2024	14-11-2024	12-12-2024	13-01-2025	13-02-2025	13-03-2025
1	06:00 to 07:00	63.3	63.8	62.5	63.5	61.9	60.8
2	07:00 to 08:00	65.1	64.3	63.8	62.7	64.7	63.4
3	08:00 to 09:00	64.3	65.7	65.1	63.7	64.2	65.7
4	09:00 to 10:00	64.7	65.9	64.3	66.4	64.3	66.3
5	10:00 to 11:00	65.8	66.7	65.7	67.8	66.7	67.4
6	11:00 to 12:00	68.5	65.8	67.3	65.6	65.8	66.8
7	12:00 to 13:00	67.1	68.3	65.4	67.3	67.2	67.3
8	13:00 to 14:00	68.3	67.5	66.3	65.2	66.4	67.1
9	14:00 to 15:00	64.2	66.4	64.8	65.8	67.5	66.4
10	15:00 to 16:00	65.4	64.8	63.6	64.5	66.5	65.7
11	16:00 to 17:00	68.2	67.5	65.1	64.3	63.4	64.5
12	17:00 to 18:00	67.4	65.8	64.3	65.8	62.8	65.1
13	18:00 to 19:00	67.1	66.3	65.4	62.3	64.6	66.3
14	19:00 to 20:00	65.5	63.2	65.8	63.7	64.1	64.5
15	20:00 to 21:00	65.4	65.7	63.2	64.1	62.3	63.1
16	21:00 to 22:00	62.8	63.4	62.4	62.3	61.8	62.3
Day Time		<75 dB (A)					

Continue...

Location Name		CT3 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		14-10-2024	14-11-2024	12-12-2024	13-01-2025	13-02-2025	13-03-2025
1	22:00 to 23:00	63.5	63.2	61.5	60.8	61.3	60.5
2	23:00 to 24:00	62.4	63.7	62.8	61.4	60.7	62.3
3	24:00 to 01:00	64.5	65.1	64.3	60.7	61.5	62.7
4	01:00 to 02:00	63.4	64.8	65.7	62.4	61.8	61.6
5	02:00 to 03:00	65.4	63.5	64.3	62.8	62.4	63.8
6	03:00 to 04:00	63.2	64.3	62.3	63.7	63.7	61.5
7	04:00 to 05:00	62.9	63.4	64.1	61.4	61.3	62.3
8	05:00 to 06:00	62.5	61.8	62.3	59.8	59.1	59.1
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
-------------	-----------------



Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

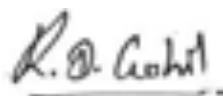
Results of Noise Level Monitoring

Location Name		Near Fire Station					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		07-10-2024	07-11-2024	05-12-2024	06-01-2025	06-02-2025	06-03-2025
1	06:00 to 07:00	62.6	63.2	64.5	62.3	60.5	62.2
2	07:00 to 08:00	65.4	64.7	63.2	62.9	63.1	62.8
3	08:00 to 09:00	67.4	65.3	66.4	66.1	62.8	64.5
4	09:00 to 10:00	64.3	66.6	65.3	65.8	64.5	63.6
5	10:00 to 11:00	66.3	64.3	64.1	63.4	67.1	66.1
6	11:00 to 12:00	68.3	67.5	66.3	66.8	64.3	65.6
7	12:00 to 13:00	68.9	68.1	67.4	65.4	64.8	64.2
8	13:00 to 14:00	66.7	66.4	65.4	65.1	63.2	65.8
9	14:00 to 15:00	64.8	65.7	64.8	65.5	64.7	66.4
10	15:00 to 16:00	66.3	64.8	66.5	66.8	66.4	65.9
11	16:00 to 17:00	66.3	67.2	65.4	66.3	64.3	65.1
12	17:00 to 18:00	67.1	66.3	64.3	65.2	63.1	64.3
13	18:00 to 19:00	65.9	64.3	65.1	65.8	64.3	63.8
14	19:00 to 20:00	62.8	64.3	62.3	64.2	62.9	63.5
15	20:00 to 21:00	64.2	64.6	60.7	63.5	65.1	64.2
16	21:00 to 22:00	62.6	61.8	62.1	63.1	61.3	60.4
Day Time		<75 dB (A)					

Continue...

Location Name		Near Fire Station					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		07-10-2024	07-11-2024	05-12-2024	06-01-2025	06-02-2025	06-03-2025
1	22:00 to 23:00	63.6	62.5	61.5	62.3	63.5	61.4
2	23:00 to 24:00	61.7	62.7	61.3	64.8	63.1	62.8
3	24:00 to 01:00	63.5	61.4	63.8	62.8	62.8	64.3
4	01:00 to 02:00	62.8	63.7	62.5	63.7	63.4	62.7
5	02:00 to 03:00	64.5	64.3	64.2	62.5	63.7	62.5
6	03:00 to 04:00	63.1	64.7	63.5	62.4	61.8	63.1
7	04:00 to 05:00	60.8	63.1	61.8	60.3	60.5	60.5
8	05:00 to 06:00	61.3	61.6	59.8	61.6	60.3	60.1
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
-------------	-----------------



Rajnish D. Gohil
(Chemist)



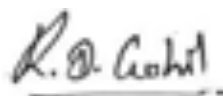

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring							
Location Name		ADANI PORT – TUG Berth 600 KL Pump House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		10-10-2024	11-11-2024	09-12-2024	09-01-2025	10-02-2025	10-03-2025
1	06:00 to 07:00	61.5	61.1	60.8	59.9	57.7	57.3
2	07:00 to 08:00	63.2	64.5	62.5	60.3	61.4	59.6
3	08:00 to 09:00	64.8	66.8	63.7	65.1	62.8	60.2
4	09:00 to 10:00	66.8	65.4	62.5	64.3	65.7	64.5
5	10:00 to 11:00	68.1	67.3	66.4	65.7	64.3	65.8
6	11:00 to 12:00	67.3	68.3	65.3	64.2	66.1	64.3
7	12:00 to 13:00	65.4	65.4	66.3	66.1	64.3	65.7
8	13:00 to 14:00	67.1	66.7	67.1	67.9	65.8	64.3
9	14:00 to 15:00	66.2	66.3	65.4	64.3	63.2	65.7
10	15:00 to 16:00	68.1	67.5	65.7	65.3	64.8	64.2
11	16:00 to 17:00	64.8	65.7	66.3	65.1	66.1	66.7
12	17:00 to 18:00	65.3	66.1	65.8	66.7	65.4	63.4
13	18:00 to 19:00	66.4	65.3	61.7	62.4	63.8	64.9
14	19:00 to 20:00	64.3	65.8	64.5	65.4	64.7	64.3
15	20:00 to 21:00	62.5	63.5	62.8	62.9	61.3	60.5
16	21:00 to 22:00	63.4	63.1	61.7	60.8	58.6	59.2
Day Time		<75 dB (A)					

Continue...

Location Name		ADANI PORT – TUG Berth 600 KL Pump House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		10-10-2024	11-11-2024	09-12-2024	09-01-2025	10-02-2025	10-03-2025
1	22:00 to 23:00	60.1	61.3	62.7	61.4	60.9	58.7
2	23:00 to 24:00	63.2	63.5	64.3	62.8	61.4	60.4
3	24:00 to 01:00	62.3	64.5	63.5	63.4	62.4	61.8
4	01:00 to 02:00	64.7	65.2	63.2	64.5	62.7	63.4
5	02:00 to 03:00	64.1	63.8	65.1	63.2	64.1	64.1
6	03:00 to 04:00	62.7	62.6	64.3	65.1	64.3	62.4
7	04:00 to 05:00	63.4	64.1	63.2	62.3	62.7	61.8
8	05:00 to 06:00	60.2	62.4	61.6	62.4	61.5	58.7
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
-------------	-----------------



Rajnish D. Gohil
(Chemist)



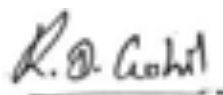

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring							
Location Name		PUB/Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		03-10-2024	04-11-2024	02-12-2024	02-01-2025	03-02-2025	03-03-2025
1	06:00 to 07:00	63.2	62.7	62.2	63.5	63.9	61.4
2	07:00 to 08:00	60.7	61.4	62.8	64.2	63.4	64.3
3	08:00 to 09:00	59.4	58.4	64.7	65.5	64.7	63.8
4	09:00 to 10:00	61.3	61.8	62.8	64.1	65.1	65.1
5	10:00 to 11:00	65.4	64.7	66.3	64.8	64.8	64.3
6	11:00 to 12:00	64.8	65.3	63.6	65.7	67.3	66.3
7	12:00 to 13:00	67.4	67.3	65.8	66.2	65.4	67.2
8	13:00 to 14:00	64.3	65.8	66.2	65.8	64.7	65.8
9	14:00 to 15:00	62.5	62.3	67.5	64.7	63.4	64.5
10	15:00 to 16:00	64.8	62.4	64.3	67.4	65.2	65.8
11	16:00 to 17:00	65.5	64.8	63.7	65.9	66.4	67.1
12	17:00 to 18:00	64.1	63.7	65.1	66.3	65.8	62.3
13	18:00 to 19:00	61.3	61.6	62.4	64.5	66.1	64.7
14	19:00 to 20:00	64.6	63.2	64.1	62.8	64.3	65.2
15	20:00 to 21:00	63.3	62.8	62.3	60.4	62.5	62.5
16	21:00 to 22:00	60.3	60.6	59.8	60.2	58.7	58.7
Day Time		<75 dB (A)					

Continue...

Location Name		PUB/Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		03-10-2024	04-11-2024	02-12-2024	02-01-2025	03-02-2025	03-03-2025
1	22:00 to 23:00	60.3	60.7	63.2	61.8	61.2	59.8
2	23:00 to 24:00	62.3	63.4	61.8	61.4	62.7	61.3
3	24:00 to 01:00	64.3	63.7	62.4	64.3	63.5	61.5
4	01:00 to 02:00	63.2	64.1	63.7	62.8	64.8	64.2
5	02:00 to 03:00	62.8	65.4	62.5	63.5	62.3	63.7
6	03:00 to 04:00	60.4	63.2	64.7	63.2	62.6	61.3
7	04:00 to 05:00	62.3	62.9	63.1	62.7	61.8	59.7
8	05:00 to 06:00	60.6	59.7	61.3	60.4	59.5	58.8
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
-------------	-----------------



Rajnish D. Gohil
 (Chemist)




Jaivik S. Tandel
 (Manager - Operations)

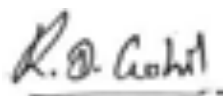
Results of Noise Level Monitoring

Location Name		CT-4 RMU-2				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time				
		19-10-2024	26-11-2024	21-12-2024	21-01-2025	22-02-2025
1	06:00 to 07:00	62.3	62.6	64.1	63.8	63.2
2	07:00 to 08:00	64.5	61.9	64.3	65.4	66.2
3	08:00 to 09:00	65.4	63.5	62.8	66.8	64.8
4	09:00 to 10:00	66.1	64.8	65.6	64.8	65.7
5	10:00 to 11:00	64.7	67.5	67.8	65.2	67.4
6	11:00 to 12:00	65.6	67.3	65.4	67.8	67.2
7	12:00 to 13:00	66.2	68.4	67.5	67.2	65.4
8	13:00 to 14:00	67.2	64.2	66.9	66.4	65.7
9	14:00 to 15:00	65.4	65.7	64.3	65.8	63.4
10	15:00 to 16:00	66.9	68.4	66.9	65.7	65.1
11	16:00 to 17:00	65.4	66.7	65.2	67.3	66.8
12	17:00 to 18:00	66.2	64.3	66.4	65.9	66.2
13	18:00 to 19:00	64.3	65.8	67.8	65.2	63.5
14	19:00 to 20:00	64.7	62.6	64.3	63.5	64.5
15	20:00 to 21:00	63.5	65.3	62.8	64.1	63.4
16	21:00 to 22:00	63.1	62.9	63.1	61.5	62.6
Day Time		<75 dB (A)				

Continue...

Location Name		CT-4 RMU-2				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time				
		19-10-2024	26-11-2024	21-12-2024	21-01-2025	22-02-2025
1	22:00 to 23:00	62.3	61.9	61.3	62.5	61.8
2	23:00 to 24:00	63.5	64.2	63.2	62.4	63.6
3	24:00 to 01:00	66.4	64.8	61.8	63.7	64.7
4	01:00 to 02:00	64.3	65.1	64.7	62.5	63.2
5	02:00 to 03:00	65.8	63.8	62.7	64.5	62.8
6	03:00 to 04:00	64.3	62.7	63.5	63.1	63.5
7	04:00 to 05:00	62.1	63.4	61.3	60.8	61.5
8	05:00 to 06:00	61.5	61.5	60.4	61.4	61.1
Day Time		<70 dB (A)				

Test Method	IS: 9989 : 1981
-------------	-----------------



Rajnish D. Gohil
(Chemist)

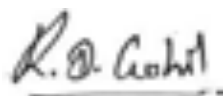



Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring								
Sr. No.	Parameter	Unit	Hot Water System-1 (Liquid Terminal)	Hot Water System-2 (Liquid Terminal)	Thermic Fluid Heater (Bitumin-1)	Thermic Fluid Heater (Bitumin-2)	GPCB LIMIT	Method of Test
Oct-24								
1	Particulate Matter	mg/Nm ³	22.15	21.39	22.17	20.19	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	7.81	7.37	8.29	7.61	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	21.12	22.81	20.41	18.85	50	IS 11255 (Part - 7)
Nov-24								
1	Particulate Matter	mg/Nm ³	21.96	20.79	21.84	19.11	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	7.26	6.89	8.15	7.45	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	20.85	21.74	19.17	18.97	50	IS 11255 (Part - 7)
Dec-24								
1	Particulate Matter	mg/Nm ³	21.28	21.54	22.48	18.86	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	7.00	6.73	8.09	7.13	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	19.94	20.96	19.26	19.21	50	IS 11255 (Part - 7)
Jan-25								
1	Particulate Matter	mg/Nm ³	20.85	22.19	21.11	19.10	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	6.90	6.81	7.95	7.36	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	18.79	21.07	19.28	19.13	50	IS 11255 (Part - 7)

Continue...

