

To
The Inspector General of Forest / Scientist C,
Integrated Regional Office (IRO),
Ministry of Environment, Forest and Climate Change,
Aranya Bhawan, A Wing, Room No. 409,
Near CH 3 Circle, Sector – 10A,
Gandhinagar – 382007.
E-mail: eccomplinace-guj@gov.in, rowz.bpl-mef@nic.in

एकीकृत क्षेत्रीय कार्यालय, गाँधीनगर
Integrated Regional Office, Gandhinagar
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग,
Ministry of Environment, Forest and Climate Change
भारत सरकार / Govt. of India
कक्ष क्र. 407 व 409 ए, अरुणा भवन
Room No.407 & 409, A Wing, Aranya Bhawan
गाँधीनगर (गुजरात) / Gandhinagar (Gujarat)

02/11/2021

Sub : Half yearly Compliance report for Environment Clearance for the "Township and area development project" at Survey no. 141 (part), village: Mundra, Dist. Kutch, by M/s. Adani Mundra SEZ Infrastructure Pvt. Ltd."

Ref : Environment clearance granted to Adani Mundra SEZ Infrastructure Pvt. Ltd. vide letter dated 20th February, 2010 bearing SEIAA letter no. SEIAA/GUJ/EC/8(b)/44 /2010.

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 Clearance for the period of April- April-2021 to September-2021 is being submitted through soft copy (e-mail communication & CD).

Kindly consider above submission and acknowledge.

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


Shalin Shah
Head – Environment & Sustainability

Encl: As above

Copy to:

- 1) The Additional Secretary, MoEF&CC, Regional Office (WZ), E-5, Kendriya, Paryavaran Bhawan, Arera Colony, Link Road No. – 3, Bhopal – 462016.
- 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 Bhawan, Sector 10 A, Gandhi Nagar – 382010.
- 4) The Member Secretary, SEIAA, Gujarat, Paryavaran Bhawan, GPCB, Sector 10 A, Gandhi Nagar – 382010.
- 5) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201.

Adani Ports and Special Economic Zone Ltd
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Registered Office: Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad – 382421, Gujarat, India

Chiragsing Rajput

From: Chiragsing Rajput
Sent: Tuesday, November 30, 2021 7:09 PM
To: ecompliance-guj@gov.in; rowz.bpl-mef@nic.in
Cc: ec-rdw.cpcb@gov.in; 'ro-gpcb-kute@gujarat.gov.in'; ms-gpcb@gujarat.gov.in; compliance.seiaa.gujarat@gmail.com; Snehal Jariwala
Subject: Half Yearly EC Compliance Report Submission - AMSIPL, Mundra 2010 (Apr'21 to Sep'21)
Attachments: 6. EC Compliance Report_AMSIPL 2010_Apr'21 to Sep'21.pdf



Ports and
Logistics

APSEZL/EnvCell/2021-22/084

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- 3) The Member Secretary, GPCR – Head Office, Paryavaran Bhawan, Sector 10 A, Gandhi

Thanks & Regards,
Chiragsing Rajput
Environment Cell | Adani Ports & Special Economic Zone Ltd.
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Growth
with
Goodness

Our Values: Courage | Trust | Commitment



/AdaniOnline

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Environmental Clearance Compliance Report of



Township and
Area Development Project,
Village: Mundra, Dist. Kutch, Gujarat

of
Adani Mundra SEZ Infrastructure Pvt. Limited

for the period of
April-2021 to September-2021

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

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Compliance Report of Environment Clearance

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Half yearly Compliance report for Environment Clearance for the project "Township and area development project at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Mundra SEZ Infrastructure Pvt. Ltd." issued vide letter no. SEIAA/GUJ/EC/8(b)/44/2010 dated 20th February 2010.

Sr. No.	Conditions	Compliance Status as on 30-09-2021
A. Specific Conditions		
A.1	Construction Phase:	
1.	Minimum Aerial distance of 100 m shall be kept between processing & non – processing areas of SEZ, as proposed.	Complied during the construction phase. Not applicable at present.
2.	Height of the buildings in the project shall be restricted to 42 meter (in view of the height restriction specified by the aviation authority) or the height permissible under the bylaws prescribed the SEZ authority, whichever is more stringent. This, however, shall not increase the total population envisaged under the EIA report prepared and submitted to SEAC and SEIAA and shall not increase in the resource consumption like total water usage or wastes generated.	<p>This reply covers Condition No. 1 to 27 of Construction Phase.</p> <p>The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report.</p> <p>Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'21 to Sep'21.</p> <p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</p>
2(a)	The requirement for fire prevention, line safety in relation to fire and fire protection of the building shall be fulfilled in the project, as per the National Building Code of India so as to minimize danger to life and property from fire.	
2(b)	All high rise buildings shall have at least two staircases with a condition that the nearest staircases shall be available at every 30 meter from all places in a given building.	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
3.	The project proponent shall not obstruct the flow of river Bhukhi passing through the social infrastructure area and shall not do any encroachment on the said river, as per their undertaking dated 21/07/2009. All necessary precautions and measures shall be taken in order to ensure that natural drainage of river Bhukhi passing through the project site is not altered / affected.	<p>Complied during the construction phase. Not applicable at present.</p> <p>The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report.</p> <p>Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'21 to Sep'21.</p> <p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</p>
4.	Additional bridge / walkthrough over the Bhukhi river passing through the site shall be provided between the two bridges planned to be provided so as to reduce distance to be travelled during the emergency situations.	
5.	If SEZ authority permits, adequate parapet / fencing shall be provided along the banks of river Bhukhi passing through the site for preventing fall of animals / humans.	
6.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	
7.	The construction site shall be provided with adequately barricades of at least 3 m height on its periphery with adequate signage	
8.	Adequate first aid facilities shall be provided in the project both during construction and operation of the project.	
9.	Adequate drinking water,	Complied during the construction phase. Not

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	sanitation and other amenities shall be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	<p>applicable at present.</p> <p>The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report.</p> <p>Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'21 to Sep'21.</p> <p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</p>
10.	Provision should be made for the supply of fuel (Kerosene or cooking gas), utensils such as pressure cookers etc. to the laborers during construction phase.	
11.	The project proponent shall ensure that the construction labours are provided with adequate amenities for lighting, drinking water, sanitation etc. to ensure that do not ruin the existing environmental condition.	
12.	Adequate personal protective equipments shall be provided to the construction workers to ensure their safety and the project proponent shall ensure its usage by the labours.	
13.	All topsoil excavated during construction activities should be stored separately for use in horticultural / landscape development within the project site.	
14.	Disposal of debris including the excavated material during construction phase shall not create adverse effect on neighbouring communities and shall be disposed of only at the approved sites with the approval of the competent authority after taking the necessary precautions for general safety and health aspects.	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
15.	Use of diesel generator sets during construction phase should be enclosed type and confirm to EPA rules for air and noise emission standards.	<p>Complied during the construction phase. Not applicable at present.</p> <p>The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report.</p> <p>Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'21 to Sep'21.</p> <p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</p>
16.	Ready-made mix concrete should be used so far as possible	
17.	Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.	
18.	Vehicles hired for bringing construction material at site should be in good conditions and confirm to applicable air and noise emission standards and should be operated only during non-peak hours.	
19.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality should be closely monitored during construction phase.	
20.	Fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerator or pressure reducing devices or sensor based control.	
21.	Fly ash should be used as building material in the construction as per provision of Fly Ash Notification under EPA.	
22.	Structural design aspects in accordance to the seismic zone shall be strictly adhered to.	
23.	No ground water shall be used and the water required during construction phase shall be sourced from Gujarat Water Infrastructure Ltd.	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
24.	The construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. Appropriate barricading shall be done and signboards shall be put at such site.	<p>Complied during the construction phase. Not applicable at present.</p> <p>The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report.</p> <p>Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'21 to Sep'21.</p>
25.	Ambient Air Quality Monitoring / Noise monitoring shall be carried out during the construction. The location of ambient air quality monitoring stations and its frequency shall be decided in consultation with GPCB.	<p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</p>
26.	The provisions of the buildings and other construction workers rules shall be met with by the project proponent in addition to other statutory requirements under different environmental pollution control and safety related acts and rules.	
27.	Environment Management Cell shall be formed, which will supervise and monitor the environment related aspects of the project during construction and operational phases in addition to observance of Gujarat Building and other constructions workers act and rules including registration of the project under this act.	
A.2	Operation Phase:	
28.	Fresh water requirement during the operation phase shall not exceed 9 MLD and it shall be sourced from Gujarat Water Infrastructure Ltd. Metering of the water shall be done and its records shall be maintained. No	<p>Complied.</p> <p>No ground water extraction is being carried out.</p> <p>Fresh water requirement for Samudra township and Adani Hospital is approximately 1.07 MLD during compliance period which has been sourced through</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	ground water shall be extracted.	<p>Gujarat Water Infrastructure Ltd. (GWIL) supply and APSEZ desalination plant.</p> <p>Record maintained for quantity of water usage during the period Apr'21 to Sep'21 and is attached as Annexure – 1.</p>
29.	The total sewage generation from the proposed social infrastructure project shall not exceed 7.2 MLD.	<p>Complied.</p> <p>During this compliance period the average quantity of sewage generation was 1211 KLD from Samudra township, Adani Hospital & Mundra Village, and average quantity of treated sewage discharge was 1063 KLD. Generated sewage is being treated in STP of Samudra Township and treated water is being utilized for horticultural purpose within AMSIPL premises.</p> <p>AMSIPL has been granted the Consent to Operate from Gujarat Pollution Control Board for receiving 1.0 MLD domestic sewage from the Mundra village for treatment in Samudra township STP and final disposal of treated water on land for horticulture purpose within AMSIPL as well as APSEZ premises. Details of the same were submitted along with half yearly compliance report for the period Apr'20 to Sep'20. During this compliance period an average 188 KLD domestic sewage received from Mundra village to Samudra township STP for treatment.</p> <p>Details of sewage generated from township, received from Adani hospital & Mundra village and treated water discharge during the period Apr'21 to Sep'21 is attached as Annexure – 1.</p>
30.	The project proponent shall install and operate adequate sewage treatment plants (STP) comprising of 3 modules of STP (each of 2.5 MLD) to achieve ultimate capacity of 7.5 MLD, for treatment of sewage. These STP modules shall be operated regularly and effectively to achieve the GPCB norms.	<p>Complied.</p> <p>STP having capacity of 2.5 MLD with advance MBR technology is constructed and operated in township area. Treated sewage is being utilized for horticulture purposes after achieving discharge norms of GPCB.</p> <p>We have dismantled the Adani Hospital STP having 30 KLD capacity and the domestic sewage generated from hospital is being discharged in to STP of Samudra</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 30-09-2021																														
		<p>Township through underground pipeline for treatment and disposal. Consent to Operate for the same has been granted from Gujarat Pollution Control Board. Details of the same were submitted along with half yearly compliance report for the period Apr'20 to Sep'20.</p> <p>Pre-treatment facility i.e. Disinfection treatment is being provided for domestic sewage at hospital before discharging in to Samudra Township STP. During compliance period avg. 16 KLD domestic sewage received from hospital for treatment.</p> <p>Third party analysis of the treated water is being carried out twice in a month by NABL and MoEF&CC accredited agency namely M/s. Pollucon Laboratory Pvt. Ltd. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.</p> <p>Locations: STP (Township)</p> <table><tr><th>Parameters</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit[§]</th></tr><tr><td>pH</td><td>--</td><td>6.73</td><td>8.28</td><td>6.5 – 9.0</td></tr><tr><td>TSS</td><td>mg/L</td><td>10</td><td>21</td><td>100</td></tr><tr><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>11</td><td>23</td><td>30</td></tr><tr><td>Fecal Coliform</td><td>MPN/ 100 ml</td><td>350</td><td>920</td><td>< 1000</td></tr><tr><td>Residual Chlorine</td><td>mg/L</td><td>0.6</td><td>0.8</td><td>--</td></tr></table> <p>[§] as per CC&A granted by GPCB</p> <p>Please refer Annexure – 2 for detailed analysis reports. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr'21 to Sep'21 for overall APSEZ, Mundra.</p> <p>GPCB is also doing sampling and analysis of treated water during their routine visit and details of the same were submitted along with half yearly compliance report for the period Apr'20 to Sep'20.</p>	Parameters	Unit	Min	Max	Perm. Limit [§]	pH	--	6.73	8.28	6.5 – 9.0	TSS	mg/L	10	21	100	BOD (3 Days @ 27 °C)	mg/L	11	23	30	Fecal Coliform	MPN/ 100 ml	350	920	< 1000	Residual Chlorine	mg/L	0.6	0.8	--
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Sr. No.	Conditions	Compliance Status as on 30-09-2021																								
31.	Two modules of STP of 2.5 MLD (i.e. total 5 MLD) shall be installed on one side of the Bhukhi River and one module of STP of 2.5 MLD shall be installed on the other side of the Bhukhi River passing through the social infrastructure project. Hence no any cross drainage civil work shall be carried out.	<p>Complied.</p> <p>At present one STP of 2.5 MLD is installed on one side of Bhukhi river for Samudra Township.</p> <p>Below underground pipeline network has been laid for receiving sewage from Mundra town and Adani hospital for treatment as well as treated water discharge to Adani hospital for horticulture purpose with requisite permissions from GPCB.</p> <table><tr><th>Sr. No.</th><th>Pipeline Connectivity</th><th>Purpose</th><th>Length</th><th>Dia.</th><th>Make</th></tr><tr><td>1</td><td>Mundra Village to Samudra Township Existing Sewage Collection Tank</td><td>For treatment of 1 MLD Domestic sewage</td><td>4.2 Km</td><td>315 mm</td><td>HDPE</td></tr><tr><td>2</td><td>Adani Hospital to Existing Mundra Village – Samudra Township Collection tank pipeline</td><td>For treatment of 25 KLD Domestic sewage</td><td>323 mtr</td><td>90mm</td><td>HDPE</td></tr><tr><td>3</td><td>Samudra Township treated water tank to Adani hospital 40m³ tank</td><td>For utilization of treated water @ 150 KLD for gardening purpose</td><td>1.56 Km</td><td>90mm</td><td>HDPE</td></tr></table>	Sr. No.	Pipeline Connectivity	Purpose	Length	Dia.	Make	1	Mundra Village to Samudra Township Existing Sewage Collection Tank	For treatment of 1 MLD Domestic sewage	4.2 Km	315 mm	HDPE	2	Adani Hospital to Existing Mundra Village – Samudra Township Collection tank pipeline	For treatment of 25 KLD Domestic sewage	323 mtr	90mm	HDPE	3	Samudra Township treated water tank to Adani hospital 40m ³ tank	For utilization of treated water @ 150 KLD for gardening purpose	1.56 Km	90mm	HDPE
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32.	Out of total 7.2 MLD of treated sewage conforming the GPCB norms, 2 MLD treated sewage shall be utilized within the project area for plantation / gardening whereas balance 5.2 MLD of treated sewage shall be utilized in the identified area of MPSEZL for plantation / gardening.	<p>Complied.</p> <p>During Apr'21 to Sep'21 Avg. 1063 KLD of treated water was used for gardening / plantation purpose within Township area / Hospital area / APSEZ area.</p>																								
33.	In no case, the wastewater / treated sewage shall be discharged into the river Bhukhi	<p>Complied</p> <p>During Apr'21 to Sep'21 avg. 1063 KLD of treated water</p>																								