Sr. No.	Parameter	Unit	Hot Water System-1 (Liquid Terminal)	Hot Water System-2 (Liquid Terminal)	Thermic Fluid Heater (Bitumin-1)	Thermic Fluid Heater (Bitumin-2)	GPCB LIMIT	Method of Test
Feb-25								
1	Particulate Matter	mg/Nm ³	21.63	19.83	20.96	19.83	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	7.13	6.15	7.64	7.59	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	19.24	20.18	18.95	20.18	50	IS 11255 (Part - 7)
Mar-25								
1	Particulate Matter	mg/Nm ³	21.19	20.23	20.13	19.25	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	7.42	6.57	8.11	7.41	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	20.61	21.14	19.39	20.48	50	IS 11255 (Part - 7)



Rajnish D. Gohil
(Chemist)

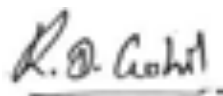



Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring								
Sr. No	Parameter	Unit	D.G. Set-6, 7 & 8 (1250 KVA - CT2) Common Stack	D.G. Set-9 (1500 KVA - CT3)	D.G. Set-10 (1500 KVA - CT3)	D.G. Set-11 (1500 KVA - CT3)	GPC B LIMI T	Method of Test
			Mar-25					
			19-03-2025	17-03-2025	17-03-2025	17-03-2025		
1	Particulate Matter	mg/Nm ³	27.15	19.31	22.53	20.36	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	11.32	15.69	16.11	15.72	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	23.58	27.32	29.63	24.91	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	4.19	4.1	3.6	3.5	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27
Sr. No	Parameter	Unit	D.G. Set-12 (1500 KVA) - CT4	D.G. Set-13 (1500 KVA) - CT4	D.G. Set-14 (1500 KVA) - CT4	D.G. Set-1 (500 KVA) - DG House - MPT	GPC B LIMI T	Method of Test
			Mar-25					
			18-03-2025	18-03-2025	18-03-2025	19-03-2025		
1	Particulate Matter	mg/Nm ³	23.81	29.14	21.95	25.26	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO ₂	ppm	9.42	10.67	9.65	9.7	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	21.38	25.3	19.47	31.13	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	3.8	4.88	4.2	3.47	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27

Continue...

Sr. No .	Parameter	Unit	D.G. Set-2 (500 KVA) - DG House - MPT	D.G. Set-3 (500 KVA) - DG House - MPT	D.G. Set-4 (500 KVA) - DG House - MPT	D.G. Set-5 (500 KVA) - DG House - MPT	GPC B LIMIT	Method of Test
			Mar-25					
			19-03-2025	26-03-2025	26-03-2025	26-03-2025		
1	Particulate Matter	mg/Nm³	28.53	23.96	28.15	22.46	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO₂	ppm	8.42	10.16	9.37	9.68	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NOₓ	ppm	34.07	29.74	32.12	29.21	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	3.97	4.77	4.64	3.85	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27



Rajnish D. Gohil
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

RESULTS OF BORE HOLE WATER

SR.NO.	TEST PARAMETERS	UNIT	Pump House-1	Pump House-2	Pump House-3	Near Unloading bays	Near ETP	TEST METHOD
			05-03-2025	05-03-2025	05-03-2025	05-03-2025	05-03-2025	
1.	pH @ 25 ° C	--	8.18	7.16	8.22	7.46	8.24	IS 3025(Part 11):2022
2.	Salinity	ppt	3.4	1	1.1	1.2	1.3	APHA 24th Ed.,2023,2520 B
3.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	IS 3025(Part 39):2021
4.	Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	GC/GCMS
5.	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	IS 3025 (PART 47) 1994
6.	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	APHA 24th Ed.,2023,3114-C
7.	Nickel as Ni	mg/L	0.084	0.068	0.079	0.086	0.092	IS 3025 (PART 54) 2003
8.	Total Chromium as Cr	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	IS 3025 (PART 52) 2003
9.	Cadmium as Cd	mg/L	0.038	0.028	0.031	0.026	0.038	IS 3025(PART 41) 1992
10.	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	APHA 24th Ed.,2023, 3112-B
11.	Zinc as Zn	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	IS 3025(PART 49) 1994
12.	Copper as Cu	mg/L	0.068	0.062	0.086	0.082	0.111	IS 3025 (PART 42) 1992
13.	Iron as Fe	mg/L	BDL(MDL:0.1)	0.242	0.386	0.588	0.143	IS 3025(PART 53) 2003
14.	Insecticides/Pesticides	µg/L	Absent	Absent	Absent	Absent	Absent	USEPA 8081 B
15.	Depth of Water Level from Ground Level	meter	1.9	2.1	2.1	2.2	2.1	--



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 (PM2.5)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	0.01 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³

Stack Emission Monitoring

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

ETP Water

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

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

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

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

Annexure – 6

APSEZL/EnvCell/2024-25/094

Date: 04/02/2025

To,
The Regional Officer,
Regional Office (Kutch-East),
 Gujarat Pollution Control Board,
 Gandhidham, 370201.

Sub : Submission of compliance to observation/suggestion/instruction made by GPCB officials during inspection.

Reference : GPCB Inspection letter dated 30.01.2025, PCB ID: 17739.

Respected Sir,

With reference to the aforementioned subject, Adani Ports and Special Economic Zone Limited (APSEZL) hereby submits the compliance details and responses concerning your observations and remarks as outlined below:

Sr. No.	Inspection Remarks	Compliance
1.	To comply the conditions of Environmental Clearance.	APSEZL has recently been granted the Environment & CRZ Clearance Order by the Ministry of Environment, Forest and Climate Change (MoEF&CC) on date 13.08.2024, for the "Expansion of Waterfront Development Plan (WFDP)" at Mundra. APSEZL is complying with the stipulated conditions in accordance with the granted order on 13.08.2024. The EC & CRZ Compliance Report for the period from April 2024 to September 2024 was submitted to the respective government bodies via email dated 30.11.2024 and was also uploaded to the "Parivesh Portal" of MoEF&CC. Acknowledgement copy of Parivesh Portal is attached as Annexure - 1 .
2.	To submit the details production, water consumption, wastewater generation, fuel consumption, hazardous waste generation & disposal for last three months.	Details of cargo handling, water consumption, wastewater generation, fuel consumption, and hazardous waste generation and disposal for the past three months (Oct-2024 to December-2024) are attached as Annexure - 2 .

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

Tel +91 2838 25 5000
 Fax +91 2838 25 51110
 info@adani.com
 www.adani.com

- GPCB Inspection Visit Report dated 30.01.2025 Uploaded in XGN on 04/02/2025 20:06:10 from IP No: 172.16.31.15.

- Note: IP of machine is captured by the browser of client machine. IP is depends upon the Internet Service Provider.

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

Kindly consider our compliance against the given written instructions dated 30th January 2025 and acknowledge the same.

Thank you
Yours Faithfully,

For, Adani Ports and Special Economic Zone Limited


Bhagwat Swaroop Sharma
Head – Environment

Encl: As above

Copy to:

The Unit Head,
GPCB – Head Office,
Paryavaran Bhavan Sector 10 A,
Gandhi Nagar 382010.

Adani Ports and Special Economic Zone Ltd
Adani House,
PO Box No. 1
Mundra, Kutch 370 421
Gujarat, India
Tel +91 2838 25 5000
Fax +91 2838 25 51110
info@adani.com
www.adani.com

- GPCB Inspection Visit Report dated 30/01/2025 uploaded in XGN on 04/02/2025 20:06:10 from IP No: 172.16.31.15.

- Note: IP of machine is captured by the browser of client machine. IP is depends upon the Internet Service Provider.

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



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

**Gujarat Pollution Control Board, Kutch West
Katira Commercial Complex-1, First Floor
Near Income Tax office, Manglam Char rasta ,Sanskar
nagar,
BHUJ - 370 001**

Sample ID:476434 - Analysis Completion:11/02/2025

**Ports and harbour, jetties and dredging operations / LAB Inward :
9067**

TEST REPORT

Test Report No. : 9067

Date: 14/02/2025

- | | |
|---|--|
| 1. Name of the Customer | : Adani Ports & Special Economic Zone Ltd. - 17739 |
| 2. Address | : 169/P,AT-NAVINAL ISLAND,MUNDRA, KUTCH
Mundra-370421, Taluka : Mundra, District : Kutch East, GIDC : MPSEZ |
| 3. Nature of Sample | : REP-Representative/Grab, (Insp Type : APP-On Application) |
| 4. Sample Collected By | : S. S. Chauhan, DEE |
| 5. Quantity of Sample Received | : 5 lit |
| 6. Code No. of the Sample | : 476434 |
| 7. Date & Time of Collection & Inwarding | : 30/01/2025 , (1800 to 1800) & 03/02/2025 |
| 8. Date of Start & Completion of Analysis | : 03/02/2025 & 11/02/2025 |
| 9. Sampling Point | : From final outlet of ETP ~ |
| 10. Flow Details (Remarks) | : ---- |
| 11. Mode of Disposal | : On land for plantation & gardening within the premises |
| 12. Ultimate Receiving Body | : onland for irrigation. |
| 13. Temperature on Collection | : 29 & pH Range on pH Strip :7 to 8 on pH strip |
| 14. Carboys Nos for | : W-2 & Color & Appearance :Colourless |
| 15. Water Consumption & W.W.G (KLPD) | : Ind :1304.110 , Dom :370.000 & Ind :90.310 , Dom :263.000 |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	29
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2017	1 – 14 pH value As or	7.03
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 23rd edi. 2017	2 - to 99 Hazen & 1-50	5.0
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	496
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	10
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	0.56
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	28
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	230
9	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	80
10	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	25
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	<1.0
12	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	BDL
13	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	<5.0
14	Sodium Absorption Ratio(SAR)	SAR	IS11624-1986(Reaffirmed 2009)	1 – 50 v Meq/L	1.8

Laboratory Remarks : approve By:325-h.o_325 Dt.: 14/02/2025

S. R Parmar

Field Observation :

Note : 1. * - These parameters are NOT covered under the scope of NABL.

- The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
- Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
- Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
- Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
- Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

Annexure – 7



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 – 8

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2022 – 23	2023 – 24	2024 – 25	2024 – 25
1.	Environmental Study / Audit and Consultancy	7.32	22.67	40.46	27
2.	Legal & Statutory Expenses	12.32	8.60	17.37	13
3.	Environmental Monitoring Services	15.32	13.37	17.27	19.20
4.	Hazardous / Non-Hazardous Waste Management & Disposal	104.035	130.11	122.46	172.40
5.	Environment Days Celebration and Advertisement / Business development	2.53	3.42	1.85	4.00
6.	Treatment and Disposal of Bio-Medical Waste	2.29	2.28	2.39	2.28
7.	Mangrove Plantation, Monitoring & Conservation	35.0	15	0	0
8.	Other Horticulture Expenses	956	904	570	831
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	141.33	186.94	164.31	195.41
10.	Expenditure of Environment Dept. (Apart from above head)	90.136	80.39	93.40	75.92
Total		1366.28	1366.78	1029.51	1340.21

Annexure – 9

Compliance Report of CIA Study Environment Management Plan

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
1	Land Use Change						
1.1	<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	<p>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.</p>	<p>The existing townships will be expanded to accommodate about 4 lakh people when the APSEZ is fully developed.</p>	APSEZ	As and when Required	<p>APSEZ has developed two townships (Shantivan and Samudra) accommodating 4677 households and associated infrastructure facilities. Accommodation is made available for all interested employees working within Adani group & SEZ industries. Out of which 93.65 % 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 township 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>

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
	of vectors and disease.						<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, APSEZ 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>

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
			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 was submitted during the compliance report submission for the period Apr'24 to Sep'24. During compliance period FY 2024-25 total recorded rain fall was 1365 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 de-silting 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.

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
			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 date 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</p>

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude1	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance				
	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>APSEZ in year 2016-17. The cost of said study was 3.15 Cr, which was incurred by APSEZ.</p> <p>As a part of mangrove conservation plan, APSEZ has done following activities.</p> <p>a. Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island through NCSCM, Chennai. The cost of the said study was INR 23.56 Lacs incurred by APSEZ.</p> <p>b. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ.</p> <p>c. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report is attached as Annexure – 4.</p> <p>d. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25 which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.</p> <p><u>Summary of Conservation of mangroves:</u></p> <table><tr><td></td><td>Monitoring Agency</td><td></td><td>Mangrove cover area Increased</td></tr></table>		Monitoring Agency		Mangrove cover area Increased
	Monitoring Agency		Mangrove cover area Increased								

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																																
							<table><tr><th>Mangrove mapping Year</th><th></th><th>Mangrove cover total Area (Ha.)</th><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td rowspan="2">NCSCM</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>NCSCM</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>GUIDE</td><td>2723</td><td>127</td><td>4.89%</td></tr><tr><td>Total</td><td></td><td>2723</td><td>629</td><td>--</td></tr></table> <p>Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to 2021 (2723 Ha) is 629 Ha (30%).</p> <p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities.</p> <table><tr><th>Sr.</th><th>Recommendations</th><th>Compliance</th></tr></table>	Mangrove mapping Year		Mangrove cover total Area (Ha.)	Hac.	%	2011	NCSCM	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	NCSCM	2596	256	10.94%	2019 to 2021 till March	GUIDE	2723	127	4.89%	Total		2723	629	--	Sr.	Recommendations	Compliance
Mangrove mapping Year		Mangrove cover total Area (Ha.)	Hac.	%																																			
2011	NCSCM	2094	-	-																																			
2011 to 2016-17		2340	246	11.75%																																			
2017 to 2019 till March	NCSCM	2596	256	10.94%																																			
2019 to 2021 till March	GUIDE	2723	127	4.89%																																			
Total		2723	629	--																																			
Sr.	Recommendations	Compliance																																					

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		
							No.		
							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. As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%. This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction. Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019. The cost of the said study was INR 23.56 Lacs incurred by 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	
								<ul style="list-style-type: none"> According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23)), the distribution of mangroves in Kotadi, Baradi mata, Navinal, Bocha and Khari creeks as well as in the Bocha island was studied using LISS IV satellite images for the duration of March 2019 to March 2021. The mangrove cover in the creeks in and around APSEZ showed a positive trend from March 2019 to March 2021, with an overall increase of 52.79 ha (1.9%) compared to the cover during the year 2019. The total mangrove cover during 2019 was 2670 ha which has increased to 2723 ha during the year 2021. Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to 2021 (2723 Ha) is 629 Ha (30%). The cost of the said study was INR 23.60 Lacs incurred by APSEZ. <p>Summary of Mangrove mapping and monitoring (from 2011 to 2021):</p>

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude1	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance																													
									<table><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Ha c.</th><th>%</th></tr><tr><td>2011</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>2723</td><td>127</td><td>4.89</td></tr><tr><td>Total</td><td>2723</td><td>629</td><td>--</td></tr></table>	Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Ha c.	%	2011	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	2596	256	10.94%	2019 to 2021 till March	2723	127	4.89	Total	2723	629	--	
Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																																		
		Ha c.	%																																	
2011	2094	-	-																																	
2011 to 2016-17	2340	246	11.75%																																	
2017 to 2019 till March	2596	256	10.94%																																	
2019 to 2021 till March	2723	127	4.89																																	
Total	2723	629	--																																	
2.	Tidal observation in creeks in	• APSEZ carried out the tidal observations at locations similar to 2017 in Kotdi, Baradimata, Navinal,																																		

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		
								and around APSEZ	<p>Bocha and Khari creeks under the guidance of NCSCM.</p> <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.	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. 150000 during FY 2024-25. The algal removal report is attached as Annexure – 4.
							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 24 Villages. Project is covering total 15005 Cattles and hence enhancing cattle productivity. Dry Fodder 15,74,250Kg Green – 51,66,805 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder

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>supporting activities was approx. 410.48 Lacs during FY 2024-25, 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 on 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 report submission for the period Apr'24 to Sep'24. • Refer CSR report attached Annexure – 3. <p>To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years, presently APSEZ has awarded the work order to</p>

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>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>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 & study work has been completed. Final Mangrove mapping report is awaited from NCSCM.</p>
1.4	Development activities along the coast might cause certain changes in hydro-dynamic characteristics along the shoreline. Shoreline of any area also can be influenced by storm surges and		Detailed hydro-dynamic modelling and shoreline change prediction for a fully developed APSEZ facility has been studied. The study reveals that the erosion and accretion in the study	It is recommended to map the coastal morphology (Shoreline) at least once in three years	APSEZ	Continual Process	<p>Shore line change aspect has been studied in detail as part of following two studies;</p> <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. 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</p>

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
	other natural processes.		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 the Mundra shoreline.				<p>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 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>

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>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> <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</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)																				
			Maximum Accretion	Maximum Erosion																			
2015-2022	West Port	-11.43	39.86	-78.68																			
	Eastern side	-26.60	191.32	-165.19																			

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>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 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	Level-1	As per the master plan of APSEZ, eight artillery	Additional road as per master plan will be built in future based	APSEZ	As and When Required	Presently, ~ 39 % area is already developed & ~ 13% area is under construction phase out of the total SEZ area..

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>EIA Report of Multi-Product Special Economic Zone, the peak vehicular traffic from the port and SEZ operations (including supporting facilities and colony) could be in the order of 18,300 and 10,400 vehicles per day respectively.</p> <p>There could be a</p>		<p>roads will be connected to either state highway or national highway for evacuating the goods from APSEZ. None of these roads are passing through settlements, thereby avoiding traffic Congestions in the respective villages. The carrying capacity of the eight artillery roads connecting APSEZ is</p>	<p>on the overall progress of the project. Currently about 25% of cargo from APSEZ is transported by Rail and the same will be enhanced to 40% when the facility is fully developed in future. This will further reduce the traffic volumes on the regional road network.</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 ~40.79 %. 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>

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
	possible increase in traffic congestions on village-highway intersections and road accidents.		<p>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 master plan, seven roads were already developed and functional.</p>				
			APSEZ has been imparting Driver Training Programs to	APSEZ can undertake technical feasibility of implementing Intelligent	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> <p>✓ Basic induction Training for drivers</p>

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
			all their contractors to enhance awareness on road safety.	Transport System (ITS) for the freight carriers associated with their development activities.			<ul style="list-style-type: none"> ✓ ITV Driver Training ✓ ITV Driver Induction for Supervisor ✓ Defensive Driving for LMV & HMT ✓ 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. 915 Participants (On roll and contractual manpower) were benefitted from above trainings in compliance period Oct'24 to Mar'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.

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
							<ul style="list-style-type: none"> ✓ Traffic Awareness programs for the drivers and regular briefing of the drivers in the parking areas. ✓ Incident handling and root cause analysis for taking necessary action in order to avoid such incidents. ✓ BAC checks for the drivers in order to identify the intoxicated drivers and necessary action is being taken against them. ✓ Water spray drive at gates are being conducted on regular basis during night hours to avoid dozing by the driver while driving. ✓ RTMS devices are being installed at 08 critical locations in order to capture speed violations and enforcing road safety regulations. ✓ Display of traffic signages and lane markings on road in coordination with the Civil team for ensuring road safety rules are being followed by the road users. ✓ 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

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>Junctions and indicating Caution for the road users.</p> <ul style="list-style-type: none"> ✓ In case on any Vehicle found breakdown in main roads, we arrange the security crane / lifting machines to remove /relocated the vehicle. Which help for smooth passage to other vehicles. ✓ Ensuring Drivers must wear near necessary PPEs, for that we have arranged a PPE's Stall at APMS parking area (issued on chargeable basis). ✓ Night Patrolling and PA announcement by Traffic DSO to manage traffic condition. ✓ Safety briefing via PA system at Security Gate.
3	Water resources Management and sewage treatment & disposal Plan						
3.1	For a fully developed APSEZ facility, water demand will be in the order of 4,30,000 m ³ /day (430 MLD). APSEZ will be sourcing majority of the water from the	No-Impact	APSEZ is meeting the current water demand through Narmada water supply scheme and 47 MLD captive desalination plant at site. Necessary water allocation	As per the master plan and permissions granted under EC, APSEZ will be developing progressively 4,50,000 m ³ /day (450 MLD) of desalination plants to meet the future demand. Hence stress on regional water resources due to	APSEZ	As and When Required	<p>Presently there are two fresh water sources available with APSEZ.</p> <p>Desalination Plant – 80 MLD (47 MLD-Existing + 33 MLD New)</p> <p>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 31.89 MLD.</p> <p>So presently, these sources are adequate to fulfill the current freshwater requirement of entire APSEZ including member units.</p>

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

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
	37,000 m ³ /day (@125 lpcd) in future when the area is fully grown into larger municipality due to induced economic growth. Water demand of the local communities is met through Narmada water supply system to some extent, but largely depending on the		Adani Foundation has contributed about Rs. 300 Lakhs so far for the development of 18 check dams.				<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> <p>Water Conservation Projects completed during FY 2024-25 Compliance period:</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. • 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

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
	ground water in the study area. Mundra block is reported to be a safe ground block as on date. Due to influx of people and rapid urbanization due to the economic development, there could be some stress on the ground water resources in future.						<ul style="list-style-type: none"> Water Capacity Increase: 3,300,000 CUM Beneficiaries: 1,650 Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house <ul style="list-style-type: none"> 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 Beneficiaries: 9,600 Impact: Provides reliable drinking water sources <p>Earlier Completed Activities/Projects:</p> <ul style="list-style-type: none"> Large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 3 check dams.

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
							<ul style="list-style-type: none"> • Ground recharge activities (pond deepening work for 66 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers. • New Pond Deepening Under Ajadi ka Amrut Mahotsav done in Goyarsama village Approx Deepening Capacity is 12000 Cum. • Roof Top Rainwater Harvesting 145 Nos. (40 Nos. current FY 2022-23) which has 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family. • Recharge Borewell 208 Nos (19 Nos. current FY 2022-23) which is best ever option to direct recharge the soil. • Drip Irrigation approx. 1505 Farmers benefitted in coordination with Gujrat Green Revolution Company till date. • Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar. • Pond Pipeline work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area. • Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year. <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>

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
							Adani foundation has spent approx. INR 10079.78 lakhs from April – 2018 to March - 2025 for CSR activities which also includes water conservation projects as mentioned above.
3.3	It is estimated that about 60,000 m ³ /day (60 MLD) of sewage will be generated from the APSEZ facility when the 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 into either seasonal natural streams or marine environment.	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 existing practices, treated sewage will be utilized for greenbelt development.	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 individual 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 sewage generated from Mundra village through CETP and STP.</p> <p>Presently avg. 2.61 MLD of wastewater (into ETP, STPs & CETP) is treated and being utilized on land for horticulture purpose within APSEZ premises during</p>

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>Oct'24 to Mar'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 from the study area would increase.	Level-2	APSEZ and other thermal power plants have obtained valid consent to operate and have been operating the facilities as per the emission norms stipulated in respective consent orders.	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 time.	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 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 (Oct'24 to Mar'25) are as below.</p>

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																														
			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 within the study area have installed continuous emission and				<p>Locations: 18 Nos. (APSEZ – 15 + APL – 3 including 4 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. Limit[§]</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>42.00</td><td>85.91</td><td>70.96</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>14.61</td><td>42.39</td><td>27.52</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>7.15</td><td>34.01</td><td>19.13</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>9.83</td><td>38.46</td><td>23.04</td><td>80</td></tr></table> <p>[§] as per NAAQ standards, 2009 Values recorded confirms to the stipulated standards.</p> <p>Approx. INR 17.27 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2024-25, 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 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</p>	Parameter	Unit	Min	Max	Average	Perm. Limit [§]	PM ₁₀	µg/m ³	42.00	85.91	70.96	100	PM _{2.5}	µg/m ³	14.61	42.39	27.52	60	SO ₂	µg/m ³	7.15	34.01	19.13	80	NO ₂	µg/m ³	9.83	38.46	23.04	80
Parameter	Unit	Min	Max	Average	Perm. Limit [§]																																
PM ₁₀	µg/m ³	42.00	85.91	70.96	100																																
PM _{2.5}	µg/m ³	14.61	42.39	27.52	60																																
SO ₂	µg/m ³	7.15	34.01	19.13	80																																
NO ₂	µg/m ³	9.83	38.46	23.04	80																																

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
			air quality monitoring instruments as per CPCB directive.				<p>last visit was conducted during March, 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 level emission inventory data that can help to manage regional level air	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. • 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

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
				quality management goals.			<ul style="list-style-type: none"> Identify any surrounding villages affected by organization's improper waste disposal mechanism. <p>Last committee meeting was conducted on dated 16.05.2025 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. 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</p>

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
							monitoring reports of industries within SEZ are being submitted to the regulatory authorities as part of half yearly Compliance report of EC for Multi-Product SEZ.
4.2	Release of particulate emissions from handling and storage of coal at the port and power plants would influence PM10 and PM2.5 concentration in the background air. This could pose some health impacts such as asthma and COPD etc. among the	Health Impact	APSEZ has been implementing the following management plan to control emissions as per the applicable regulations and similar practices will be adopted in future: Entire bulk material handling facilities are mechanized. Regular water sprinkling on road and	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 Development of greenbelt along the periphery of the storage yards/back up area Mechanized handling system for coal and other dry bulk cargo Wagon loading and truck loading through closed silo

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																								
	local communities.		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">Optimized 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 as Annexure – 11.</p> <p>The stack monitoring summary for last six months (Oct'24 to Mar'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>PM</td><td>mg/ Nm³</td><td>150</td><td>18.86</td><td>32.11</td><td>22.41</td></tr><tr><td>SO₂</td><td>Ppm</td><td>100</td><td>6.15</td><td>18.75</td><td>9.28</td></tr><tr><td>NO_x</td><td>ppm</td><td>50</td><td>18.79</td><td>35.19</td><td>23.45</td></tr></table> <p>Values recorded confirms to the stipulated standards.</p> <p>Approx. INR 17.27 Lakhs is spent by APSEZ for environmental monitoring activities during the FY</p>	Parameter	Unit	GPCB Limit	Min	Max	Avrg.	PM	mg/ Nm ³	150	18.86	32.11	22.41	SO ₂	Ppm	100	6.15	18.75	9.28	NO _x	ppm	50	18.79	35.19	23.45
Parameter	Unit	GPCB Limit	Min	Max	Avrg.																										
PM	mg/ Nm ³	150	18.86	32.11	22.41																										
SO ₂	Ppm	100	6.15	18.75	9.28																										
NO _x	ppm	50	18.79	35.19	23.45																										

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>2024-25, 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>
			covering of other types of dry bulk cargo heaps by protective materials, installation of wind breaking wall, development of greenbelt along the periphery of the storage yards/back up area and mechanized	An internal Coal Dust Management Working Group shall be formed by APSEZ to effectively co-ordinate the approach to coal dust management and monitoring	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. 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, 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</p>

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
			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 norms as per the respective ECs granted. Due to installation of tall stacks				<p>from coal hips.</p> <p>Last committee meeting was conducted on dated 16.05.2025 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. • 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.

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
			as per CPCB guidelines and EC conditions, the relative air pollution impacts due to release of emissions from two power plants is insignificant.				
4.3	Ships are one of the significant sources of SO ₂ and NO _x emissions in the study area. Marine diesel engines on the ships often utilize fuel oils that might	Level-2	A Standard Operating Procedure (SOP) has been developed to be included as a part of APSEZ environment management	The current global limit for Sulphur content of ships fuel oil is 3.5 % m/m (mass by mass). According to MARPOL, the new global cap on sulphur in the marine vessel fuels will be 0.50% m/m by the 1st January	APSEZ and Ship Owners	Long Term	The ships coming to the APSEZ is complying with MARPOL and other shipping rules and regulations. APSEZ has already started providing shore power supply to the tugs (11 Nos.), dredgers (2 Nos.) and 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.

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
	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 of engine. Due to lower stack heights of the marine diesel engine, ship		plan to verify that all ships anchored at the port are adopting the MARPOL4 regulations.	2025. APSEZ should explore the possibility of providing shore power to the ships at the port to reduce idling stage ship emissions.			