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	passing through the social infrastructure project.	from STP was used for gardening / plantation purpose within township area, hospital area and other APSEZ area. Hence in no case, the wastewater / treated sewage is discharged into the river Bhukhi passing through the social infrastructure project.
34.	Best available technology shall be used for disinfection of treated sewage before reuse / discharge.	<p>Complied.</p> <p>Chlorination treatment is provided for disinfection before reuse / discharge.</p>
35.	Rain water harvesting of roof top run off of the building to be constructed as a part of social infrastructure as per the plan submitted shall be implemented. Before recharging the rain water, pre-treatment must be done to remove suspended matter.	<p>Complied.</p> <p>Location of rain water harvesting was earmarked at one of location in identified SEZ area based on direction of flow of storm water channel. However underground water is saline in nature due to sea water ingress and harvested water is likely to get contaminated in high tide. The project will be taken up upon finding out the solution for rain water harvesting within project boundary.</p> <p>However, APSEZ 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. Including this a big recharge operation by bunding was taken up for Zarpara village.</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>

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Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
		<p>Our water conservation work is as below.</p> <ul style="list-style-type: none"> A large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 2 check dams (1 Check dam current year). Ground recharge activities (pond deepening work for more than 52 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. Roof Top Rain Water Harvesting 90 Nos. (35 Nos current year) which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family. Recharge Borewell 125 Nos (50 Nos current year) which is best ever option to. Drip Irrigation 980 Farmers (56 Application current year) benefitted in coordination with Gujarat Green Revolution Company. 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. Luni Pond Bund Repairing Work is completed. <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. Budget for CSR Activity for the FY 2021-22 is to the tune of INR 1628.45 lakh. Out of which, Approx. INR 423.18 lakh are spent during current compliance period i.e. Apr'21 to Sep'21.</p>
36.	The Municipal Solid Waste (MSW) shall be properly collected and segregated at source and it shall be disposed as per the guidelines of the MSW Rules 2000, as may be amended time to time. The dried biomass from the STP will	<p>Complied.</p> <p>A well-established system for Municipal Solid Waste (MSW) management is in place.</p> <p>Municipal solid waste collection from AMSIPL area is being done on daily bases. Collected dry waste is being</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	be used as manure in gardening / plantation.	<p>transported to APSEZ Material Recovery Facility (MRF) where it is being sorted out in different streams e.g. paper/plastic/cardboard/glass/metal. These sorted wastes are further transported for recycling, whereas remaining non-recyclable waste is bailed and sent to cement plant (M/s. Ambuja Cement Ltd., Kodinar) for Co-processing as RDF (Refused Derived Fuel).</p> <p>Food / Organic Waste generated from AMSIPL premises is being diverted to Organic Waste Converter and Bio gas plant installed within APSEZ premises for converting food / organic waste in to manure and / or biogas. Generated manure is being utilized by horticulture department in green belt area and biogas is being utilized in kitchen area for cooking food.</p> <p>Total 438.55 MT organic / food waste generated from entire APSEZ, Mundra was processed for converting in to reach manure and bio gas during the compliance period i.e. Apr'21 to Sep'21 and utilized within APSEZ area. Dry waste collection drive including plastic free drive and waste segregation drive is being organised on regularly basis.</p>
37.	The Bio-medical Waste (BMW) shall be disposed as per guidelines of BMW rules 1998 as may be amended from time to time.	<p>Complied.</p> <p>Multispecialty hospital has taken the necessary approvals from GPCB for the disposal of Bio Medical Waste. Total 2935.19 kg of bio medical waste was disposed to Common Bio Medical Waste Treatment facility of M/s Distormed Kutch Services Pvt. Ltd., Bhuj during the compliance period i.e. Apr'21 to Sep'21 at the frequency of once in two days. Logbook showing the record of Bio-medical Waste collection is attached as Annexure – 4.</p>
38.	Hazardous wastes, if any generated during the operation phase shall be handled as per the Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008, as may be amended from time to time.	<p>Point Noted.</p> <p>No hazardous waste was generated during the compliance period of Apr'21 to Sep'21.</p> <p>If any hazardous waste generation in future, it will be disposed through authorised agency only as per Hazardous Waste Rules – 2016.</p>

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Sr. No.	Conditions	Compliance Status as on 30-09-2021
39.	54,600 sq.m. area shall be earmarked for the parking purpose as proposed. The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.	<p>Complied.</p> <p>Construction work for the project is partially completed.</p> <p>Entire parking area is earmarked for parking as per National Building Code requirement within township premises. This parking is used for said purpose only.</p>
40.	Necessary signage including continuous display of status of parking availability at entry, exit and all other appropriate places shall be provided which should have appropriate size of letters and shall be visible from the at least 50 meter distance from the adjacent road.	<p>Complied.</p> <p>Parking area is earmarked as per National Building Code requirement. Trained security guards are deputed round the clock to guide/help for entry, exit and parking. Continuous display regarding status of parking availability will be installed once project is in full-fledged operation.</p>
41.	No public space shall be used or blocked for the parking and the trained staff shall be deployed to guide the visitors for parking and helping the senior citizens and physically challenged people	<p>Complied.</p> <p>Adequate parking area has been provided as per National Building Code. Trained security guards are available round the clock to guide/help for entry, exit and parking to senior citizens and physically challenged people.</p>
42.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.	<p>Complied.</p> <p>Separate entry and exits have been provided at main gate with architectural divider for proper traffic management. Appropriate arrangements are made for emergency situations.</p>
43.	Common utilities like drinking water facility, toilets etc shall be provided on each floor with adequate signage thereof. Adequate distance shall be maintained between the drinking water and toilet blocks.	<p>Complied.</p> <p>Common utilities like drinking water facility, toilets etc. are provided at Adani Hospital and commercial building with adequate distance between drinking water & toilet facilities.</p>
44.	The green belt shall be developed in 50 Hectares area in terms of peripheral green belt around the project site, road side plantation and green belt on either side of the Bhukhi river. The project	<p>Complied.</p> <p>AMS IPL has developed 57.27 ha area as green belt with plantation of 75,556 saplings in AMS IPL premises. The open spaces inside the social infrastructure project are suitably landscaped and covered with green lawn and other vegetation.</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	proponent shall plant at least 20,000 trees in green belt, as proposed. The open spaces inside the social infrastructure project shall be suitably landscape and covered with vegetation of indigenous variety.	So, far APSEZ has developed 486.19 ha. area as greenbelt with plantation more than 9.4 Lacs saplings within the APSEZ area. Details of the green belt development activity done by APSEZL, Mundra are attached as Annexure – 5 .
45.	The area earmarked as green area shall be used only for green belt and shall not be altered for any other purpose. The fund earmarked for green belt development shall not be diverted for any other purpose.	<p>Complied.</p> <p>The area earmarked as green area is used only for green belt and not altered for any other purpose. Separate budget for the horticulture department is earmarked every year.</p> <p>The spent budget of Horticulture Department for the period of financial year 2021-22 (till Sep'21) is INR 605 lacs. Details upon green belt development are provided in condition no. 44 above.</p>
46.	The project proponent shall explore the application of solar energy and shall be incorporated for the illumination of common areas, lighting of internal roads and passages in addition to solar water heating, if any.	<p>Complied.</p> <p>Solar power system of 1.5 MW at roof top of residential blocks of Samudra Township and 69 KW at Adani Hospital has been installed and commissioned. Information has been already submitted to MoEF&CC along with Half Yearly Compliance Report Apr'16 to Sep'16.</p> <p>Total 1202 MWH of solar power generated and supplied to the grid energy during compliance period i.e. Apr'21 to Sep'21.</p>
47.	The acoustic enclosures shall be installed at all noise generating equipments and the noise level shall be maintained as per the MoEF / CPCB guidelines / norms both during day and night time.	<p>Complied.</p> <p>D.G. Sets having acoustic enclosures are provided as stand-by and used in case of main power failure only. However, regular noise monitoring is being carried out.</p> <p>Noise (once in a month) monitoring is being carried out by NABL and MoEF&CC accredited agency namely M/s. Pollucon Laboratory Pvt. Ltd. Summary of the same for duration of Apr'21 to Sep'21 is mentioned below.</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021															
		<p>Total Sampling Locations & Frequency: 2 Nos. (Monthly)</p> <table><tr><th>Noise</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Perm. Limit^{\$}</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>51.2</td><td>72.4</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>43.5</td><td>66.8</td><td>70</td></tr></table> <p>^{\$} as per CC&A granted by GPCB</p> <p>Please refer Annexure – 2 for detailed analysis reports. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr'21 to Sep'21 for overall APSEZ, Mundra.</p>	Noise	Unit	Leq Min	Leq Max	Leq Perm. Limit ^{\$}	Day Time	dB(A)	51.2	72.4	75	Night Time	dB(A)	43.5	66.8	70
Noise	Unit	Leq Min	Leq Max	Leq Perm. Limit ^{\$}													
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48.	The project proponent shall install the electric appliances, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.	<p>Complied.</p> <p>Energy Conservation through Installation of Motion Sensor (Occu switch) & AC Temp. Controls in buildings are provided. AMSIPL has installed the electric appliances which meets the Energy Efficiency norms.</p>															

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021																					
49.	The energy audit shall be conducted at regular interval for the project and the recommendations of the audit report shall be implemented with spirit.	<p>Complied.</p> <p>Energy audit is being carried on regular basis Last audit was carried out on 21.01.2017 by M/s. Mitcon Consultancy & Engineering Services Ltd. Energy audit report for Samudra Township was submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p> <p>Compliance status of audit recommendations is as below.</p> <table> <tr> <th>Sr. No.</th><th>Energy Saving Area</th><th>Compliance Status</th></tr> <tr> <td>1</td><td>Energy Saving by shifting load of Block C1 TRFO6 on TRFO4 and isolating TRFO6</td><td>Completed.</td></tr> <tr> <td>2</td><td>Energy Saving by replacing Recirculation Pump with New High efficient pump</td><td>The replacement pump will be done on expiry of their useful life.</td></tr> <tr> <td>3</td><td>Energy Saving by Suction Cleaning in Raw sewage water pump 1</td><td>The replacement pump will be done on expiry of their useful life.</td></tr> <tr> <td>4</td><td>Replacement of 70 W MH with 21 W LED in parking lights</td><td>Completed.</td></tr> <tr> <td>5</td><td>Replacement of conventional ceiling fans with energy efficient fans</td><td>The replacement conventional ceiling fans will be done on expiry of their useful life.</td></tr> <tr> <td>6</td><td>Replacement of 44 W CFL with 21 W LED in parking lights</td><td>Completed.</td></tr> </table>	Sr. No.	Energy Saving Area	Compliance Status	1	Energy Saving by shifting load of Block C1 TRFO6 on TRFO4 and isolating TRFO6	Completed.	2	Energy Saving by replacing Recirculation Pump with New High efficient pump	The replacement pump will be done on expiry of their useful life.	3	Energy Saving by Suction Cleaning in Raw sewage water pump 1	The replacement pump will be done on expiry of their useful life.	4	Replacement of 70 W MH with 21 W LED in parking lights	Completed.	5	Replacement of conventional ceiling fans with energy efficient fans	The replacement conventional ceiling fans will be done on expiry of their useful life.	6	Replacement of 44 W CFL with 21 W LED in parking lights	Completed.
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50.	The roof should meet regulatory requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirements.	<p>Complied.</p> <p>Energy Conservation Building Code is considered during the development of buildings.</p>																					
51.	Use of glass shall be minimal to reduce the electricity consumption and load on air-conditioning.	<p>Complied.</p> <p>Minimal glass is used in air conditioning areas to reduce electricity consumption and load on air-conditioning.</p>																					
52.	Risk estimation shall be carried out for the project and disaster management plan shall be	<p>Complied.</p> <p>Emergency Response Plan was prepared by Trivedi &</p>																					

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021														
	prepared and its recommendations shall be implemented in the time bound manner.	<p>Associates Technical Services Pvt. Ltd in August, 2015 for AMSIPL which included risk estimation for medical emergency, fire emergency, natural calamities.</p> <p>Detail are submitted to the MoEF & CC along with half yearly compliance report for the period from Apr – 2015 to Sep – 2015.</p> <p>Various plans as fire service plan, communication plan, mutual aid plan, and evacuation plan are implemented to combat with emergency situations.</p>														
53.	The raw water sumps will be equipped with suction differential head / partition so as to insure that minimum 500 KL water shall remain reserved as fire water as proposed.	<p>Complied.</p> <p>250 KL of fire water is reserved with fire hydrant system for Adani hospital. Approximately 400 KL water is available in 6 different water tanks at various sectors of Samudra Township. In total, more than 500 KL water is reserved as fire water at AMSIPL.</p>														
54.	Necessary emergency lighting system along with emergency power back up system shall be provided. In addition, emergency public address system arrangement and signage for emergency exit route shall be provided on each floor.	<p>Complied.</p> <p>Power is supplied through M/s MPSEZ Utilities Limited to the project site.</p> <p>Power failure is the rarest situation in the area and in case of such emergency, there is provision of 125 KVA D.G. set at Samudra Township and 500 KVA D.G. set at Adani Hospital.</p> <p>Public address system is available with the security staff in the vicinity.</p> <p>Emergency contact is display each block as below</p> <table><tr><td>Security control</td><td>8980048877</td></tr><tr><td>Township Security control</td><td>8980015046</td></tr><tr><td>Medical Adani hospital reception</td><td>2838-619555</td></tr><tr><td>Medical Emergency Number -</td><td>2838-619667</td></tr><tr><td>Medical Emergency mobile Number</td><td>7574848413</td></tr><tr><td>Fire control room-</td><td>2838-255801</td></tr><tr><td>Fire control room mob.</td><td>9879114996</td></tr></table>	Security control	8980048877	Township Security control	8980015046	Medical Adani hospital reception	2838-619555	Medical Emergency Number -	2838-619667	Medical Emergency mobile Number	7574848413	Fire control room-	2838-255801	Fire control room mob.	9879114996
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55.	Necessary auto glow, signage at all appropriate places shall be provided to guide the people	<p>Complied.</p> <p>Auto glow signage is provided at adequate locations to provide guidance to the people towards exits. Also</p>														

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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	towards exits and assembly points during the unforeseen emergency and eventuality conditions.	<p>the township & Adani Hospital is under security guard surveillance to combat with unforeseen emergency conditions. Photograph showing the auto glow signages were submitted along with compliance report submission for the duration of Oct'16 to Mar'17.</p> <p>Photographs showing the emergency signages were submitted along with EC Compliance report for the period Apr'19 to Sep'19.</p>
56.	Training to the staff for the First Aid and Fire Fighting Alarm with regular mock drill shall be conducted regularly and shall be made in integral part of the disaster management plan of the project.	<p>Complied.</p> <p>For first aid situations a First Aid centre is provided at Samudra Township. Multispecialty Hospital is part of the project activity which can be utilised for medical emergencies.</p> <p>Regular mockdrill and fire training is also being conducted at project site. Home fire safety awareness and fire fighting training was conducted in township on 18th April, 2021 and total 114 residents participated in the same.</p>
57.	Ozone Depleting Substance (Regulation and Control) rules shall be followed while designing the air conditioning system of the project.	<p>Complied.</p> <p>Ozone Depleting Substance inventory was produced and is maintained during the compliance period of Oct'18 to Mar'19. New gas being used in refilling of ACs is ozone friendly in nature.</p>
58.	Environment Management Cell shall be formed by the project proponent during operation phase which will supervise and monitor the environment related aspects of the project including incremental pollution loads on the ambient air quality, noise and water quality periodically till the management of the project remains with the project proponent.	<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 team report to Sr. Manager (Environment) at Corporate, who heads the Environment Management Cell who directly reports to the top management. Environment Management Cell Organogram is attached as Annexure – 6.</p> <p>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. Pollucon Laboratory Pvt. Ltd. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021																																													
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B. General Conditions																																															
59.	The project proponent shall permit the outside people to use the social infrastructures like hospital, schools, colleges etc. coming up in the proposed project, as per their undertaking dated 21/07/2009.	<div>Complied.</div> <div>Outside people are allowed to use the social infrastructures like hospital and school.</div> <div>Total 662 patients including OPD (Outpatient Department) as well IPD (In-Patient Department) from nearby villages were treated in the Hospital during this compliance period. Approx. INR 5.6 Lakh worth of free medical services given to nearby villagers during the compliance period Apr'21 to Sep'21.</div>																																													
60.	Various provisions of the Environment (Protection) Act, 1986 and the Rules / Notifications issued there under by the Ministry of Environment and Forest, Govt. of India, from	Point noted.																																													

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	time to time shall be strictly complied with.	
61.	No further expansion or modification in the plant shall be carried out without prior approval of the MoEF/SEIAA as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF / SEIAA / SEAC for clearance, a fresh reference shall be made to the SEIAA / SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Point noted.
62.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>Complied.</p> <p>Separate budget for the Environment cell is earmarked every year. All environmental and horticulture activities are considered at group level and budget allocation is also done accordingly.</p> <p>Budget for environmental management measures (including horticulture) for the FY 2021-22 is to the tune of INR 1332 lakh. Out of which, Approx. INR 876 lakh are spent during the year 2021-22 (till Sep'21). Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 7.</p>
63.	The applicant shall inform the public that the project has been accorded Environmental Clearance by the SEIAA and i.e. copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA / SEAC / GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspaper that are widely circulated in the region, one of which shall be in the Gujarati	<p>Already complied. Not applicable at present.</p> <p>The advertisement was circulated in Gujarati language through local newspaper – Kutchh Mitra as well as in English language through local newspaper – Indian Express on the date of 10.03.2010.</p> <p>Information has been already submitted to MoEF & CC along with half yearly compliance report April – 2015 to Sep – 2015.</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021																					
	language and the other in English. A copy each of the same shall be forwarded to the concerned regional office of the Ministry.																						
64.	It shall be mandatory for the project management to submit half yearly compliance report in respect of the stipulated prior Environmental Clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 st June and 1 st December of each calendar year.	<p>Complied.</p> <p>Compliance report of EC conditions is uploaded regularly. Last compliance report including results of monitoring data for the period of Oct'20 to Mar'21 was submitted to Regional Office of MoEF&CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and SEIAA, Gandhinagar vide our letter dated 18.05.2021. Copy of the same is also available on our web site https://www.adaniports.com/ports-downloads. A soft copy of the same was also submitted through e-mail on 20.05.2021 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>2</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>3</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>4</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> <tr> <td>5</td><td>Apr'20 to Sep'20</td><td>26.11.2020</td></tr> <tr> <td>6</td><td>Oct'20 to Mar'21</td><td>25.05.2021</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Apr'18 to Sep'18	30.11.2018	2	Oct'18 to Mar'19	31.05.2019	3	Apr'19 to Sep'19	28.11.2019	4	Oct'19 to Mar'20	20.05.2020	5	Apr'20 to Sep'20	26.11.2020	6	Oct'20 to Mar'21	25.05.2021
Sr. No.	Compliance period	Date of submission																					
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5	Apr'20 to Sep'20	26.11.2020																					
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65.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Point noted.																					
66.	The project authorities shall inform the GPCB, regional office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied																					
67.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is	Point noted.																					