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
	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.						
4.4	Road vehicle emissions will be other major contributors to the air	Level-2	Not Applicable	Due to implementation of Bharat VI fuels (MoEF&CC) in near future the vehicular and diesel engine emissions will be reduced by about 50% from the current national	APSEZ and All Industries	Short Term	<p>Presently, cargo evacuation through rail / conveyer / pipeline is ~40.79 % of overall cargo evacuation.</p> <p>Vehicles having valid PUC certificate are only being 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</p>

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
	pollution in the region when the facility is fully developed.			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.			manpower movement and all are in operation. Electrification of Rail Corridor from Dhrub Railway Station to Adipur Railway Station has completed and movement started by electric locomotive. It will lead to reduce the gaseous emission and increase efficiency of transportation by rail.
5	Noise emissions						
5.1	Noise emissions are envisaged from port operations, industrial operations and power plants in the study area.	Level-1	Due to adoption of various mechanized operations at the waterfront development, the noise emissions from the port cargo handling will	APSEZ, all the tenant industries and facilities within APSEZ are required to undertake noise monitoring at their facilities to demonstrate the compliance with the Noise level standards. Continuous noise	APSEZ	Continual Process	Below Safeguard measures are already taken for abatement of noise emissions. <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 equipment's on regular frequency. Noise monitoring is being carried out by NABL accredited and MoEF&CC authorized agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi as per permission granted and reports are being submitted to the concerned authorities on regular

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																		
	Any increase in noise levels beyond three decibels from the background levels would be perceived as noise nuisance (USEPA)7.		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. Predicted noise levels were found to be well within the designated 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.			<p>basis.</p> <p>The noise monitoring summary for last six months (Oct'24 to Mar'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 Maxn</th><th>Leq Avr.</th><th>Leq Perm. Limit[§]</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>69.30</td><td>47.90</td><td>63.36</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>66.40</td><td>38.70</td><td>59.61</td><td>70</td></tr></table> <p>[§] as per GPCB standards</p> <p>Approx. INR 17.27 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2024-25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p> <p>All the results are well within the standards. From this it can be inferred that there no impacts on the surrounding community.</p> <p>All other industries located in the APSEZ are adhere to monitor and control the ambient noise level as per permission granted by SPCB and same is being</p>	Noise	Unit	Leq Min	Leq Maxn	Leq Avr.	Leq Perm. Limit [§]	Day Time	dB(A)	69.30	47.90	63.36	75	Night Time	dB(A)	66.40	38.70	59.61	70
Noise	Unit	Leq Min	Leq Maxn	Leq Avr.	Leq Perm. Limit [§]																				
Day Time	dB(A)	69.30	47.90	63.36	75																				
Night Time	dB(A)	66.40	38.70	59.61	70																				

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
			standards for Industrial facilities.				confirmed by APSEZ as well as SPCB on regular basis. Further, till date APSEZ has not received any grievances/notice for noise issues from any of the stakeholders.
				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 in the specific zones.	APSEZ	Continual Process	As mentioned above, earlier APSEZ has formed Internal Environment Monitoring Committee, involving Officials of APSEZ, Adani Power Limited & other member units, having role and responsibilities as defined above. Last committee meeting was conducted on dated 16.05.2025 and below were the point of discussion for way forward. <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.

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
							<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. 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 water quality of streams, estuaries and marine water	Level -1	As per the master plan of APSEZ, 67 MLD of wastewater is expected to be generated from the fully developed scenario, for which necessary permissions to set up	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 facility should limit the marine discharge of treated industrial wastewater to 16 MLD as per 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 902.45 KLD (Avg.) during this compliance period hydraulic load and considering the current development scenario, existing CETP is adequate to treat and handle the total effluent load coming from industries within SEZ.</p> <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</p>

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
	bodies.		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 wastewater from CETP meets the stipulated discharge norms for	permits. Remaining treated wastewater shall be utilized for horticulture purpose.			<p>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. 2.61 MLD (from CETP, ETP & STPs) of treated water is being utilized on land for horticulture purpose within APSEZ premises during period Oct'24 to Mar'25 and no discharge is made to any other source.</p>

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
			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 discharged into natural bodies as on date..	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.
			Runoff during	Storm water runoff from the			There are provision of drains around coal stack yard to carry to runoff water to dump ponds. This water is

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																																																
			monsoon from coal storage yards is collected in sedimentation ponds (dump pond) to remove any residual dust particulates for further disposal into sea	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 shall be discharged into storm water-drains.	APSEZ	Continual	<p>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 (Oct'24 to Mar'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>7.91</td><td>8.30</td><td>8.16</td><td>7.74</td><td>8.30</td><td>8.11</td></tr> <tr> <td>BOD</td><td>mg/L</td><td>2.20</td><td>4.40</td><td>3.13</td><td>BDL (MDL:1.0)</td><td>4.50</td><td>3.04</td></tr> <tr> <td>TSS</td><td>mg/L</td><td>26.90</td><td>144.00</td><td>90.12</td><td>32.90</td><td>132.00</td><td>84.64</td></tr> <tr> <td>DO</td><td>mg/L</td><td>4.50</td><td>6.69</td><td>5.62</td><td>4.40</td><td>6.49</td><td>5.42</td></tr> </tbody> </table>	TEST PARAMETERS	UNIT	Cumulative Surface			Cumulative Bottom					Min	Max	Average	Min	Max	Average	pH	--	7.91	8.30	8.16	7.74	8.30	8.11	BOD	mg/L	2.20	4.40	3.13	BDL (MDL:1.0)	4.50	3.04	TSS	mg/L	26.90	144.00	90.12	32.90	132.00	84.64	DO	mg/L	4.50	6.69	5.62	4.40	6.49	5.42
TEST PARAMETERS	UNIT	Cumulative Surface			Cumulative Bottom																																																		
		Min	Max	Average	Min	Max	Average																																																
pH	--	7.91	8.30	8.16	7.74	8.30	8.11																																																
BOD	mg/L	2.20	4.40	3.13	BDL (MDL:1.0)	4.50	3.04																																																
TSS	mg/L	26.90	144.00	90.12	32.90	132.00	84.64																																																
DO	mg/L	4.50	6.69	5.62	4.40	6.49	5.42																																																

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																								
							<table border="1"> <tr> <td>Salinity</td><td>ppt</td><td>35.20</td><td>39.20</td><td>36.46</td><td>26.76</td><td>39.40</td><td>36.91</td></tr> <tr> <td>TDS</td><td>mg/L</td><td>34410</td><td>36550</td><td>35858</td><td>35370</td><td>37610</td><td>36873</td></tr> <tr> <td>Temperature</td><td>oC</td><td>29.00</td><td>30.70</td><td>29.90</td><td>28.90</td><td>30.60</td><td>29.71</td></tr> </table> <p style="text-align: right;">MDL – Minimum Detection Limit</p> <p>Approx. INR 17.27 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2024-25, which also includes ambient air quality monitoring for overall APSEZ, Mundra.</p>	Salinity	ppt	35.20	39.20	36.46	26.76	39.40	36.91	TDS	mg/L	34410	36550	35858	35370	37610	36873	Temperature	oC	29.00	30.70	29.90	28.90	30.60	29.71
Salinity	ppt	35.20	39.20	36.46	26.76	39.40	36.91																								
TDS	mg/L	34410	36550	35858	35370	37610	36873																								
Temperature	oC	29.00	30.70	29.90	28.90	30.60	29.71																								
			Detailed marine hydrodynamic modelling studies revealed that the current and proposed dredged soil disposal practices, sea water intake and outfall facilities and desalination	Good dredging practices shall be adopted by APSEZ: (i).Improving the dredging accuracy (ii).Improving onboard automation and monitoring, (iii). Reduce spill and loss, (iv). evaluating the need for installing silt screens near	APSEZ	Long Term	<p>No capital dredging has been done, since Apr 2015 to Aug 2024.</p> <p>Capital dredging or reclamation is carried out in CRZ – 1 (A) area during the compliance period Oct'24 to Mar'25. Total 1.55 MCuM Capital dredging has been carried out during the compliance period Oct'24 to Mar'25.</p> <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. (2 Nos. Cutter suction + 1 No. Trailer suction) of dredgers are in operation for dredging.</p>																								

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
			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 quality monitoring on monthly basis.	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 monitoring program shall be continued as per the directions of MoEF&CC and GPCB.			<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>
7	Groundwater quality and salinity ingress						

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
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 people might increase in Mundra region. This might increase the	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 m ³ /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 (47 MLD – Existing + 33 MLD – New) desalination plant developed 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 is attached as Annexure – 12.</p> <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 is attached as Annexure – 13.</p>

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
	TDS and chloride levels in the ground water in future.						Balance 287 MLD capacity desalination plant will be developed on a modular basis as per business requirement.
7.2	Due to induced growth in the region, pressure on the available ground water source would increase and this could pose some threat to salinity ingress.	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-watershed in the area will not be disturbed. Due to the above reasons, the	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> <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</p>

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
			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 from year 2013 to 2016 across the Mundra and Anjar blocks. This aspect confirms				<p>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> <p>Water Conservation Projects completed during last Compliance period:</p> <p>Water Conservation Projects completed during FY 2024-25 Compliance period:</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. • 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

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
			that the overall salinity ingress from the shore into the land due to existing APSEZ facilities and power plant outfalls are less significant.				<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>Earlier Completed Activities/Projects:</p> <ul style="list-style-type: none"> Large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 3 check dams. Ground recharge activities (pond deepening work for 61 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers. New Pond Deepening Under Ajadi ka Amrut Mahotsav done in Goyarsama village Approx Deepening Capacity is 12000 Cum.

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
							<ul style="list-style-type: none"> • Roof Top Rainwater Harvesting 145 Nos. (40 Nos. current FY 2022-23) which has 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family. • Recharge Borewell 208 Nos (19 Nos. current FY 2022-23) which is best ever option to direct recharge the soil. • Drip Irrigation approx. 1505 Farmers benefitted in coordination with Gujrat Green Revolution Company till date. • Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar. • Pond Pipeline work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area. • Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year. <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 Dept., (WRD)1 has been implementing various salinity</p>

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																														
							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 regional level ground water conservation	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 (Oct'24 to Mar'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>7.13</td><td>8.41</td><td>7.83</td></tr><tr><td>Salinity</td><td>ppt</td><td>0.90</td><td>17.64</td><td>3.98</td></tr><tr><td>Oil & Grease</td><td>mg/L</td><td>BDL(MDL:2.0)</td><td>BDL(MDL:2.0)</td><td>BDL(MDL:2.0)</td></tr><tr><td>Hydrocarbon</td><td>mg/L</td><td>Not Detected</td><td>Not Detected</td><td>Not Detected</td></tr><tr><td>Lead as Pb</td><td>mg/L</td><td>0.01</td><td>0.02</td><td>0.02</td></tr></table>	Parameters	Unit	Min	Max	Average	pH @ 25 ° C	--	7.13	8.41	7.83	Salinity	ppt	0.90	17.64	3.98	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected	Lead as Pb	mg/L	0.01	0.02	0.02
Parameters	Unit	Min	Max	Average																																	
pH @ 25 ° C	--	7.13	8.41	7.83																																	
Salinity	ppt	0.90	17.64	3.98																																	
Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)																																	
Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected																																	
Lead as Pb	mg/L	0.01	0.02	0.02																																	

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																																																			
				action committee can be formed under the guidance of state ground water board and district Administration.			<table><tr><td>Arsenic as As</td><td>mg/L</td><td>BDL(MDL:0.01)</td><td>BDL(MDL:0.01)</td><td>BDL(MDL:0.01)</td></tr><tr><td>Nickel as Ni</td><td>mg/L</td><td>0.09</td><td>0.15</td><td>0.10</td></tr><tr><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>Cadmium as Cd</td><td>mg/L</td><td>0.03</td><td>0.88</td><td>0.15</td></tr><tr><td>Mercury as Hg</td><td>mg/L</td><td>BDL(MDL:0.001)</td><td>BDL(MDL:0.001)</td><td>BDL(MDL:0.001)</td></tr><tr><td>Zinc as Zn</td><td>mg/L</td><td>0.06</td><td>0.11</td><td>0.09</td></tr><tr><td>Copper as Cu</td><td>mg/L</td><td>0.08</td><td>0.11</td><td>0.09</td></tr><tr><td>Iron as Fe</td><td>mg/L</td><td>0.12</td><td>0.61</td><td>0.26</td></tr><tr><td>Insecticides/ Pesticides</td><td>µg/L</td><td>Absent</td><td>Absent</td><td>Absent</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1.95</td><td>2.25</td><td>2.11</td></tr></table>	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	Nickel as Ni	mg/L	0.09	0.15	0.10	Total Chromium as Cr	mg/L	Not Detected	Not Detected	Not Detected	Cadmium as Cd	mg/L	0.03	0.88	0.15	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	Zinc as Zn	mg/L	0.06	0.11	0.09	Copper as Cu	mg/L	0.08	0.11	0.09	Iron as Fe	mg/L	0.12	0.61	0.26	Insecticides/ Pesticides	µg/L	Absent	Absent	Absent	Depth of Water Level from Ground Level	meter	1.95	2.25	2.11	<p>BDL – Below Detection Limit MDL – Minimum Detection Limit</p> <p>Approx. INR 17.27 Lakhs is spent by APSEZ for environmental monitoring activities during the FY 2024-25, which also includes ambient air 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>
Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)																																																						
Nickel as Ni	mg/L	0.09	0.15	0.10																																																						
Total Chromium as Cr	mg/L	Not Detected	Not Detected	Not Detected																																																						
Cadmium as Cd	mg/L	0.03	0.88	0.15																																																						
Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)																																																						
Zinc as Zn	mg/L	0.06	0.11	0.09																																																						
Copper as Cu	mg/L	0.08	0.11	0.09																																																						
Iron as Fe	mg/L	0.12	0.61	0.26																																																						
Insecticides/ Pesticides	µg/L	Absent	Absent	Absent																																																						
Depth of Water Level from Ground Level	meter	1.95	2.25	2.11																																																						