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	not found satisfactory.	
68.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced inter-alia under the provisions of the water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, the environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<p>Complied.</p> <p>The company has implemented the provided conditions and the compliance report is being submitted regularly. Please refer Condition No. 64 for further details.</p>
69.	This environmental clearance is valid for five years from the date of issue.	Point noted.
	Additional condition – (amendment to Environment Clearance Order No. SEIAA/GUJ/EC/8(b)/44/2010 dated 20 February 2010	
--	The applicant shall carry out comparative carbon footprint study of low rise building with large ground coverage v/s high rise building with low ground coverage through reputed institute like CEPT or GIDR and submitted to SEIAA within one year from the issuance of EC.	<p>Complied.</p> <p>Comparative carbon footprint study report submitted to the MoEF & CC along with half yearly compliance report Oct – 2014 to March – 2015.</p>

Annexure – 1

ANNEXURE – 1

Water Consumption and Wastewater Generation Details for AMSIPL (Apr'21 to Sep'21)

Month	Water Consumption, KL	STP Water Inlet, KL	STP Water Outlet, KL
Apr'21	30841	43036	39462
May'21	33162	41966	32729
June'21	38094	38981	44075
July'21	30166	30534	25308
Aug'21	33471	38971	32819
Sep'21	31089	28116	20220
Total	196823	221604	194613
Avg. Per Day	1076	1211	1063

Sewage Received at Samudra Township STP (Apr'21 to Sep'21)

Month	Samudra Township, KL	Adani Hospital, KL	Mundra Village, KL
Apr'21	32945	266	9825
May'21	31077	425	10464
June'21	32493	344	6144
July'21	28343	743	1448
Aug'21	32796	385	5790
Sep'21	26621	760	735
Total	184275	2923	34406
Avg. Per Day	1007	16	188

Annexure – 2

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR



**ADANI MUNDRA SEZ INFRASTRUCTURE PVT.LTD.
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:
APRIL 2021 TO SEPTEMBER 2021**

PREPARED BY:



POLLUCON LABORATORIES PVT.LTD.

**PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,
OLD SHANTINATH SILK MILL LANE, NEAR GAYTRI FARSAN MART,
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TC - 5945

ISO 9001:2015

ISO 14001:2015

ISO45001:2018

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RESULTS OF STP WATER OUTLET

SR. NO	TEST PARAMETERS	Unit	AMSIPL SAMUNDRA TOWNSHIP STP OUTLET							
			APRIL-21		MAY-21		JUNE-21		GPCB Permissible Limit	TEST METHOD
			09/04/2021	21/04/2021	06/05/2021	20/05/2021	05/06/2021	18/06/2021		
1	pH	--	8.24	8.09	8.12	8.19	7.46	7.69	6.5 to 9.0	IS3025(P11)83Re.02
2	Total Suspended Solids	mg/L	21	17	10	16	15	18	100	IS3025(P17)84Re.02
3	BOD (3 days @ 270 C)	mg/L	23	19	15	14	13	15	30	IS 3025 (P44)1993Re.03Edition 2.1
4	Residual Chlorine	mg/L	0.6	0.7	0.7	0.8	0.7	0.8	--	APHA(22ndEdi)4500 Cl
5	Fecal Coliform	MPN/ 100 ml	350	540	350	430	540	430	1000	APHA (22ndEdi) 9221 C&E

SR. NO	TEST PARAMETERS	Unit	AMSIPL SAMUNDRA TOWNSHIP STP OUTLET							
			JULY-21		AUGUST-21		SEPTEMBER-21		GPCB Permissible Limit	TEST METHOD
			06/07/2021	16/07/2021	06/08/2021	17/08/2021	07/09/2021	24/09/2021		
1	pH	--	6.73	8.28	8.14	7.49	7.03	7.63	6.5 to 9.0	IS3025(P11)83Re.02
2	Total Suspended Solids	mg/L	14	12	19	14	15	19	100	IS3025(P17)84Re.02
3	BOD (3 days @ 270 C)	mg/L	13	15	17	12	16	11	30	IS 3025 (P44)1993Re.03Edition 2.1
4	Residual Chlorine	mg/L	0.7	0.6	0.7	0.6	0.8	0.7	--	APHA(22ndEdi)4500 Cl
5	Fecal Coliform	MPN/ 100 ml	430	350	540	430	350	920	1000	APHA (22ndEdi) 9221 C&E

H. T. Shah**Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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RESULTS OF AMBIENT AIR QUALITY MONITORING

SAMUDRA TOWNSHIP STP					
Sr. No.	Date of Sampling	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Dioxide (SO ₂) µg/m ³	Oxides of Nitrogen (NO ₂) µg/m ³
1	03/04/2021	52.49	23.54	13.55	29.51
2	07/04/2021	92.50	37.89	16.24	34.35
3	10/04/2021	83.67	32.58	10.27	31.22
4	14/04/2021	79.64	38.67	9.58	19.54
5	17/04/2021	68.69	30.47	12.52	24.55
6	21/04/2021	78.62	35.44	17.54	27.82
7	22/04/2021	61.88	24.54	15.76	23.55
8	26/04/2021	69.45	29.43	8.24	30.42
9	29/04/2021	80.40	47.50	11.24	25.44
10	03/05/2021	50.42	26.57	10.59	25.62
11	07/05/2021	73.56	38.43	14.54	29.45
12	10/05/2021	69.24	28.39	18.50	30.44
13	13/05/2021	71.35	39.54	12.44	23.48
14	19/05/2021	80.62	33.45	9.67	21.64
15	21/05/2021	64.86	19.23	16.87	33.23
16	24/05/2021	88.76	46.34	13.47	26.32
17	27/05/2021	79.52	43.52	17.48	22.53
18	31/05/2021	77.52	37.55	15.58	28.58
19	03/06/2021	60.32	38.47	12.64	21.57
20	07/06/2021	66.56	26.53	15.64	30.32
21	10/06/2021	41.24	23.50	9.47	23.69
22	14/06/2021	72.56	32.46	11.50	18.64
23	17/06/2021	90.63	47.54	17.53	32.44
24	21/06/2021	50.65	24.37	13.85	28.61
25	28/06/2021	54.62	22.63	18.48	34.65
26	02/07/2021	68.84	30.63	7.34	14.32
27	05/07/2021	58.34	32.41	18.36	32.34
28	08/07/2021	63.65	37.60	15.84	38.45
29	12/07/2021	47.67	18.61	6.85	28.36
30	15/07/2021	53.38	28.31	8.65	19.38

Continue..

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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SAMUDRA TOWNSHIP STP					
Sr. No.	Date of Sampling	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Dioxide (SO ₂) µg/m ³	Oxides of Nitrogen (NO ₂) µg/m ³
31	19/07/2021	64.26	31.25	11.43	16.56
32	22/07/2021	57.62	25.37	13.59	29.34
33	26/07/2021	62.41	33.45	10.30	23.46
34	29/07/2021	59.31	26.36	16.48	20.64
35	19/07/2021	64.26	31.25	11.43	16.56
LIMIT [#]		100	60	80	80
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I, May-2011)	Gravimetric- CPCB - Method (Vol.I, May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob & Hochheiser (NaOH-NaAsO ₂)

#: Industrial, Residential, Rural and other Area Notification Dated 16th Nov.2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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RESULTS OF AMBIENT AIR QUALITY MONITORING

SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr.No.	Date of Sampling	Particulate Matter (PM₁₀) µg/m³	Particulate Matter (PM_{2.5}) µg/m³	Sulphur Dioxide (SO₂) µg/m³	Oxides of Nitrogen (NO₂) µg/m³
1	03/04/2021	90.45	29.48	7.65	18.41
2	07/04/2021	84.65	22.41	10.10	25.32
3	10/04/2021	98.82	25.32	13.50	28.43
4	14/04/2021	71.69	37.55	11.58	22.60
5	17/04/2021	65.45	23.54	8.44	21.28
6	21/04/2021	72.89	27.57	19.52	32.53
7	22/04/2021	58.93	18.55	9.36	19.22
8	26/04/2021	44.26	24.28	14.22	26.51
9	29/04/2021	68.55	28.24	6.32	16.22
10	03/05/2021	51.28	20.32	17.51	29.39
11	07/05/2021	60.27	27.53	12.20	23.54
12	10/05/2021	49.28	24.53	16.62	33.41
13	13/05/2021	66.31	33.52	7.66	18.52
14	19/05/2021	54.51	25.24	11.52	24.26
15	21/05/2021	48.64	28.36	13.53	17.53
16	24/05/2021	52.36	19.63	8.59	21.29
17	27/05/2021	68.64	39.25	15.34	15.62
18	31/05/2021	76.25	30.65	10.19	22.35
19	03/06/2021	65.66	33.56	10.54	15.65
20	07/06/2021	44.32	23.54	13.53	25.38
21	10/06/2021	52.34	20.38	7.18	18.32
22	14/06/2021	61.53	35.68	9.32	23.54
23	17/06/2021	55.68	43.62	15.31	27.55
24	21/06/2021	45.37	21.54	11.34	24.33
25	28/06/2021	48.34	38.42	16.46	22.68
26	02/07/2021	78.56	35.68	9.70	23.48
27	05/07/2021	52.41	25.32	16.32	28.48
28	08/07/2021	68.21	32.64	12.36	25.68
29	12/07/2021	76.28	45.33	10.28	22.34
30	15/07/2021	58.33	31.52	6.36	16.31

Continue..**H. T. Shah****Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr.No.	Date of Sampling	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Dioxide (SO ₂) µg/m ³	Oxides of Nitrogen (NO ₂) µg/m ³
31	19/07/2021	73.82	36.26	8.62	19.34
32	22/07/2021	69.37	39.34	11.31	24.54
33	26/07/2021	56.22	41.29	7.60	20.34
34	29/07/2021	79.31	38.34	18.55	15.33
LIMIT[#]		100	60	80	80
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011)	Gravimetric- CPCB - Method (Vol.I,May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob &Hochheiser (NaOH-NaAsO₂)

#: Industrial, Residential, Rural and other Area Notification Dated 16th Nov.2009 as per national Ambient Air Quality Standards, CPCB New Delhi.**H. T. Shah****Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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RESULT NOISE LEVEL MONITORING**Result of Noise level monitoring [Day Time]**

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP STP					
		Result [Leq dB(A)]					
		22/04/2021	13/05/2021	15/06/2021	23/07/2021	16/08/2021	14/09/2021
1	6:00-7:00	55.2	63.8	63.2	60.4	70.5	65.9
2	7:00-8:00	63.5	56.4	70.4	65.2	65.2	61.5
3	8:00-9:00	60.1	61.8	65.1	62.3	68.1	63.8
4	9:00-10:00	68.4	69.4	65.5	67.4	63.3	69.4
5	10:00-11:00	65.1	65.0	63.4	72.4	65.3	65.5
6	11:00-12:00	69.5	55.2	68.4	64.1	60.7	68.1
7	12:00-13:00	65.9	62.8	61.2	71.1	61.5	59.7
8	13:00-14:00	60.3	66.1	66.1	59.5	66.5	65.4
9	14:00-15:00	59.4	57.1	62.8	66.2	65.7	68.7
10	15:00-16:00	68.8	60.2	60.4	57.3	63.2	62.3
11	16:00-17:00	66.1	65.8	68.5	64.5	60.8	60.7
12	17:00-18:00	64.2	63.1	65.4	63.5	62.5	63.6
13	18:00-19:00	61.3	60.4	63.8	68.4	68.8	68.6
14	19:00-20:00	62.8	58.4	68.3	62.5	67.1	71.6
15	20:00-21:00	65.5	62.1	62.5	61.4	62.4	65.8
16	21:00-22:00	61.8	57.4	61.5	62.2	63.8	62.5
Day Time Limit*		75 Leq dB(A)					

Result of Noise level monitoring [Night Time]

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP STP					
		Result [Leq dB(A)]					
		22/04/2021	13/05/2021	15/06/2021	23/07/2021	16/08/2021	14/09/2021
1	22:00-23:00	60.4	65.8	61.4	61.4	60.1	57.3
2	23:00-00:00	62.1	64.1	66.5	58.7	63.1	60.5
3	00:00-01:00	55.1	62.8	58.7	62.1	58.4	59.8
4	01:00-02:00	60.2	55.4	62.4	55.4	55.2	57.4
5	02:00-03:00	59.4	58.7	54.1	53.1	59.4	62.0
6	03:00-04:00	62.4	60.4	62.5	57.5	62.1	65.7
7	04:00-05:00	58.7	61.8	61.2	58.4	63.4	58.9
8	05:00-06:00	59.1	66.8	63.4	64.8	61.5	57.6
Night Time Limit*		70 Leq dB(A)					

H. T. Shah**Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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Result of Noise level monitoring [Day Time]

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP CUSTOMER CARE					
		Result [Leq dB(A)]					
	Sampling Date & Time	06/04/2021	20/05/2021	14/06/2021	14/07/2021	09/08/2021	01/09/2021
1	6:00-7:00	56.1	54.1	66.3	55.1	60.6	64.5
2	7:00-8:00	60.4	63.5	68.7	59.3	59.1	60.4
3	8:00-9:00	68.1	57.5	62.7	65.6	67.5	62.8
4	9:00-10:00	62.4	63.4	60.4	56.7	67.6	69.9
5	10:00-11:00	62.9	65.4	65.8	58.2	67.9	67.7
6	11:00-12:00	59.7	62.1	65.2	66.1	62.6	64.8
7	12:00-13:00	66.1	68.4	63.7	59.4	65.6	62.2
8	13:00-14:00	61.4	61.4	64.8	62.8	59.3	71.4
9	14:00-15:00	65.8	55.2	65.6	63.4	62.0	69.6
10	15:00-16:00	55.4	64.5	62.4	70.5	56.8	63.4
11	16:00-17:00	51.2	66.4	62.1	65.4	63.1	66.3
12	17:00-18:00	63.1	65.6	68.5	61.2	58.5	67.1
13	18:00-19:00	66.2	59.4	63.4	65.5	61.4	62.9
14	19:00-20:00	60.1	60.4	69.4	68.7	69.8	68.9
15	20:00-21:00	64.7	58.7	64.2	68.1	62.1	61.3
16	21:00-22:00	62.8	62.4	62.8	64.4	60.5	63.9
Day Time Limit*		75 Leq dB(A)					

Result of Noise level monitoring [Night Time]

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP CUSTOMER CARE					
		Result [Leq dB(A)]					
	Sampling Date & Time	06/04/2021	20/05/2021	14/06/2021	14/07/2021	09/08/2021	01/09/2021
1	22:00-23:00	61.4	60.4	60.4	63.3	58.4	61.9
2	23:00-00:00	59.5	64.3	56.4	55.5	59.4	66.7
3	00:00-01:00	60.1	55.1	49.5	48.4	55.1	65.3
4	01:00-02:00	58.4	52.4	52.4	46.1	46.2	62.7
5	02:00-03:00	47.1	49.7	56.8	50.4	52.1	58.1
6	03:00-04:00	50.6	56.2	49.1	59.8	59.6	57.1
7	04:00-05:00	59.1	60.4	43.5	60.5	62.8	59.3
8	05:00-06:00	60.5	62.8	56.4	59.4	60.4	59.9
Night Time Limit*		70 Leq dB(A)					

H. T. Shah**Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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RESULTS OF D.G. STACK MONITORING

21/08/2021					
SR. NO.	TEST PARAMETERS	Unit	Adani Hospital	GPCB Limit	Test Method
			D.G. Set (500 KVA)		
1	Particulate Matter	mg/Nm ³	21.62	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	5.31	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	35.36	50	IS:11255 (Part-VII):2005

*DG sets are used as standby, so stack monitoring is done on quarterly basis. Results on 15 % O₂ Correction when Oxygen is greater than 15 %

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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MINIMUM DETECTION LIMIT [MDL]

Ambient Air Parameter		
Sr. No.	Test parameter	MDL
1	Particulate Matter (PM10) ($\mu\text{g}/\text{m}^3$)	10
2	Particulate Matter (PM 2.5) ($\mu\text{g}/\text{m}^3$)	10
3	Sulphur Dioxide (SO_2) ($\mu\text{g}/\text{m}^3$)	5
4	Oxides of Nitrogen ($\mu\text{g}/\text{m}^3$)	5
5	Hydrogen Sulphide as H_2S ($\mu\text{g}/\text{m}^3$)	6

STP Water parameter (mg/L)		
Sr. No.	Test parameter	MDL
1	pH	2
2	Total Suspended Solids (mg/L)	2
3	BOD (3 days @ 270 C) (mg/L)	1
4	Residual Chlorine (mg/L)	0.2
5	Fecal Coliform (MPN INDEX/100 mL)	1.8

Stack parameter		
Sr.No.	Test parameter	MDL
1	Particulate Matter (mg/Nm^3)	10
2	Sulphur Dioxide (ppm)	1.52
3	Oxides of Nitrogen (ppm)	2.65
4	Carbon Monoxide (mg/Nm^3)	0.1
5	Hydro Carbon NMHC (ppm)	1.0

H. T. Shah**Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**



CSR KUTCH

Six Monthly
Report 2021-22

PREFACE

Corporate Social Responsibility in India is going through an interesting phase where the need for community centered impact is increasingly becoming more important than ever before. It is not just about the compliance with the laws and regulations but also about transitioning beyond the mandated CSR. Stakeholder engagement is a critical tool to ensure a comprehensive approach in carrying out responsible business and within that community ownership holds an important place.

In Year 2021-22 Uthhan Project spread the wings from 17 Primary schools to 31 Primary schools with MOU with Education Department. Natural Farming Promotion concept is started as a mission with training to 500+ Farmers and pure chemical free farming with 50+ Farmers. Mangroves coastal biodiversity, water harvesting structures and Tissue is ongoing sustainable Project with proper documentation and demarcation. Adani Vidya Mandir has proven best in education by reaching to unreached through digital technology, happy to see the fisherman students studying sincerely sitting in fisherfolk settlements by operating tablets. "

Under guidance of seniors proper frame work was developed for supporting community as a bridge between various Government schemes and needy people by "Community Resource Centre" its true need and real sustainable way. Fisherman and women employment sourcing created very positive impact as a regular source of income for them.

Adani skill Development center started General Duty Assistant Course training under DDUGKY. The ASDC is committed to the cause of the deprived and underprivileged to generate employment through enhancing skills. It has been working relentlessly which resulted in rapport building with District Administration Kachchh also.

Success is due to presence of torch bearer and mentor in life who is Respected Dr. Priti Adani. We heartily thanks our Rakshit bhai, Respected Gadhvi sir and Respected COO sir for guidance and motivation.

We wish all the very best to whole Adani Foundation Parivar !



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Environment Sustainability Projects : Ensuring ecological balance, protection of flora and fauna, terrestrial and coastal species conservation, welfare, agro forestry, conservation of natural resources and maintaining quality of soil, air and water

Reducing Carbon footprint

1. Miyawaki – Nana Kapaya

Nana Kapaya village and proposed site for Miyawaki- Dense Plantation is very close to many industries in and around the Mundra landscape. This area is also very close to main roads and coastal creeks. Mainly dense to sparse *Prosopis juliflora*- Ganda Bavar cover is recorded surrounding to project site with very few scattered native trees like- Limda, Deshi Bavar etc. Shrubs species like- Akado and Aavar are also predominant close to site; while, grasses like Chhabar and Dhrab are recorded in proposed plot area.

As shared and discussed by villagers, this proposed plot is also very close to sewage water tank and nallahs; and proposing for watering to our proposed plantation.

As discussed with villagers and Adani Foundation, we proposed the close or dense plantation at site- called 1Miyawaki Types of Plantations with following four major compartments (45X20 meters approx.) and with following strategies:

1. Mixed Plantation dominant Drought Resistant Plants
2. Mixed Plantation dominant by Larger Leaves
3. Mixed Plantation dominant by Saline Resistant Plants
4. Mixed Plantation dominant by Medicinal Values.