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>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 including Mundra town. These wastes would contain	Level-2	APSEZ has been adopting Zero waste Initiatives and the entire waste generated from existing operations is segregated and disposed to recycling vendors, thereby APSEZ has achieved zero landfill	APSEZ will continue to adopt Zero Waste Initiative and wastes will be segregated at source and disposed to various recycling vendors, co-processing in cement plants. This initiative helps not only to reduce the waste to landfill significantly, but also to recycle	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 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</p>

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
	recyclable material, construction debris, organic waste, inert material and e-waste etc. In the absence of any organized source segregation programs and material recycling strategies and infrastructure facilities, these wastes will enter into environment and would pose long term health		status as on date.	the materials there by avoiding ecological impacts.			<p>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 is attached as Annexure – 7.</p> <p>APSEZ is being done proper solid waste management in his operational area with 5R principle as per Waste Management Plan.</p>

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
	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 Waste Management Rules 2016	APSEZ	Continual Process	
8.3	About 35 TPD (13,000	Level-2	As per the MSW Rules	Solid Waste Management Program shall be	All Industries	Continual	

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
	TPA) of solid waste would be generated from the proposed industrial areas located outside the APSEZ area.		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.	adopted and implemented as per Municipal Solid Waste Management Rules 2016 and Construction Waste Management Rules 2016		Process	
9	Ecological aspects (terrestrial and marine)						
9.	About 1576 ha of shrub forest land contiguous	Level -1	It is noted that the designated forest land is free from any native	APSEZ has approached concerned authorities for diversion of designated forest land. Suitable	APSEZ/State Forest	Long Term	<p>Stage – 1 Forest clearance granted for diversion of 1576.81 Ha Forest land. Compliance of stage-1 forest clearance is process. After getting EC & CRZ Clearance, Stage-2 Forest clearance will be obtained.</p> <p>APSEZ has applied for getting EC & CRZ clearance for SEZ / Industrial Park in 1576.81 Ha Forest land.</p>

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
1	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.		vegetation and comprises of Prosopis juliflora. It is also noted that no endangered species are present at the shrub forests that are applied for land diversion. It is also noted that no forest produce is reported from this designated forest land parcel due to lack of economic importance	compensatory afforestation plan shall be adopted based on the recommendations and directions of the concerned authorities. Due to adoption of compensatory afforestation program through a scientific manner, the overall ecological footprint in the district will be increased. Due to plantation of native tree species as part of greenbelt development, the overall biodiversity of the region will increase	Department*		ToR accorded by MoEF&CC on 30.11.2021 and draft EIA is being carried out through NABET accredited consultant. Recently, 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.

S. No.	Identified environmental and social impacts for the fully developed scenario (year 2030)	Type of Impact & Magnitude	Environment management plans adopted or being adopted by APSEZ as per permits, clearances, applicable regulations and guidelines etc.	Additional Risk Mitigation Measures/ESMP	Responsible agency	Timeframe for implementation	Compliance
			of plant species reported in the shrub forest. It is also noted that no tribal lands are located in the designated forest land parcel. Hence there will not be any change in biodiversity due to the proposed diversion.	considerably when the project is fully developed.			
9.2	Mangrove conservation areas are located	Level -1	No development activities will be undertaken within	Mangrove footprint and health status	APSEZ	Continual Process	As per study conducted by NCSCM in 2017, mangrove cover in and around APSEZ, Mundra has increased from 2094 Ha to 2340 ha (as compared between 2011 to 2017). The analysis has shown an overall growth of 246 ha. The cost for said study was INR 3.15 Cr.

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
	adjacent to the APSEZ area. Accidental discharges of industrial effluents into the marine environment would pose certain ecological risk.		mangrove conservation areas. APSEZ has taken up large scale mangrove afforestation activities in an area of more than 2800 ha at various locations across the coast of Gujarat state in consultation with various organizations. The Adani Foundation introduced 'Mangrove Nursery Development	shall be monitored annually			<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 in year 2016-17. The cost of said study was 3.15 Cr, which was incurred by APSEZ.</p> <p>As a part of mangrove conservation plan, APSEZ has done following activities.</p> <ol style="list-style-type: none"> Monitoring of mangrove distribution in creeks in and around APSEZ and shoreline changes in Bocha island through NCSCM, Chennai. The cost of the said study was INR 23.56 Lacs incurred by APSEZ. Tidal observation in creeks in and around APSEZ – The cost of the said activity was INR 1.0 Lacs incurred by APSEZ. Algal & Prosopis removal from Mangrove area - The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report is attached as Annexure – 4. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25, which was incurred by APSEZ. This activity is being done on continuous basis as a part of CSR activity.

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																															
			t and Plantation' scheme in the area as an alternative income generating activity for the people of the region.				<div><p>Summary of Conservation of mangroves:</p><table><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Monitoring Agency</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Hac.</th><th>%</th></tr><tr><td>2011</td><td rowspan="2">NCSCM</td><td>2094</td><td>-</td><td>-</td></tr><tr><td>2011 to 2016-17</td><td>2340</td><td>246</td><td>11.75%</td></tr><tr><td>2017 to 2019 till March</td><td>NCSCM</td><td>2596</td><td>256</td><td>10.94%</td></tr><tr><td>2019 to 2021 till March</td><td>GUIDE</td><td>2723</td><td>127</td><td>4.89%</td></tr><tr><td>Total</td><td></td><td>2723</td><td>629</td><td>--</td></tr></table></div> <p>Hence, overall increase in mangrove cover area in creek system in and around APSEZ from 2011 (2094 Ha) to 2021 (2723 Ha) is 629 Ha (30%).</p> <p>As a part of GCZMA recommendations and NCSCM mangrove conservation action plan, APSEZ has undertaken following activities.</p>	Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Hac.	%	2011	NCSCM	2094	-	-	2011 to 2016-17	2340	246	11.75%	2017 to 2019 till March	NCSCM	2596	256	10.94%	2019 to 2021 till March	GUIDE	2723	127	4.89%	Total		2723	629	--
Mangrove mapping Year	Monitoring Agency	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																																			
			Hac.	%																																		
2011	NCSCM	2094	-	-																																		
2011 to 2016-17		2340	246	11.75%																																		
2017 to 2019 till March	NCSCM	2596	256	10.94%																																		
2019 to 2021 till March	GUIDE	2723	127	4.89%																																		
Total		2723	629	--																																		

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		
							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. As a part of this study, overall growth of mangroves in the creeks in and around APSEZ was assessed comparing Google earth images of 2017 & 2019 and it is observed that there was increase in mangrove cover between March 2017 and September 2019 to the extent of 256 Ha, which is about 10.94%. This suggests that the mangroves and the tidal system in the creeks remain undisturbed over this period. Analysis of data between categories indicated that there was an increase in dense

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>mangroves and also conversion of scattered to sparse which also shows that the growth of mangroves in a progressive direction.</p> <ul style="list-style-type: none"> Hence, there is an overall growth of mangroves in creeks in and around APSEZ, Mundra is 502 Ha between 2011 and 2019. The cost of the said study was INR 23.56 Lacs incurred by APSEZ. According to GUIDE Mangrove monitoring study report November 2023 (the report was submitted during the last compliance report submission Apr'23 to Sep'23)), the distribution of mangroves in Kotadi, Baradi mata, Navinal, Bocha and Khari creeks as well as in the Bocha island was studied using LISS IV satellite images for the duration of March 2019 to March 2021. The mangrove cover in the creeks in and around APSEZ showed a positive trend from March 2019 to March 2021, with an overall

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												
									<div>increase of 52.79 ha (1.9%) compared to the cover during the year 2019. The total mangrove cover during 2019 was 2670 ha which has increased to 2723 ha during the year 2021.</div> <div><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 2021 (2723 Ha) is 629 Ha (30%).The cost of the said study was INR 23.60 Lacs incurred by APSEZ.</div> <div>Summary of Mangrove mapping and monitoring (from 2011 to 2021):</div> <table><thead><tr><th rowspan="2">Mangrove mapping Year</th><th rowspan="2">Mangrove cover total Area (Ha.)</th><th colspan="2">Mangrove cover area Increased</th></tr><tr><th>Hac.</th><th>%</th></tr></thead><tbody><tr><td>2011</td><td>2094</td><td>-</td><td>-</td></tr></tbody></table>	Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased		Hac.	%	2011	2094	-	-
Mangrove mapping Year	Mangrove cover total Area (Ha.)	Mangrove cover area Increased																	
		Hac.	%																
2011	2094	-	-																

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					
									2011 to 2016-17	2340	246	11.75%
									2017 to 2019 till March	2596	256	10.94%
									2019 to 2021 till March	2723	127	4.89
									Total	2723	629	--
							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	<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,			

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		
								mangrove areas	<p>which has been removed manually.</p> <ul style="list-style-type: none"> The cost of the said activity was Rs. 150000 during FY 2024-25. The algal removal report is attached as Annexure - 4.
							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 24 Villages. Project is covering total 15005 Cattle and hence enhancing cattle productivity. Dry Fodder 15,74,250 Kg Green – 51,66,805 Kg. Awareness of mangroves importance in surrounding communities & Fodder support - The expenditure for fodder supporting activities was approx. 410.48 Lacs during FY 2024-25, which was incurred by 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	
								<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 on 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 report submission for the period Apr'24 to Sep'24. • Refer CSR report attached as Annexure - 3.
								To comply with the GCZMA recommendations regarding mangrove monitoring at every 2 years,

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>presently 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>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 & study work has been completed. Final Mangrove mapping report is awaited from NCSCM.</p>
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	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	<p>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.</p> <p>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.</p> <p>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.</p>

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																						
			from the prevailing background levels as the outfalls are located far away. APSEZ and respective power plants in the study area have been monitoring the marine water quality status on monthly basis for the stipulated environmental and ecological parameters.				<p>The comparison of marine water results between CIA and current monitoring data are as below.</p> <table><tr><th rowspan="2">Parameter</th><th rowspan="2">Unit</th><th colspan="2">Max</th><th colspan="2">Min</th></tr><tr><th>CIA</th><th>Present</th><th>CIA</th><th>Present</th></tr><tr><td>Temp.</td><td>°C</td><td>36.4</td><td>25.4</td><td>35.2</td><td>24.4</td></tr><tr><td>Salinity</td><td>ppt</td><td>29.5</td><td>36.5</td><td>29</td><td>35.8</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>	Parameter	Unit	Max		Min		CIA	Present	CIA	Present	Temp.	°C	36.4	25.4	35.2	24.4	Salinity	ppt	29.5	36.5	29	35.8
Parameter	Unit	Max		Min																									
		CIA	Present	CIA	Present																								
Temp.	°C	36.4	25.4	35.2	24.4																								
Salinity	ppt	29.5	36.5	29	35.8																								
9.4	Terrestrial Ecology:	Level-1	APSEZ has developed greenbelt in an area of	The compensatory afforestation	APSEZ	Continual Process	APSEZ has developed its own “Dept. of Horticulture” which is taking measures/ steps for terrestrial plantation/greenbelt development. APSEZ, Individual SEZ Industries and Adani Power Plant has developed																						

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
	Study area doesn't have any notified national parks or ecological sanctuaries. Since the area falls under dry deciduous shrubs. Due to scanty rains in the area, the overall natural green-cover/vegetation in the area is very small.		550ha as against the committed area of 430ha. A dedicated nursery is set up to promote plantation. APSEZ have undertaken a plantation with about 9.6 Lakh fully grown trees.	area to be monitored annually to check the survival rate of the plantation.			approx. 700 Ha. area as greenbelt within the APSEZ area including SEZ industries & Adani Power Plant. Dedicated horticulture department is maintaining and monitoring the terrestrial green belt development on regular basis to check the survival rate of plantation. Budget for Horticulture Department for the FY 2024-25 is to the tune of INR 831 lakh. Out of which, Approx. INR 570 lakh has spent during the year FY 2024-25.
10	Socio-economic aspects						
10.1	Population growth in the Mundra region was	Level-1	Dedicated townships are developed within APSEZ	The existing townships will be expanded to accommodate	APSEZ	As and When Required	APSEZ has developed two townships (Shantivan and Samudra) accommodating 4677 households and associated infrastructure facilities. Accommodation is made available for all interested employees working

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
	reported to be in the order of 85% during the past decade (2001-2011). Further expansion of the urban area could be possible due to induced economic growth in the region. Increase in population will have a additional need for public infrastructure in the region.		area with necessary community infrastructures such as hospital, school, recreational facilities, sewage 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 4lakh people when the project activity is fully developed.			<p>within Adani group & SEZ industries. Out of which 93.65 % Occupancies are accommodated within the townships and rest are available for employees working within APSEZ.</p> <p>At present 61 nos. of industries (processing & non-processing) are operating within the SEZ. Township facilities are also made by SEZ industries within Mundra town for their employees having basic infrastructure facilities and requirements. Most of the employees working in SEZ industries are residing in Mundra township having all basic requirements and associated facilities.</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</p>

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
			About Rs. 97 Cr has been spent on various CSR activities in the Mundra region since 2010. Similar community development programs (based on need based assessment) will be continued in future as well with allocation of appropriate budget.				<p>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 <p>Adani foundation has spent approx. INR 10079.78 lakhs from April – 2018 to March - 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 2024-25:</u></p> <p>➤ COMMUNITY INFRASTRUCTURE DEVELOPMENT PROJECTS & ITS BENEFICIARIES</p> <ul style="list-style-type: none"> • Renovation of Aanganwadi, Goyarsama Village – 40 beneficiaries • Construction of Pipe Culvert, Old Bandar Fisherman Vasahat - 1200 beneficiaries • Open Shed & Community Hall, Sukhpurvah Mundra – 1200 beneficiaries

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
							<ul style="list-style-type: none"> • Open Shed at PTC College, Mundra – 160 beneficiaries • 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>➤ <u>COMMUNITY INFRASTRUCTURE DEVELOPMENT KEY COMMUNITY INFRASTRUCTURE DEVELOPMENTS:</u></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.