Plantation of 4965 saplings of different 42 spices is completed which will result in dense forest within 2 years



Reducing Carbon footprint

Species Name/ Botanical Name	Local Name in Gujarati	Saplings Required	TOTAL ACTUAL	TOTAL ACTUAL	Mixed Plantation dominant Drought Resistant Plants PLOT 1	Mixed Plantation dominant by Larger Leaves PLOT 2	Mixed Plantation dominant by Saline Resistant Plants PLOT 3	Mixed Plantation dominant by Medicinal Values PLOT 4	Mixed Plantation dominant Drought Resistant Plants PLOT 1	Mixed Plantation dominant by Larger Leaves PLOT 2	Mixed Plantation dominant by Saline Resistant Plants PLOT 3	Mixed Plantation dominant by Medicinal Values PLOT 4
Acacia nilotica (L.) Del. subsp. indica (Bth.) Brenan	દેશી બાવળ	300	500	500	200	75	150	75	6	15	9	15
Cordia gharaf (Forsk.) E.&A.	નાના ગુંદા, લિયાર	500	400	400	80	100	140	80	16	11	10	14
Pithecellobium dulce (Roxb.) Bth.	ગોરસ આમલી	400	400	400	80	100	150	70	16	11	9	16
Moringa oleifera Lam.	મીઠો સરગવો	300	300	300	75	75	90	60	17	15	15	19
Salvadora persica L.	ખાળી જાળ- પીલુડી ખાળી	100	250	250	40	60	100	50	32	19	14	23
Derris indica (Lam.) Bennet	કરંજ	200	200	200	25	75	25	75	52	15	55	15
Azadirachta indica A. Juss.	લીમડો	200	200	200	40	40	70	50	32	28	20	23
Moringa concanensis Nimmo	ખારો- જંગલી સરગવો	200	200	200	50	50	60	40	26	23	23	29
Morus alba L.	શેતુર	200	200	200	50	50	50	50	26	23	28	23
Tinospora cordifolia Roxb.	ગળો, ગિલોય	200	200	200	50	50	50	50	26	23	28	23
Tecomella undulata(Sw.) Seem.	રગત રોહિડો	300	200	200	50	60	60	30	26	19	23	38
Commiphora wightii (Arn.) Bhandari	ગુગળ	200	200	200	75	25	25	75	17	46	55	15
Dalbergia sissoo Roxb.	સીસમ	200	200	200	100	25	25	50	13	46	55	23
Zizyphus mauritiana Lam.	બોરડી, મોટા બોર	200	180	180	50	30	70	30	26	38	20	38
Vitex negundo L.	નગોડ	200	150	150	35	55	30	30	37	21	46	38

Reducing Carbon footprint

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Adhatoda zeylanica Medic.	અરડૂસી	100	100	100	15	20	25	40	86	57	55	29
Parkinsonia aculeata	રામ બાવળ	100	100	100	20	10	50	20	65	114	28	58
Albizia lebbeck (L.) Bth.	કાળો શિરીષ	100	100	100	25	20	35	20	52	57	40	58
Terminalia arjuna (Roxb.) W. & A.	અર્જુન સાદડ	100	80	80	20	20	20	20	65	57	69	58
Grewia tiliaefolia Vahl var. tiliaefolia	ફાલસા	100	60	60	15	20	10	15	86	57	139	77
Abrus precatorius L.	ચણોલી	50	50	50	15	10	15	10	86	114	92	115
Aegle marmelos (L.) Corr.	બીલીપત્ર	50	50	50	15	10	10	15	86	114	139	77
Ailanthus excelsa Roxb.	અરડૂસો	50	50	50	15	10	10	15	86	114	139	77
Asparagus racemosus Willd. var. javanicus	શતાવરી	50	50	50	15	10	10	15	86	114	139	77
Cassia fistula L.	ગરમાળો	50	50	50	15	10	10	15	86	114	139	77
Cordia dichotoma Forst.	મોટા ગુંદા	50	50	50	15	10	10	15	86	114	139	77
Holoptelia integrifolia	કણજી	50	50	50	10	15	10	15	129	76	139	77
Murraya koenigii (L.) Spr.	મીઠો લીમડો	50	50	50	10	15	10	15	129	76	139	77
Psidium guajava L.	જામફળ	50	50	50	15	10	10	15	86	114	139	77
Punica granatum L.	દાડમ	50	50	50	15	10	10	15	86	114	139	77
Syzygium cumini	જાંબુ	50	50	50	15	10	10	15	86	114	139	77

Reducing Carbon footprint

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Tamarindus indica L.	આમલી ખાટી	50	50	50	15	10	10	15	3	6	4	Tamarindus indica L.
Butea monosperma (Lam.) Taub.	કેસુડો	30	30	30	5	10	5	10	8	6	7	Butea monosperma (Lam.) Taub.
Manilkara zapota (L.) van Royen	ચિકકુ	30	30	30	5	10	5	10	8	6	7	Manilkara zapota (L.) van Royen
Mimusops elengi L.	બોરસલી	30	30	30	5	10	5	10	8	6	7	Mimusops elengi L.
Plumeria rubra L.	ચંપો સફેદ કે ગુલાબી	30	30	30	5	10	5	10	8	6	7	Plumeria rubra L.
Ficus benghalensis L.	વડ	10	10	10	2	4	2	2	20	15	18	Ficus benghalensis L.
Ficus religiosa L.	પીપળો	10	10	10	2	4	2	2	20	15	18	Ficus religiosa L.
Gmelina arborea L.	શેવળ	30	5	5	1	1	1	2	40	59	35	Gmelina arborea L.
Arygyreia nervosa (Burm.f.) Boj.	સમુદ્ર શોષ	50	0	0	0	0	0	0	0	0	0	Arygyreia nervosa (Burm.f.) Boj.
Bauhinia racemosa Lam.	આસીત્રો	50	0	0	0	0	0	0	0	0	0	Bauhinia racemosa Lam.
Ficus racemosa L.	ઉમરો	10	0	0	0	0	0	0	0	0	0	Ficus racemosa L.
Grewia tenax (Forsk.) Fiori	ગાંગણી	300	0	0	0	0	0	0	0	0	0	Grewia tenax (Forsk.) Fiori
Grewia villosa Willd.	લુસ્કા	200	0	0	0	0	0	0	0	0	0	Grewia villosa Willd.
Prosopis cineraria (L.) Druce	ખીજડો	200	0	0	0	0	0	0	0	0	0	Prosopis cineraria (L.) Druce
Salvadora oleoides Decne.	મીઠી જાળ- પીલુડી મીઠી	100	0	0	0	0	0	0	0	0	0	Salvadora oleoides Decne.

TOTAL SAPLINGS PLANTED 4965

Reducing Carbon footprint

Smritivan Memorial park– Bhuj

Smritivan Memorial park is a unique initiative by Prime Minister in order to commemorate the death of about 13,805 people during this massive earthquake which had its epicenter in Bhuj District.

The memorial will occupy around 406 acres of space of the **Bhujia Dungar near Bhuj, Kutch** that will show people's **oppressive response to a natural disaster**.

As a part of this Smritivan Memorial Park, it will have a museum, convention Centre, sunset point and **Ecological park** with around varied species of trees to attract different biodiversity.

For the ecological park, approx. **24 acres** of land has been demarcated, wherein it is proposed to plant **~3 lakh local species trees**.



Reducing Carbon footprint

Smritivan Memorial park– Bhuj

Under Phase – 1 project, Govt of Gujarat through GSDMA will be planting across **1 lakh trees, across 8 acres** through “**Miyawaki**” methodology (Japanese technology of tree plantation). They have already enrolled the services of **M/s Forest Creator**, a Mumbai, based agency expertise in carrying out afforestation project, through Miyawaki technology.

Forest Creators have already been involved and completed **58** such kind of project of Terrestrial afforestation, across India and this will be their 59th project. (***Details of project carried out Forest Creator attached***)

Under this project, **~60+ local species of trees** will be planted and further the entire scope of development of Nursery, Soil enrichment, Plantation of saplings, mulching, biomass application, water supply & maintenance for 3 years are considered under their proposal. All Corporate of Kutch has supported fund for the same. APSEZ has done monitory support under CSR and Adani Foundation is coordinating for monitoring



Reducing Carbon footprint

Grassland Ecosystem Restoration project - Guneri

As a part of Biodiversity initiatives, APSEZ has proposed to take the pioneering steps towards building sustainable growth in the Lakhpat region, Kutch by taking the initiation of restoring the natural grassland habitats (Ecological Restoration) along the Guneri village, i.e. ~40 Ha grassland ecosystem in gauchar land, by involving Gujarat Ecology Society (GES) – A Nonprofit Organization, based in Vadodara, Gujarat.

The Restoration & Conservation Plan, will be executed in a phase wise manner over 40Ha of the area, over a period of 4 years

Guneri village is situated north of Lakhpat fort with a population of 967 as per the 2011 census. A Biodiversity Management Committee (BMC) already exists there and hence it becomes easy to undertake grassland restoration with the help of

committee members. The gauchar land available for restoration is around 100 Ha and about 40 Ha of the area can be considered for restoration. The restoration process will be spread over a time period of three years, starting initially with 10 Ha and slowly moving up to 40 Ha by the third year.

The project aims to take the pioneering steps towards building sustainable growth in the Lakhpat region by taking the initiation of restoring the natural habitats along the Guneri village. In the long run, this area can be declared as a Indigenous and Community Conserved Area (ICCA) in lines with a new category of protection status followed by IUCN.

Despite changes in hydrological regimes, there are certain pockets where unique biodiversity endemic to the area has

established itself with relics of past vegetation, the inland mangroves are one such area. Inland mangroves of Guneri village are a living example of the presence of rich estuary in the region sustained by a larger riverine system. The area has been well documented and proposed as Biodiversity Heritage Site. The rare and threatened species present in the area include *Helichrysum cutchicum* (endemic species), *Cistanche tubulosa*, *Campylanthus ramoissimus*, and *Sida tiagii*. Apart from the listed species, Guneri's unique ecosystem sustains good faunal diversity from herpetofauna to birds to mammals.

It is combined efforts of Environment APSEZ and Adani Foundation under consultation of GEC

Reducing Carbon footprint

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Reducing Carbon footprint

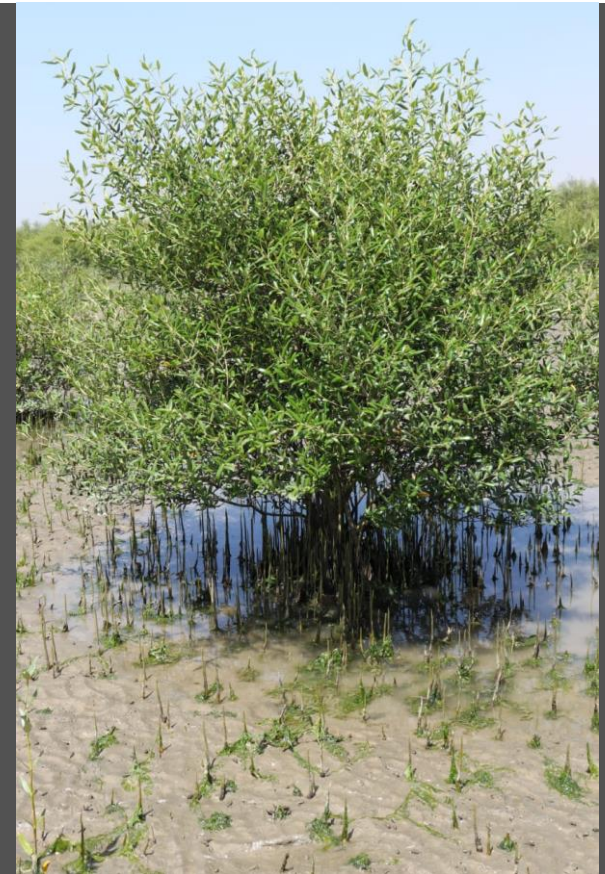
Coastal Biodiversity

In the coastal environment mangroves and mudflats are dynamic ecosystems that usually support a large population of floral and faunal life forms. Mangrove forests are highly productive ecosystems, which provide numerous goods and services both to the marine environment and people. Mangroves in India are spread over nine maritime states and three Union Territories. Gujarat has the longest (1,650 km) coastline among the maritime states of the country. With the second largest mangrove cover in India after West Bengal, Gujarat's mangrove area has increased from 1,140 km² in 2017 to 1,177 km² now.

A major portion of human population of Gujarat is solely dependent on these coastal ecosystems for their livelihood. Thus, several mangrove restoration programme/ activities are in progress in the state. Mangrove restoration activities in Gujarat are mostly single species stands of *Avicennia marina*. Adani Foundation at Mundra's initiated multi-species plantation of mangroves in Kutch association with GUIDE. 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. Due to geological set up of Kutch where fresh water source is atypical, the survival and growth of mangrove plantation remains poor. Thus, a survival rate of 30% is expected for this multi-species plantation. Mangrove biodiversity park of its kind will help in disseminating knowledge on mangrove ecosystem and simultaneously conserving the species.

Since, some of the mangrove species are not readily available in Kutch, their seeds/ propagates were procured from other districts of Gujarat and other states. The proposed species of mangroves that have the potential for enhancing mangrove biodiversity in and around APSEZL include *Rhizophora mucronata*, *Ceriops tagal*, *Ceriops decandra*, *Rhizophora apiculata* and *Aegiceroscorniculatum*.

Current year 3 hector development is planned to extend biodiversity park





Reducing Carbon footprint

Homebiogas -

Home biogas is the Israel based company was founded in 2012 manufactures dynamic biogas unit not only for farm waste but for kitchen waste too.

Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 117 home biogas in Dhrub, Zarpara and Navinal Villages.

- Reducing organic waste,
- Transitioning to renewable energy
- Motivation for reduction in use for fertilizer

Promotion of Natural Farming–Home biogas

And Improving the health and living conditions for the millions of families that are still cooking on charcoal and wood. Adani Foundation is not only supporting but creating awareness to save environment and health of the community who regularly cooking on Chula. **It is proven that one hour cooking on Chula is as dangerous as smoking 40 cigrates.**

As a Main Process, Bacteria break down organic waste in a naturally occurring process, and Home Biogas stores and harnesses the energy created so that it can be used for gas.

Earlier we had proceeded for capacity 2 cum but after visit and series of meetings with farmer group –we need to take up plant capacity 6 cum. Till date 120 farmers are utilizing it with satisfaction and considerable outcome by saving Average Rs. 23,400 for gas and fertilizer as well - Homebiogas is base of promotion of natural farming.



2,053 TONS OF ANIMAL MANURE TREATED

159,687 HOURS OF CLEAN COOKING;

4.3 TONS OF BIOGAS CREATED

125 TONS OF FIREWOOD REPLACED;

27,375 HOURS SAVED ON REDUCTION OF FIREWOOD
& COLLECTION

625 TONS CO2 EMISSION REDUCTION

Reducing Carbon footprint

See Weed Culture -

Vision

The consortium aims to take a holistic view of transforming seaweed resources as natural capital and use open source knowledge to build an innovative technology platform for harnessing the economic potentials along with the associated ecological benefits thereof. Also, foster a cordial relationship with visionary sponsors and collaborators from India and abroad for sustainable production and utilisation of seaweed resources for the production of innovative products while engaging the coastal communities as direct beneficiaries (human capital) of this unique effort.

Collabration

Agrocel, Piddilite, Adani Foundation has jointly initited the Pilot Project with a objective transform sew weed into Natual Capital as well as engaging community as a human capital.

Achievements

A pilot cultivation facility (5 KL tanks in 6 nos) for the farming of different economically important seaweeds in the tanks on the onshore has been established and commenced the cultivation trials with red seaweeds *Kappaphycus alvarezii*, *Gracilaria dura* and green seaweed *Ulva*. The initial trials have given very promising results and harvested 6-7 times the seeded material in a 40-45 days cultivation period. The successful completion of pilot cultivation trials of *Kappaphycus* has helped to move forward to set up raceway type tanks of 26 m Length × 6 m Width × 1.1 m Height in 2 nos for large scale cultivation of *Kappaphycus* in Balavadi campus at Juna Bandar, Mundra. The cultivation trials are in progress.



Water conservation Project

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 in coastal belt of Mundra as per Government Figures. Our water conservation work is as Below.

- A large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 2 check dams **(1 Check dam current year)**
- Ground recharge activities (pond deepening work for more than 52 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
- Roof Top Rain Water Harvesting 90 Nos. **(35 Nos current year)** which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 125 Nos **(50 Nos current year)** which is best ever option to
- Drip Irrigation 980 Farmers **(56 Application current year)** benefitted in coordination with Gujrat Green Revolution Company
- Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which bore well depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar.
- **Luni Pond Bund Repairing Work is completed**



Water conservation Project

- **Basis of Requirements of Drip Irrigation**

The main source of livelihood being agriculture, the cultivators tend to use more and more underground water for irrigation. Underground waters have gone very highly saline. The use of such water for irrigation has made the soil also saline and the crop yields have dwindled.

- **Process of Drip Support**

Farmer have to applied in the prescribed form of Adani foundation with photograph.

Inspection and verification will be by AF representative.

Ration card, work order of G.G.R.C, 7/12 certificate and all bills must be attached.

Farmer will be informed by telephonic to have form query.

Primary information about farmer land will be received by telephone.

Farm visit within 10 days of after received of application and verified the installation of system as per map and material as per bill will be checked and get farmer feed back.

Verification report submitted to account office.

Payment within 20 days if all document is complete through net banking.

Farmer economic study after our support. – Follow up

- **We have covered 295 farmers and 1422 acre drip irrigation area in last two years which is remarkable for water conservation in first phase – in this phase we have covered 66 farmers and 360 Acre land for the same.**
- **Total 968 Farmers and 5626 Acre Drip since 2011-12 to 2020-21 and process is going on for 56 farmers for year 2021-22.**



Education Projects

Utthan

- The Virtual and Offline classes (Shri sikshan) with parents permission with all precautionary measures as Government Guide Lines. Its very encouraging that inspired by Our Shri Sikshan Initiative - Gov Teachers also started same approach.
 - **Online Outreach-259 Students**
 - **Individual Home visit-415 Students**
 - **Sheri sikshan and school students- 838 Students**
- Coaching of 49 students for National Means cum Merit Cum Scholarship Scheme (NMMS).
- Coaching of 34 Students for Javahar Navoday Entrance Exam by Utthan Sahayak since last Three Months.
- Total 93 Meetings were carried out with parents to create awareness for education progress. Apart from that aware about Precautionary measures and Covid -19 vaccination and Gyan-setu Program Telecast on Girnar Channel regularly approximately 1503 Mothers were engaged through various events and programmes.
- As Schools learning is not possible, our Library books corner Initiate is not in Function. Hence started to issue Library books to Students during Home Visit.
- Total 394 webinar and capacity building program were arrengeed for Utthan Sahayaks and Government Officers.
- **Uththan First phase 17 Schools and 2951 students were part of the program, and second phase 14 Schools and 1952 Students were part of the programme. Total 4903 students are getting benefit from Utthan.**
- Second phase inauguration was held in last week of September in which District Primary Education Officer was remained present.



Education Projects

- Tree plantation at Utthan Primary School - Total 1000 saplings have been planted in the schools premises and laid responsibility for nurturing and care.
- Celebrated World Emoji Day. Its an unofficial holiday that is celebrated every year on July 17. Students prepared / draw 157 no of various and gifted to their friends and teachers.
- International Yoga Day celebration on 21st June Through Virtually and Physically. More than 520 Family members were participated
- Utthan Students had participated in **Lets us sing the National Anthem Contents** ,an Initiative of Government to Mark Azadi ka Amrit Mahotsav. Total 389 students and 76 parents have participated.
- Celebrated 75th Independence day with Commemorate 75 untold story , A Freedom Fighters who paid remarkable contribution for Indian Independence.



Activities	Location	
	Mundra	Nakhatrana
Silent reading	367	253
Virtual group reading – Classes: 7 and 8	42	30
Book review – Classes: 5 and 6	38	22
Puppetry show- Classes: 1-4	80	28
Total	527	333

Education Projects

- On the Rakhi festival Students made Eco friendly Rakhi and tied to the **104 Frontline corona warriors** who had paid remarkable service during Pandemic. (Doctor, Police, PHS and health Staff ,Sarpanch as well as Collector, Kutch and DDO ,Kutch).
- Arranged **Virtual Tour** regarding Plastic Waste Management with Municipal Corporation, Surat and aware about waste Collection , Segregation, treatment and Disposal Process. **Total 178 Students were participated for the same.**
- Teacher day celebration by preparing gratitude wall with card at all 17 schools.
- D- Talks are an Initiative of Global Dream, a Disruptive Movement for Universal Foundational Literacy and Numeracy. Mr. Jatin Upadhyay Talk On "Empowering the Marginalized Communities in Gujarat Through rejuvenating Education.
- World Book Day celebration on 23 April with various activities



Education Projects

Adani Vidya Mandir, Bhadreshwar
(SDG - 4/4.1)



EDUCATION: FREE AND COMPULSORY –
WHAT A WAY TO LEARN LOGIC!" The quote mentioned unfolds the distinguished vision of Adani Foundation to provide cost-free education, food, uniform, books to the children of economically challenged families of Mundra Bock. Adani Vidya Mandir, Bhadreshwar was established in June 2012, with aim of uplifting the communities through education. The school is equipped with excellent infrastructure and resources required for all-round development of the student. The child is given admission in class 1 and is molded to be an educated and a good human being by experienced and compassionate teachers. The school follows a curriculum designed by GSEB. Due to Covid Pandemic this year Class 1st Admission was done -

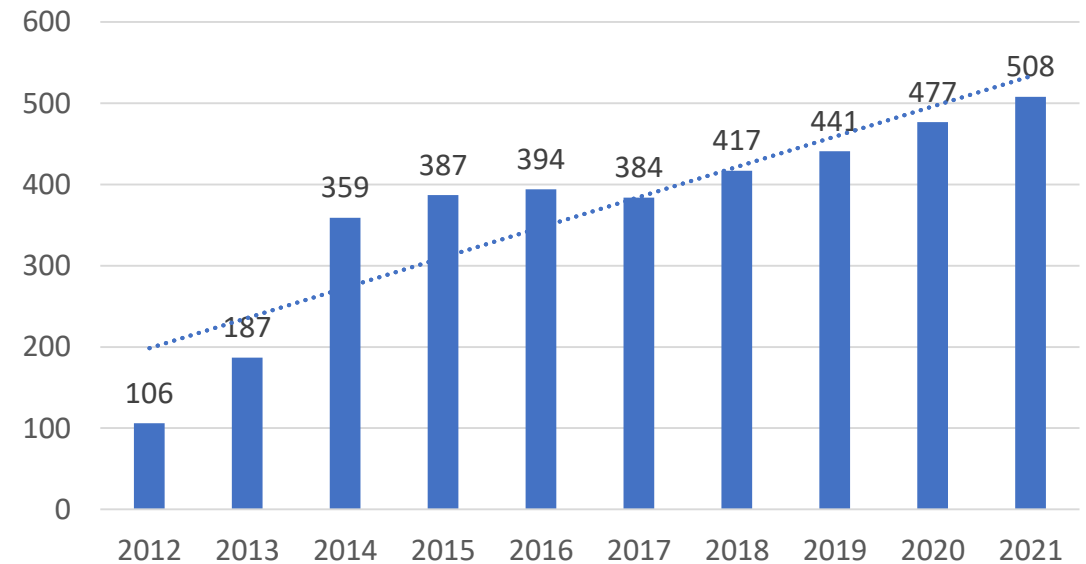
Education Projects



Adani Vidya Mandir Bhadreswar Gujrat Board Standard 10th Examination Result is 100% as board examination was not held due to Covid. Adani Foundation will take all responsibility of further study of students with respect to their interest.