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
							<ul style="list-style-type: none"> Box Culvert & CC Road, Zarpara: 12000 people benefited. Approach Road, Shekadiya & Luni: 1200 people benefited. Approach Road, Vadi Vistar: 800 farmers benefited. 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. Sanitation and Health Initiatives: <ul style="list-style-type: none"> 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><u>Last FY 2023-24 infrastructure development activities:</u></p> <ul style="list-style-type: none"> 377 - AC Roof sheet support to Fisherfolk Vasaha 1700+ Benefited. 2 Development of Common Gathering flooring work – 4000+ Benefited. 195 Stall – Vegetable market– 900+ Benefited.

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
							<ul style="list-style-type: none"> • Solar Panel System at Mundra – 600+ Benefited. • Maintenance, Fencing & Material Support - 30+ Benefited. Renovation of Shed at Shekranpir Bhopavandh - 2000+ Benefited. • Renovation Check dam and CC road work at Nani Khakhar – 200+ Benefited. • Renovation of High School at Zaarapa – 2200+ Benefited. • Construction of Pipe Culvert – 400+ Benefited. • Construction of chain-link fencing at Mangra village – 300 people benefited. • Gaushala Shed at Zarapara village – 400 cattle benefited. • Renovation of approach road, Zarpara – benefiting 400 villagers. • Renovation of Civil and Electrical Work at ITI, Mundra - 500 students benefited. • Construction of 21 Borewell Recharge in Nagmati River - 150+ farmer benefited. • Check dam Desilting and restoration at Nana Bhadiya – 100+ farmers benefited. • Renovation of Check dam at Pavadiyara village - 300 people benefited. • Renovation of Balwadi at Juna bandar & Luni bandar. • 185 RRWHS construction is ongoing in various villages - will benefit 1300+ residents.

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
							<ul style="list-style-type: none"> Supply & installation of Solar panel (3.25 KV) at CGP, Mundra – benefiting 1200 people. Development of Model Farm in Zarpara, Siracha & Mangra – Benefiting 300 people. Renovation of approach road at various fisherfolk vasahat. <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) during the period 2001 - 2011. This could be attributed to increase in influx of working men in the region due to rapid economic development.	Level-2	Adani foundation is taking up several girl child education programs as part of CSR activities to create awareness about girl child protection.	Suitable regional level awareness programs on the girl child protection and encouragement programs in line with state and national policies shall be adopted under Corporate Social Responsibility programs in association with district authorities.	APSEZ, Other development projects and District Administration*	Long Term	<p>Major works carried out since April 2018 as a part of CSR activities to create awareness about girl child protection are as below.</p> <ul style="list-style-type: none"> The Adani Foundation provided scholarship support to motivation and encouragement of fishermen boys and girls for higher education under this program. We extend 100% fee support to female candidates and 80% to male candidates." <p>Student Benefitted Under Uthhan Project during the FY 2024-25:</p> <ul style="list-style-type: none"> ❖ Enriched reading corners to develop reading habits Library books were issued twice a month, and a dedicated reading corner was established in each school to enhance accessibility.

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
	Similar trend might continue in future due to induced economic growth in the region.						<p>Additionally, over 1,000 books and various magazines were provided</p> <ul style="list-style-type: none"> 2,09,640 Books issued between students <p>❖ Progressive Students: Strengthening foundational literacy, numeracy and skills</p> <ul style="list-style-type: none"> A total of 6,540 students from Class 3 to 7 were assessed in reading, writing, and math skills, with 2399 students identified as needing additional support. Targeted interventions helped 1,520 students successfully integrate into regular academic programs <p>❖ Utthan's Impact: A Data-Driven Overview of Utthan Initiatives</p> <ul style="list-style-type: none"> Distribution of sports kits, music kits, TLM kits, and stationery kits. to 12K+ Students Value education is imparted through films that teach important life lessons and moral values to 1K+ Students Provide students to engage in fun and educational activities, fostering their holistic development. 8K+ students. Children toy foundation kit to 5k+ Students Building as Learning Aid (7K+ Students): BALA transforming school spaces into vibrant

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>learning environments through creative artwork.</p> <ul style="list-style-type: none"> • Environmental Education Project: 80 Schools, 12000+ Students • Adani Competitive Coaching Center: 27 School, 5000+ Students • Oasis Reading workshop: 700+ Workshop. 20000+ Students • Capacity building of teachers: 150 • Teachers, 16000+ Hours <p>❖ Key finding of third-party assessment:</p> <ul style="list-style-type: none"> • The Utthan program assessment employed a quasi-experimental, mixed-methods design with pre- post comparisons and stratified random and purposive sampling to evaluate student outcomes, program impact, and sustainability. • The sample included 288 intervention students, 96 non- intervention students, 53 Sahayak, 30 head teachers, 30 SMC members, 30 parents, and community members, with data collected through FGDs, SSIs, and KIs. Univariate and bivariate analyses were conducted, and field notes were transcribed to identify themes. These themes were aligned with objectives and compared to past data to uncover discrepancies and analyze their causes.

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
							<ul style="list-style-type: none"> More than 90% of the students have achieved proficiency in reading, writing and numeracy skills in Utthan Schools. Utthan sahayak as catalyst: The introduction of Saha yaks (teacher assistants) ensures personalized student support and bridges gaps between schools and families, fostering greater parental involvement. Sahayak mentioned improvements in their classroom management practices, strong parent and community management and understanding of student child development 97% of students reported improved confidence in leadership and communication and 97% of students in Utthan schools have mentioned interest in attending school. Teachers' capacity building: Comprehensive teacher training programs enhance instructional quality, equipping educators with tools to deliver FLN-focused curriculum effectively. Community engagement through home visits and mothers' meetings, the project strengthens parental accountability and participation, directly influencing students' motivation and performance. <p>❖ Holistic Development & Achievements</p> <ul style="list-style-type: none"> Academic and Institutional Developments: Board exam results showcased excellent

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>student performance, with targeted remedial sessions introduced for continuous improvement.</p> <ul style="list-style-type: none"> • The Housekeeping Training Program (May 28) emphasized cleanliness and hygiene maintenance among staff. • Teacher Development and Training: Teacher Capacity Building Program (June 6) enhanced instructional strategies and curriculum planning. • NABET Accreditation Training (June 12) ensured compliance with national educational standards. • Technological Advancements: Inauguration of a New Computer Lab (Sept 27) enhanced digital learning opportunities. • AI and Google Gemini Training (Nov 16) prepared educators for modern teaching methodologies. • Cultural and Co- Curricular Activities: World Book Day (April 23) promoted reading culture through storytelling and book exhibitions. • International Yoga Day (June 21) emphasized mindfulness and physical wellness. • Student Achievements: SVS Science Exhibition (Oct 4): AVMB students won first place for their research on screen time and its impact.

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
							<ul style="list-style-type: none"> • District-Level Science Fair (Dec 9-10): Students represented Mundra Taluka with innovative projects. • Health and Safety Initiatives: Menstrual Hygiene Awareness Program (June 22) educated girls on personal health and wellness. • School-Wide Health Check-Up (July 8) ensured early detection of health concerns. <p>❖ Project Udaan - Inspiring Minds</p> <ul style="list-style-type: none"> • About Project: Under this project, exposure tours are organized wherein school, college students, faculties, employees from corporates are given a chance to visit the Adani Group facilities. • Total 408 no. of Schools/Colleges/ Institutes participated. • Total 26346 no. of participants participated. <p>About INR 10079.78 lakhs has been spent on various CSR activities in the Mundra region since April 2018 to till March 2025 including cost of community health and education for woman and girl child.</p>
10.4	Due to economic growth leading to rapid	Level-2	Adani hospitals, Mundra is setup by Adani group near Samudra	APSEZ will explore other possibilities to augment the primary and secondary healthcare	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>

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
	urbanization, which prompts the need for healthcare facilities in the region. For an influx of 6 lakh people from APSEZ operations and additional 3 Lakh from induced growth by the year by 2030 (fully developed scenario), total hospitals facilities with about 540 beds would be required.		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 hospital at Mundra has been catering the services ranging from wellness and preventative care.	facilities in future depending on the growth scenario at APSEZ development.			<p>Other than this Adani foundation is doing various activities as part of community health. The details of FY 2024-25 are as below.</p> <ul style="list-style-type: none"> ❖ Mobile Health Care Units and Rural Clinics <ul style="list-style-type: none"> 7 Rural Clinics 5 villages of Mundra & 2 village Mandvi block has benefited by rural clinic service. Total 23799 Patients Benefitted in FY 24-25 (direct & indirect) by Mobile van and rural clinic. Provided 52,063 medical health services. 45602 nos. patients have been supported for operations, OPD, IPD, Medicines and lab-test at Adani Hospital Mundra Pvt. Ltd. ❖ Financial Assistance for Critical Illness <ul style="list-style-type: none"> Understanding the burden of life- threatening diseases on economically weaker families, the Foundation provides financial support for patients suffering from heart, liver, kidney diseases, and cancer. In the current year alone, 45,602 patients from Mundra, Mandvi, and Anjar Blocks have received critical medical assistance at Adani Hospital, Mundra, in collaboration with Adani GK General Hospital, Bhuj.

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>❖ General Health Camp</p> <ul style="list-style-type: none"> It aims to make quality healthcare accessible to underserved communities by providing free consultations and basic medical services. Doctors conducted health check-ups, including blood pressure monitoring, respiratory assessments, and screening for seasonal illnesses. Patients were also provided with necessary medicines on the spot, ensuring timely treatment and care. Such camps play a vital role in promoting health awareness and addressing common health issues in rural areas where access to healthcare is limited. In the current year 1922 patients benefited through General Health Camp <p>❖ Specialty Health Camp</p> <ul style="list-style-type: none"> It is organized to support focused medical care to rural communities through consultations from specialists such as gynecologists, pediatricians, orthopedists, ophthalmologists, and physicians. The primary objective is to address critical health issues among women and children, particularly during pregnancy, to prevent maternal and infant mortality. Additionally, Specialty Health Camps are organized promptly in response to disease outbreaks in villages, ensuring quick medical support and controlling the spread of illnesses.

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>. In the current year 3217 patients benefited through Specialty Health Camp.</p> <p>❖ Eye Vision Care Initiative</p> <ul style="list-style-type: none"> This year, Adani Foundation, in collaboration with Vision Spring, has launched a comprehensive Eye Vision Care program to address uncorrected refractive errors and improve eye health in the community. The initiative focuses on students ("See to Learn"), SHG women ("See to Earn"), and APSEZ drivers ("See to Be Safe"), ensuring better education, livelihood, and road safety. It also promotes "Vision for All" across the community. It is a holistic eye care campaign starting from the process of registration to eyeglass dispensing, and cataract surgery support. In the current year 10,000 patients benefited through Eye Vision Care program. <p>❖ Cataract-Free Mundra Initiative</p> <ul style="list-style-type: none"> To combat vision loss among the elderly, the Cataract-Free Mundra campaign has screened 567 individuals at the village level. Patients identified with cataracts are referred to GK General Hospital, Bhuj, for surgery, followed by post-operative care and follow-ups. This initiative has restored vision for many senior citizens, helping them regain

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>independence and quality of life. In the current year 68 successful cataract operations through Cataract-Free Mundra campaign.</p> <p>❖ Menstrual Hygiene Awareness Camps</p> <ul style="list-style-type: none"> Promoting health and dignity among adolescent girls and women, menstrual hygiene awareness camps are regularly organized in schools and community centers. These sessions focus on educating participants about menstrual health, hygiene practices, and breaking cultural taboos. Sanitary pads are also distributed to encourage proper menstrual care and improve overall health outcomes for women and girls. <p>❖ Medical Services Data from April 2024 to March - 2025:</p> <ul style="list-style-type: none"> Mobile Van – 11066 beneficiaries Rural Clinic – 2500 beneficiary Medical Support & Dialysis – 2733 beneficiary General Health Camp – 1922 beneficiary Specialty Health Camp – 3217 beneficiaries Blood Donation Camp – 2902 beneficiary Cataract Camp – 567 beneficiaries Eye Vision Care – 10000 beneficiaries Driver Health Check Up – 7156 beneficiaries <p>❖ Animal Husbandry:</p>

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
							<ul style="list-style-type: none"> Fodder support to 24 Villages, benefiting 36808 cattle, Dry Fodder Support - 15,74,250 Kg & Green Fodder Support - 51,66,805 Kg Under the Preventive Health Care program, the Foundation, in partnership with the Animal Husbandry Department, organizes regular cattle health camps across 24 villages. These camps provide veterinary check-ups, vaccinations, and treatments for common diseases. Life-saving vaccines, such as those for Foot-and-Mouth Disease (FMD) and Clostridial infections, help ensure long-term immunity and healthier livestock. Additionally, medicines and vaccines are supplied by the Foundation. Cattle vaccinated -14,056 Deworming tablet distributed – 1460 Cattle benefited – 15000+ <p><u>Previously Conducted Community Health Details:</u></p> <ul style="list-style-type: none"> Total Patients Benefitted FY 23-24: - 23327 (direct & indirect) by Mobile van and rural clinic 2 financially challenged patients has been supported with Dialysis treatment at 124 Times which added day in their Life. Provided 41,546 medical health services and conducted health awareness camps for 763 High school students.

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
							<ul style="list-style-type: none"> • Cataract-Free Mundra: The initiative is a dedicated effort to eradicate cataract-related vision impairments specially focused on Senior citizen through Meticulous planning as below. Lives Impacted: - 1131 <ul style="list-style-type: none"> ➤ Comprehensive Eye Screenings at Village level ➤ Cataract Surgeries to GKGH, Bhuj ➤ Post-Operative Care and Follow-up ➤ 5 successful Operation • Health camp: <ul style="list-style-type: none"> • Specialty camps, Eye checkup camps, Blood donation camp, Anti-tobacco awareness camp, TB screening, and other are conducted in core villages as well as in labour colonies. • Specialty health (Gynec, ophthalmic, specialty health camp): - 5795 Patients Benefited. • General health camp: - 1618 Patients benefited. • Blood Donation Camp: 1715 people have donated blood. • Conducted health programs for students, engaging 763 participants, and held sessions on Personal Health & Hygiene Awareness, addressing critical health issues and promoting overall well-being.

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
							<ul style="list-style-type: none"> • Women's Health: Provided health services to more than 2610 women benefitted through Menstrual & Mental Health Awareness Drive. • Dialysis Support: During this year, 2 patients were supported for regular dialysis with 124Times which added day in their Life. • Medical Supports: 1007 beneficiary in 35 village. • International year of Millets – 2023: To promote millet culture and raise awareness about its benefits in Mundra, we organized a Millet Competition across nine villages. Over 715 women took part in the competition, while 2200 benefited from awareness sessions. Through this initiative, 300 indigenous millet recipes were showcased, highlighting the potential for sustainable and nutritious dishes in our daily diets. • Ayushman card facilitation: Ayushman card issued to 5584 for 25 village of 686.50 Cr. health insurance. • Preventive health Campaign the Adani Foundation is focusing on providing preventive healthcare to women and adolescent girls, raising awareness of Physical and Mental health issues, promoting healthy behaviors, implementing Menstrual hygiene initiatives and Millet consumption for healthy body. • Sample Survey Report 2023-24

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
							<ul style="list-style-type: none"> ○ 55% Never heard about Menstrual hygiene. ○ 60% Are using cloths on regular basis. ○ 36% Had never used sanitary pads. ○ 68% Had no information about UTI. ○ 30% Never used millets in their diet. ○ 60% Never heard about millets or it's benefits. <ul style="list-style-type: none"> • 2222 –Economically Challenged patients have been supported for operation, OPD, IPD, Medicines and lab-test. • For Preventive health care General and multispecialty camps Pediatric camp, General Health camps in 7 villages and Super specialist camp which benefitted more than 4690 patients of Mundra & Mandvi Taluka. • Cattle Health Camp: Adani Foundation and Animal Husbandry department Veterinary Jointly organizing cattle health Awareness and vaccination programs in 24 Villages of our periphery villages with total 18903 cattle benefitted, and 18870 cattle vaccinated. Total 982 cattle owners benefited for Preventive Health Care & Fodder Support Program • Present Hospital facilities are adequate to avail the medical treatment for Mundra region considering present development. Other Occupational Health centres, primary health centres and community health centres are also in place in Mundra to take care the people residing in Mundra. Adani group is also operating high

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>quality health care services to the people of Kutch at G. K. General Hospital, Bhuj having 750 beds facilities on public private partnership (PPP) model, which is 60 km far from Mundra.</p> <p>APSEZ will explore other possibilities to augment the primary and secondary healthcare facilities in future depending on the future development at APSEZ.</p>
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</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</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 2024-25:</u></p> <p>➤ <u>WOMEN EMPOWERMENT:</u></p> <p>❖ Self Help Groups</p> <ul style="list-style-type: none"> • 88 Self Help Groups in coordination with National Rural Livelihood Mission. • 920+ Members • Over Rs.39 Lacs Saving Amount Corpus <p>❖ Job Sourcing - Govt</p> <ul style="list-style-type: none"> • 11 Women supported for application and process of Gram Rakshak Dal, Bank Sakhi, Bima Sakhi and Professional Resource Person. • Average income Rs.7500 Per Month <p>❖ Making SHG Self Reliant</p> <ul style="list-style-type: none"> • 16 SHG are making strides towards self-reliance. Various handicrafts, dry and fresh food making, stitching, tie and die etc.

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
	current level of 55,000 to as high as 4,00,000, which will be 45% of the total envisaged population in Mundra Taluk by the end of 2030.		communities. Based on the need assessment results, several livelihood options have been introduced by the Adani Skill Development Centre, Mundra. In these centres, youth can join and get vocational training for a number of technical and non-technical skills. An industrial Training Institute is set up at APSEZ, Mundra, to enhance the skill levels of the local				<ul style="list-style-type: none"> • 175+ women - Monthly average income @ Rs.7000 of each member/Month ❖ Social Empowerment <ul style="list-style-type: none"> • 4 Livelihood Enhancement Training through RSETI • Financial support for business set up • Legal rights and domestic violence workshops • Family counselling for Job Sourcing ❖ Job Sourcing - Private <ul style="list-style-type: none"> • Coordination for Job by Unnati Portal with Adani Group company companies, Britania, B Medical and Emphazer company • 758 Women supported till date for job sourcing. • Average income Rs.10,800 Per Month ❖ <u>"CHETNA" - INITIATIVE WITH GENDER DIVERSITY</u> <ul style="list-style-type: none"> • Adani Foundation, in collaboration with Unnati Portal and Adani Solar, launched an initiative to provide equal opportunities for employment and self-development to women from Kutch. • Till Now 614 women from Kutch are successfully employed at Adani Solar, marking a significant step towards their economic empowerment and fostering gender diversity in the workforce.

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
			youth to maximum possible extent.				<p>❖ Highlights of the Work done by our SHG:</p> <ul style="list-style-type: none"> • Sathwaro'24 - Powering Art, Empowering Artisans: 3 women SHGs from Adani Foundation Mundra participated in the prestigious Sathwaro Mela at the Belvedere Club, Ahmedabad, showcasing Mud Art, Bead Art, and Soof Art, along with two artisans specializing in Rabari and Doorri work, achieving an impressive turnover of Rs.1,30,000/-. • New Stitching Centre - Livelihood opportunities for local women: In Vandh Village, by providing advanced stitching and embroidery training, the new stitching center empowers women with skills and employment. Equipped with 11 modern machines, women are producing 5,000 bags, gaining financial independence and professional confidence. • Women empowerment initiative: Adani Foundation is empowering rural women through skill training, exposure visits, and SHG formation, enabling them to achieve financial independence and entrepreneurship. • Skill Training: Stone Dust Art Training Mud Art Training Beauty & wellness Training. 100+ Local women empowered • Exposure Visit: Visit to Welspun Stitching Centre for women to learn about stitching enterprises • New SHG Formation:

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
							<ul style="list-style-type: none"> ○ Madhav Saheli" a Food service SHG ○ "Gopinath Saheli" a Tailoring SHG ○ "Suidhaga" a Tailoring SHG <ul style="list-style-type: none"> • CELEBRATED INTERNATIONAL WOMEN'S DAY WITH 1,000 LAKHPATI DIDIS: • On 5th March, Adani Foundation celebrated the strength and resilience of women by marking International Women's Day with 1,000 Lakhpatti Didis. The event highlighted the Foundation's ongoing efforts to empower rural women through meaningful livelihood opportunities. • Over 614 women have been connected with job opportunities at Adani Solar, while 850+ women entrepreneurs received support to grow their businesses. <p>❖ MENSTRUAL HYGIENE AWARENESS:</p> <ul style="list-style-type: none"> • Adani Foundation is dedicated to educating and empowering rural girls and women from marginalized communities about menstrual health. • We aim to break negative social stigmas around menstruation and improve their overall well-being. • 61 Villages covered • 8300+ School girls & women participated till now

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><u>EMPOWERING FISHERFOLK COMMUNITIES THROUGH EDUCATION:</u></p> <p>❖ PERSISTENT EFFORTS FOR FISHERMAN DEVELOPMENT:</p> <ul style="list-style-type: none"> • Educational Kit Support – 686 beneficiaries • Fisherman Shelter Support – 273 beneficiaries • Vehicle transportation Support – 1368 beneficiaries • Cycle Support to high school going students – 111 beneficiaries • Scholarship Support – 648 beneficiaries • Youth Employment – 494 beneficiaries • Linkage with Fisheries Scheme – 195 beneficiaries • Ramatotasav Community Engagement – 3534 beneficiaries • Man-Days mangrove plantation - 56,523 beneficiaries <p>❖ Scholarship Support:</p> <ul style="list-style-type: none"> • 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. This support is helping break the

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>cycle of poverty and create a brighter future for these students and their families.</p> <p>❖ Vehicle Transportation Facilities:</p> <ul style="list-style-type: none"> 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. <p>❖ Job opportunity</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. This initiative has enhanced their livelihoods and provided sustainable employment opportunities. <p>❖ Awareness camp on Menstrual health:</p> <ul style="list-style-type: none"> A menstrual health awareness camp was organized for 200+ women from the fishing communities of Modhva and Tragadi villages. The program focused on educating them about

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>menstrual hygiene, PCOD, and menopause management. It promoted healthy practices, offered guidance on managing related health issues, and distributed sanitary products to support their overall well-being.</p> <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. • 5000+ Fisherfolk Population are getting benefit <p>➤ <u>SUSTAINABLE LIVELIHOOD - AGRICULTURE:</u></p> <p>❖ BIOGAS PROJECT</p> <ul style="list-style-type: none"> • In our ongoing efforts to promote sustainable and eco-friendly farming practices, we have successfully registered 863 farmers from five different talukas in the Kutch district. Each registered farmer will receive financial support of ₹9,000 for the installation of biogas plants on their farms. This initiative aims to provide farmers with a renewable source of energy, reduce dependency on conventional fuels, and improve overall agricultural productivity. <p>• Benefits of Biogas:</p>

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
							<ul style="list-style-type: none"> Renewable Energy Source: Biogas is a sustainable and renewable energy source that reduces dependence on fossil fuels. Cost Savings: Farmers save on fuel expenses as biogas can be used for cooking, heating, and electricity generation. Waste Management: Biogas plants efficiently manage agricultural waste by converting it into useful energy. Environmental Impact: Biogas reduces greenhouse gas emissions, contributing to climate change mitigation. Soil Health: The by-product, known as digestate, is a nutrient-rich organic fertilizer that enhances soil fertility. Improved Livelihoods: Biogas provides farmers with additional income and energy security, improving their overall quality of life. <ul style="list-style-type: none"> Biogas benefit Key Highlights <ul style="list-style-type: none"> Total Farmer Registered - 863 Farmers Financial Support for each farmer - Rs. 9000 Geographical coverage in Kutch - 6 Talukas <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

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>farmers for installing drip systems. It helps conserve water, improve crop yield, and encourage sustainable agriculture in Kutch.</p> <ul style="list-style-type: none"> In 2024-25, Adani Foundation supported sustainable water management in Kutch by Promoting drip irrigation across 490 villages in Abdasa, Lakhpur, 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>❖ Natural Farming</p> <ul style="list-style-type: none"> As part of our commitment to sustainable agriculture, we have focused on promoting natural farming practices to conserve soil health and enhance environmental sustainability. Till Date 2,275 Farmers trained in Natural Farming 226 Farmers successfully transformed to 100% Natural Farming 857 Farmers linked with GOG to support cattle welfare scheme <p>❖ Green Carnival</p>

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
							<ul style="list-style-type: none"> Organized an annual Green Carnival, providing farmers with a dedicated marketplace to sell their organic produce directly to consumers. This event is hosted by our employee company and attracts many buyers interested in organic products. <p>❖ Sales Achievements</p> <ul style="list-style-type: none"> This year, the Green Carnival was a resounding success, with farmers selling a total of 16,241 kg of organically grown vegetables and fruits at the event. Achieved Rs. 6,49,640+ Total revenue. <p>APSEZ is carrying out various initiatives specific to the Fisherfolk community which includes:</p> <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

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>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, FY 2024-25 approx. 15.79 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 – 14.</p>

Annexure – 10

REGIONAL LEVEL POLLUTION RESPONSE EXERCISE REPORT

OFF VADINAR ON 14-15 OCT 24

TABLETOP EXERCISE- 14TH OCT 2024

Below team members participated in Tabletop exercise organized by ICGS Vadinar at Hotel Vishal International, Jamnagar on 14th Oct-24:

1. Vikram Pratap Singh – Radio Officer
2. Ramdas Pawale – Marine Diver

AT SEA PR EXERCISE- 15TH OCT 2024

Venue: Off Vadinar

Exercise conducted by: Indian Coast guard

Resource agencies and stake holders involved:

1. M/S Adani Port & SEZ, Mundra
2. Indian Oil Corporation LTD, Jamnagar
3. M/S Nayara Energy LTD VOTL, Vadinar
4. M/S Reliance Industries LTD, Sikka Jamnagar
5. M/S Essar Bulk Terminal, Salaya

Manpower Attendees:

1. Capt. Prasoon Roy – Marine Pilot
2. Ayush Jha – SPM Maint. (Assist. Manager)
3. Mr. MP Choudhary – Diving In charge
4. Vikram Pratap Singh – Radio Officer
5. Yugul Kishor Sharma – Mooring Master
6. Pradeep Pandey – Supervisor
7. Shashikant Padave – Tanker Seaman
8. Narayan Tamhankar – Tanker Seaman
9. Dhruvas Patekar – Tanker Seaman
10. Monu Rai – Tanker Seaman
11. Santosh Rasam – Tanker Seaman
12. Sandeep Kumar – Diver
13. Som Kumar – Diver
14. Ajay Kumar – Diver
15. Suresh Kumar – Diver
16. Khagendra Dewangan – HMEL
17. Shashi Kumar – HMEL/VIRAJ
18. Kuldeep – HMEL/VIRAJ
19. Pavan Sharma – HMEL/VIRAJ
20. Kulbir Singh – HMEL/VIRAJ
21. Sunil K Maurya – Sea Care
22. Rakesh Kumar – Sea Care
23. Swapnil Sutar – Sea Care
24. Sunil Gupta – Sea Care

Tugs & Crafts

1. DoI 11 Crew with Master
2. Tug KB 48

Statement of facts

0500 hrs.: Tug KB 48 left SPM & started proceeding to Vadinar for exercise.

0548 hrs.: Tug Dol 11 with crew and attendees left for Vadinar for Regional Level Pollution Response exercise from Ro-Ro pontoon.

0642 hrs.: Tug Dol 11 informed Vadinar Port Control that Tug Dol 11 & Victor will be entering Vadinar port limit for Regional Level Pollution Response exercise.

0700 hrs.: Tug Dol 11 arrived at coast guard given position.

0710 hrs.: Briefing of drill carried out.

0750 hrs.: Informed ICG vessel Samudra Pawak (Victor1) on VHF Ch-67 that Tug Dol 11 arrived at specified location 2 cable south of 22 34.00 N 069 43.10 E. Samudra Pawak (Victor1) advised to keep watch on VHF CH 67 for further communication.

0930 hrs.: Tug Dol 11 communicated with ICG vessel Samudra Pawak (Victor1) for launching boom to demonstrate 'U' shape boom configuration. ICG vessel Samudra Pawak (Victor1) advised to commence launching boom.

0932 hrs.: Commence lowering boom.

0950 hrs.: Completed lowering boom (5 section 250 m in length).

1005 hrs.: U-formation of boom completed. Same informed to ICG vessel Samudra Pawak (Victor1) . Victor 1 advised maintaining position with 'U' shape boom configuration.

1015 hrs.: Skimmer & floating storage tank deployed in water.

1150 hrs.: The whole operation observed by ICG vessel Samudra Pawak (Victor1) and appreciated the quick and professional response from Dol-11. The Coast guard advised to start securing gears & break off from position.

1200 hrs.: Drill called off.

1205 hrs.: Secured all deployed equipment and started recovering boom.

1235 hrs.: Completed recovering boom and vessel started proceeding to Mundra. Same informed to Vadinar port control and ICG vessel Samudra Pawak (Victor1).

1240 hrs.: Debriefing of drill carried out.

1400 hrs.: Dol 11 arrived Mundra port. Tug KB 48 arrived at IOCL SPM.

Tabletop & Drill Exercise Snap – 14th-15th Oct 2024

TABLETOP EXERCISE AT HOTEL VISHAL INTERNATIONAL, JMANAGAR ON 14TH OCT 2024

Tabletop exercise



DRILL EXERCISE OFF VADINAR ON 15 OCT 2024

Initial debriefing of drill



Boom laying from Dol 11



Lowering boom (5 section 250 m in length)



U- formation making in progress



U-formation completed



Floating storage tank deploying



Brush skimmer operation



Operation observed by ICG vessel Samudra Pawak (Victor1)



Commence recovering of boom



Completed recovering of boom





Annexure – 11

PHOTOGRAPHS OF INSTALLED RECD ON DG SETS

Adani House (DG Room) – 750 KVA



PUB Custom House – 500 KVA



WTP -CETP: 380 KVA



NORTH GATE SITE - 320 KVA



AIRPORT - 125 KVA & 140 KVA



Annexure – 12



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

CCA-Amendment

(WH-139724)

No. PC/CCA-KUTCH- 582(5)/ GPCB ID-35427/832003

Date: 14/01/2025

To,
M/s. Adani Port & Special Economic Zone Ltd., (WFDP-West Port)
Survey no. 141,
Navinal Island, Mundra,
Tal: Mundra, Dist: Kutch- 370 421.

- SUB :** Amendment in the consolidated consent & Authorization of the Board.
REF : 1) CCA issued by this office vide order no- AWH- 113458 dated 28/06/2021 valid up to 01/02/2027.
2) Obtain deemed CTE vide order dated 19/05/2020.
3) Your CCA Amendment Application Inward ID No.320886 dated 07/11/2024.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous And Other Waste (Management and Transboundary) Rules, 2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA vide order No. AWH- 113458 vide order no. PC/CCA-KUTCH-582(4)/ ID-35427/ 595234 dated 16/07/2021.

The Board has right to review and amend the conditions of the said CCA and its amendment orders. Now, considering your application for CCA amendment inward ID No. 320886 dated 07/11/2024, the said CCA order is amended as below:

1. The order shall be read as CCA amendment Order No.: WH- 139724 Date of issue: 16/01/2025, valid up to 01/02/2027.
2. The condition no. 2 of the said CCA is amended as below:
2. The consent shall be valid up to 01/02/2027 for the use of outlet for the discharge of treated effluent and emission due to operation of industrial plant manufacturing following items/ products:

Sr. No.	Product	Existing as per CCA dated 28/06/2021	Total quantity after CCA-Amendment
1.	Dry Cargo Handling	6,00,00,000 MTA	60 MMTPA
2.	Liquid Cargo (including Chemicals, POL Products, all class A, B, C Petroleum Products, toxic & non hazardous chemicals/ liquid)	—	5 MMTPA
3.	Desalination Plant	47 MLD	80 MLD

Page 1 of 3

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

- 3.9 Treated domestic effluent conforming to above standard shall be discharged on land for gardening and plantation purpose within premises only. In no case waste water shall be discharged outside premises.
- 3.10 Industry shall provide fixed pipeline network with flow meter for even distribution of treated domestic effluent and maintain its record.
- 3.11 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
4. The condition no. 5.1 & 5.2 of the said CCA is amended as below:
- 5.1 Authorization order no. WH- 139724 Date of issue: 16/01/2025.
- 5.2 M/s. Adani Port & Special Economic Zone Ltd., is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, treatment, storage, transport of hazardous waste on the premises situated at Survey no. 141, Navinal Island, Mundra, Tal: Mundra, Dist: Kutch;

Sr. No.	Waste	Quantity		Schedule & Category	Facility
		Existing	After CCA- Amendment		
1.	Used Oil	236 MT	240 MT	I-5.1	Collection, storage, transportation and disposal by selling out to registered recycler.
2.	Discarded Drums & Containers	26 MT	26 MT	I-33.1	Collection, storage, transportation and disposal by selling out to authorised decontaminator.
3.	Contaminated cotton waste rags or other cleaning material	32 MT	31 MT	I-33.2	Collection, storage, transportation and co-processing plant or CHWIF site.
4.	Spent ion exchange resin	--	5 MT	I-35.2	

5. Rest of conditions of Consolidated Consent & Authorization (CC&A) order No: AWH-113458 issued vide this office letter no. PC/CCA-KUTCH-582(4)/ ID-35427/ 595234 dated 16/07/2021 shall remain unchanged and industry shall comply with the same judicially.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(T. G. Patel)
Unit Head

Page 3 of 3

Annexure – 13



GUJARAT POLLUTION CONTROL BOARD

Regional Office : Kutch - East

Room No. 215-216-217, Deendayal Port Trust Administrative Building, Sector B, Gandhidham - 370205, Kutch-Gujarat
Ph. No. 02836-230628, E-mail : ro-gpcb-kuted@gujarat.gov.in • xgn site : gpcbagn.gujarat.gov.in

By R.P.A.D

Consent to Establish (NOC)

CTE NO: CTE-77914 Appl. Type: CTE-Fresh

NO:GPCB/KUT/CTE-/ID-111809/

To,
M/s. Mundra Petrochem Limited
Near Adani Solar,
Industrial Estate: APSEZ, Town: Tunda,
Tal: Mundra, Dist: Kutch East, Pin: 370 435.

SUB: Consent to Establish (NOC) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

REF: Your NOC application No. 320795 dated 18/10/2024.

Sir,

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 anyway, this is to inform you that this Board grant Consent to Establish (NOC) for setting up of an Industrial plant/ activities at Near Adani Solar, Industrial Estate: APSEZ, Town: Tunda, Tal: Mundra, Dist: Kutch East, Pin: 370 435.

1. CTE Order No.: CTE-77914 date of issue 09/12/2024, Valid upto 18/09/2031.
2. The list of proposed product to be manufactured shall be as follows:

Sr. No.	List of Product	Quantity	Unit per Annum	CAS No.	Remarks
1.	DESAL Water	29,200	Million Liter per Annum	7732-18- 5	Sea Water Reverse Osmosis Process.

SPECIFIC CONDITION:

- a. No ground water shall be used for the project coming under dark zone without permission of competent authority.
- b. Industry shall comply with fresh water from valid source having permission of the competent authority.
- c. You shall not carry out any activity which may attract the applicability of EIA notification-2006.
- d. Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
- e. As per provision of Rule-18 of Solid Waste Management Rules-2016 all industrial units using fuel and located within 100 km from the refused derived fuel (RDF) plant shall made an arrangement to replace at least five percent of their fuel requirement by refused derived fuel so produced.
- f. Unit shall comply with the Board circular dated 27/08/2021 regarding retrofitting of emission control devices/equipment in D.O. Set with a capacity of 125 KVA and above as per system & procedure for emission compliance testing of Retrofit Emission Control Device (RECD) for D.O. Set issued by CPCB dated 01/02/2022 at the earliest and submit compliance.

- g. Industry shall strictly comply with the submitted undertaking dated 23/09/2024 that lessee & lessor (APSEZ) are both jointly and severally responsible in case of any violation of environmental Acts/laws.
- h. Industry shall not carried out any activity which may attract the CRZ Notification 2011 & amendment therein.
- i. Industry shall strictly comply with all the conditions mention in Environment and CRZ Clearance vide No. EC24A3501GJ5976060N.

3. CONDITION UNDER THE WATER ACT:

- 3.1 The quantity of total water consumption shall not exceed **200,008 KL/Day** as per below break up as mentioned in form D submitted for consent application under the Water Act-1974.
 - a) Industrial: **200,000.00 KL/Day**
 - b) Domestic: **08.00 KL/Day**
- 3.2 Source of water: **Existing Arabian Sea Water Reservoir.**
- 3.3 The quantity of total waste water generation shall not exceed **120,007 KL/Day** as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.
 - a) Industrial: **120,000.00 KL/Day**
 - b) Domestic: **07.00 KL/Day**
- 3.4 Industrial effluent management:
 - a) Mode of disposal of treated industrial effluent: **Existing Outfall Channel**
 - b) Description for treated industrial effluent disposal: **The quantity of the industrial effluent from the manufacturing process and other ancillary operation (DESAL Plant Rejected water) shall be discharge into the Existing Outfall Channel.**
- 3.5 Domestic sewage management:
 - a) Mode of disposal of treated domestic sewage: **Soak Pit/ Septic Tank.**
 - b) Description for treated domestic sewage disposal: **Generated domestic waste water shall be Disposed into Soak Pit/ Septic Tank.**
- 3.6 Industry shall affix of water meters for the purpose of measuring and recording the quantity of water consumed at such places as may be required and it shall be presumed that the quantity indicated by the meter has been consumed by the industry until the contrary is proved.
- 3.7 Industry shall provide fixed pipeline network with flow meter at inlet and outlet of DESAL Water plant and maintain its records.
- 3.8 Disposal system for storm water shall be provided separately, in no circumstances storm water shall be mixed with the industrial effluent.
- 3.9 The Board reserves the right to review and/or revoke the consent and/or make modifications in the conditions which it seems fit in accordance with provisions of WaterAct-1974.

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 There shall be no use of any fuel anywhere in the manufacturing process and consequently there shall be no flue gas emission from the manufacturing process and any other ancillary industrial operation.
- 4.2 There shall be no process gas emission from the manufacturing process and any other ancillary industrial operation.
- 4.3 The height of vent/exhaust attached with hood of kitchen shall be at least 3m above the building height.
- 4.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified here under.



GUJARAT POLLUTION CONTROL BOARD

Regional Office : Kutch - East

Room No. 215-216-217, Deendayal Port Trust Administrative Building, Sector B, Gandhidham - 370205, Kutch-Gujarat
Ph. No. 02836-230828, E-mail : ro-gpcb-kute@gujarat.gov.in • xgn site : gpcbagn.gujarat.gov.in

Sr. No.	Parameters	Permissible Limit (microgram /m ³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM ₁₀)	60	100
2.	Particulate Matter (PM _{2.5})	40	60
3.	Oxides of Sulphur (SO _x)	50	80
4.	Oxides of Nitrogen (NO _x)	40	80

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
- 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year, 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

4.5 Industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5. CONDITION UNDER HAZARDOUS & OTHER WASTE (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016:

- 5.1. Unit shall have to comply with provisions of hazardous & other wastes (management & Transboundary Movement) Rules, 2016 as amended from time to time.
- 5.2. The applicant shall provide temporary storage facilities for each type of Hazardous Waste as per Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended from time to time.
- 5.3. The applicant shall obtain membership of common TSDF site for Hazardous Waste as categorized in Hazardous & other Waste (Management Transboundary Movement) Rules, 2016 as amended from time to time.

6. GENERAL CONDITIONS:

- 6.1 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also, any change in equipment or working conditions as mentioned in the consent form/ order should immediately be intimated to this Board.
- 6.2 Industry shall put up at the entrance a board displaying the name of the Industry, particulars of the products/ process and the name of proprietor/partners /directors of the Industry and the electricity consumer number as on the record of PGVCL.
- 6.3 The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th June every year.
- 6.4 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 6.5 The industry shall have to display the relevant information with regard to hazardous waste, waste water & air pollutants as indicated in the Courts Order in W.P. No.657 of 1995 dated 14th October-2003.
- 6.6 As per "Public Liability Insurance Act - 1991", industry shall get Insurance Policy, if applicable.
- 6.7 Applicant shall also comply with the general conditions given in annexure I.

- 6.8 The waste generator shall be totally responsible for (I.E. Collection, storage, transportation and ultimate disposal) of the wastes generated.
- 6.9 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form - 4 by 31st January of every year.
- 6.10 In case of any accident, details of the same shall be submitted in Form - 5 to Gujarat Pollution Control Board.
- 6.11 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for management & handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 6.12 In no case any kind of hazardous waste shall be imported without prior approval of appropriate authority.
- 6.13 In case of transport of hazardous waste to a facility for (I.E. Treatment, Storage and disposal) existing in a state other than the state where hazardous waste are generated, the occupier shall obtain "No Objection certificate" from the state pollution Control Board, the Committee of the concerned state or Union territory Administration where the facility exists.
- 6.14 Unit shall take all concrete measures to show tangible results in waste generation reduction, avoidance, reuse and recycle. Action taken in this regard shall be submitted within 03 months and also along with Form 4.
- 6.15 Industry shall have to display online 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 solid hazardous waste generated within the factory premises.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(F.M. Modi)
RO Head, Kutch East

ISSUED TO,
M/s. Mundra Petrochem Limited
Near Adani Solar,
Industrial Estate/ APSEZ, Town: Tunda,
Tal: Mundra, Dist: Kutch East, Pin: 370 435.

Annexure – 14

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	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	5,664,638	56.65
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	44,685,792	446.86
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	14,819,780	148.20
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	17,761,975	177.62
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	10,994,936	109.95
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	-	-	2,552,780	25.53
21	Community treading 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	157,901,447	1,579.01