The global upsurge of the Covid-19 pandemic and the resultant lockdown has brought all of us to face such unprecedented times and situations. The challenge was rural locality, network unavailability, lack of health awareness, apprehensions for technology and gadgets and financial crunch to spend on mobile / Internet.

No's of Students



But We did not Give-up and reached out to our students to pursuit educational through virtual platform by various initiatives. Not only that, our teachers started visiting their home and initiated sheri shikshan concept.

Adani Vidya Mandir, Bhadreshwar

Objective

- Provide free and quality education to economically and socially under-privileged students
- Support to students for academics and co-curricular activities and overall well-being

Project Activity

- Balwadis started in 2010, for students in age group of 2-5 yrs. In 2013, this school was built on a donated land
- Free food, education, uniforms, online tablets
- Classes from Gr-I to Gr-X with 22 qualified teachers and 8 helping staffs
- Monthly stay of Gr-X students at school before exam, along with teachers

Outcome

- **508 underprivileged students** of Fisherman & Maldhari communities from **8 villages** taking education at the school
- Educated children have better opportunities of income beyond fishing
- Quality of life and change of mindset of students & families
- With education, many addictions reduced

Closer to SDG

1. No poverty
2. Zero hunger
3. Good Health & Well-being
4. Quality Education



Farmers Sustainable Livelihood Projects

Promotion of Natural Farming



- To promote Natural farming Adani Foundation has originated cow based farming initiative with interconnected techniques which can increase farmer yield – our main objective is to improve quality of soil.

- **Implementation**

- Survey and identification of farmers to adopt Natural farming –Total 50 Farmers are selected as criteria in first phase of the Project.
- Water & Soil Testing- Most of Farm soil contain low organic carbon.
- Arranged Workshop & Hands on training for them which was conducted by Agri expert ,KVK and Progressive farmers with 500+ farmers
- 23 wormi compost unit have been set-up. Which is facilitated through Government with farmer Contribution.
- 50 Farmers have started to preparing JivaMrut & Gaukrupa Amrutam Bio-fertilizer and using in agri crop. Series of Training is arranged by ATMA and Adani Foundation
- Two Farmers Groups is registered with **ATMA –Agricultural technology management Agency – it will leverage Government schemes**





adani
Foundation

પ્રાકૃતિક ખેતી

ઉત્થાના

જીવામૃત : દુનિયાના શ્રેષ્ઠ ખાતર

જીવામૃત બનાવવા માટેની સામગ્રી

વસ્તુ	પ્રમાણ	ઉપયોગીતા
ઝાવનું તાજુ છાશ	૧૦ કિલો	નાઈટ્રોજન, પોટાશ, કેલ્શિયમ, મેગ્નેશિયમ, મૃદક, લોહ મેંગેનીયમ, જસત, તાંબુ, બોરોન, મોલીબ્ડેમ
દેશી ઝાવનું ગોમુસ	૧૦ લીટર	નાઈટ્રોજન, સલ્ફર, કોપર આર્ચન, એમોનીયમ, યુરીક-એસીડ, ફોસ્ફેટ, સોડિયમ, પોટેશિયમ, મેંગેનીયમ, કાર્બન એસીડ, કેલ્શિયમ, નમક અન્ય મિનરલ્સ, પિટામીન-એ, બી, સી, ડી, તેડો-એન્સાઈમ, પાણી, લુગીક એસીડ સાયટોકાયનીન, હાઈડ્રોક્સોડાઈડ
કોઈપણ કઠોળ નો લોટ	૧ કિલો	પોટીન અને ફાઈબર
દેશી ઝોળ	૧ કિલો	સુશ્લેષ અને અસંખ્ય બેક્ટેરીયા
વડની નયે (તળાવની માટી)	૫૦૦ ગ્રામ	અસંખ્ય બેક્ટેરીયા

જીવામૃત બનાવવાની રીત	જીવામૃતનો ઉપયોગ
૨૦૦ લીટર પાણીમાં બધી જ વસ્તુઓ ભેરો	જીવા ૫૫૬૫થી આલીને ૧ થી ૩ વાર છંદક સડાય - પોરીયા તેમજ ફીપમાં આપી શકાય
દિવસમાં સવાર-સાંજ ઘડીવાલના કાંઠાની દિશામાં ૩-૩ મિનિટ છાવવું	છંદકાવ વખતે પંપમાં ૨ થી ૨.૫ લીટર જીવામૃતનું પ્રમાણ રાખવું
જીવામૃતને છાંવડામાં રાખવું	જીવામૃત ૧૫ દિવસે આપવું - કઠોળ, પાડ, પાનસપાડ, શળાડ, શાડમાજી કે કંદમુળ તેમજ કોઈપણ પાડમાં આપી શકાય
૪ - ૬ દિવસમાં જીવામૃત તૈયાર.	

Farmers Sustainable Livelihood Projects

Pashudhan : " Fodder Support Programme, Individual Fodder Cultivation and Preventive Health Care

- Adani Foundation provides Good Quality dry and green fodder to 24 Villages. Project is covering total 14116 Cattles / 3008 farmers and hence enhancing cattle productivity. Dry Fodder 895398 Kg Green – 2425230Kg
- Fodder Cultivation- To made fodder sustain villages - 25 Acre Gauchar land of Siracha village is being cultivated for the same.
- To protect Cattles against Bovine Brucellosis zoonotic disease, Awareness and vaccination program is ongoing with Kutch fodder fruit & Forest development trust (KFFFT) in our 11 Villages , **Total 1076 Female calves** below 3 years have been vaccinated in six months.

બ્રુસેલોસિસ કંટ્રોલ પ્રોગ્રામ
Brucellosis Control Program

શું તમારા પશુમાં બ્રુસેલોસિસ રોગનાં લક્ષણો તો નથી ને ? જો હોય, તો સાવધાન...!!!

બ્રુસેલોસિસ રોગના લક્ષણો...

માદા પશુને પ મહિના પછી ગર્ભપાત થયો
જડ/મેલી ના પડ્યો
પગના સાંધાઓમાં સોજો આવ્યો

આ ભયંકર ચેપી ગર્ભપાત રોગ મનુષ્યમાં પણ ફેલાઈ શકે છે.

જડ/મેલી તથા ચોની સ્ત્રાવના સંપર્કમાં આવવાથી
ઉકાળવા વગરનું દૂધ પીવાથી

મનુષ્યમાં ચઢ-ઉતરતો તાવ આવવો, સાંધા જકડાઈ જવા અને વૃષ્ટામાં સોજો આવવો વગેરે લક્ષણો જોવા મળે છે.

મનુષ્ય જાડિયાં આ રોગનું મિટાન કરવું અને તેની સારવાર કરવી ઘણી અઘરી તેમજ ખર્ચાળ છે અને આ રોગને અટકાવવા કોઈ રસી પણ નથી.

'પુખ્ત વયના પશુઓમાં આ રોગ એકવાર ફેલાઈ જવા પછી તેની સારવાર શક્ય નથી પણ રોગી પશુમાંથી અન્ય પશુઓમાં આ રોગ ફેલાતો અટકાવવો સંભવ છે.

એક માત્ર ઉપાય : રસીકરણ

પશુને બચાવવા માટે એક જ ઉપાય છે :
જ મહિના થી મોટી વાછરડીઓ અને પાડીઓને રસી મુકાવવી.
રસી મુકેલા બચ્ચાઓને અન્ય બચ્ચાઓથી અલગ રાખવા ફિતાવક છે.
તેની ઓળખ માટે કાનમાં ટેગ/કડી લગાવવી ખુબજ જરૂરી છે.

શું તમે તમારી જ મહિના થી મોટી વાછરડીઓ અને પાડીઓને રસીકરણ કરાવ્યું છે? આવા રોગથી સંકાર્પક પશુઓનું મિટાન કરાવ્યું છે? જો ના કરાવ્યું હોય તો ; તમારા ગામના "પશુપાલક મિત્ર" નો સંપર્ક કરો...

સહયોગ
adani Foundation

મફત રસીકરણ માટે નીચે જણાવેલ પશુવન નિરીક્ષકોનો સંપર્ક કરો

કચ્છપભાઈ : M. 96011 57148
જયદીપભાઈ : M. 99098 99740

અંકીતભાઈ : M. 97379 55362
રાજુભાઈ : M. 97277 65919

અમલીકરણ
KUTCH FODDER FRUIT & FOREST DEVELOPMENT TRUST



Farmers Sustainable Livelihood Projects

Promotion of Horticulture : Date Palm and Dragon fruits

Kutch Kalpaturu Producer Company (KKPC) is established to address the challenges faced by the farmers, particularly to enhanced access for inputs, technology up gradation in Agri practices, output, Sorting, Grading, Value addition & marketing. by the farmers of Mundra Block in the year of 2020. The company is started with 196-shares of 89 Farmers , that is Rs.0.96 lacs Fund in the year of 2020. Right now it is on path of expansion up to 5000 Farmers.

- Current year for the dates Packaging and Marketing, KKPC Started to sell 10 Kg capacity packaging Box at Minimum Profit Margin At Rs.29/Boxes which resulted in turn over of Rs. 24 Lacs with Profit of 1 Lac. This initiative has supported more than 1800 farmers indirectly.
- Regular Director Board Meeting as well as capacity building Training were arranged.

Dragon fruit farming is on going by Five farmers each farmer is doing in 2 Acre farm – Total 11000 plants. Pleasure to share that Auspicious presence of Respected Douglas Smith sir, our CEO ,APSEZ the First batch of fruit was harvested.





Fisher folk Sustainable Livelihood Projects

- Get the technical and Non-technical Man-power Requirement details from CFS and APSEZ, Mundra And inform to fishermen Youth and Leader. Later Eligible fisher Youth had trained for interview facing and soft skilled practices and interviewed in respective Company. 11 Fisher Youth were interviewed among that 5 have been selected. Our target is to support 60+ Fisherman in alternative livelihood till March 2022.
- Fishermen Government Scheme awareness Program was Arranged at Adani Guest House Mundra on 11th Augusts. The schematic details was Felicitated by Fisheries Department Staff. As well as Facilitation of Pagadiya Welfare scheme & boat license sanction letter to 06 Fishermen. Till date 59 Form has been submitted to fisheries department ,Bhuj for pagadiya and boat License.
- ASDC Courses Induction Meeting with Fishermen Youth at Navinal and as well as listed out their name to start computer & Spoken English classes through Adani Skill Development Center, Mundra.
- During the **Taukate cyclone** fishermen family had been shifted to safe Places As well as support to disaster management team for advance preparation.
- Fishermen's boat get across the vessel approach often while fishing Often , which create issue due to miscommunication Between Fishermen and Vessel crew members to clear vessel approach. its delay vessel berthing



Women Empowerment Projects

"You can tell the condition of a nation by looking at the status of its women" – Women are central to the entire development process, be it in an individual family, village, state and to the whole nation.

The below mentioned figure shows determinants associated with the empowerment of women and these are the challenges for us as a CSR to work upon.

Adani Foundation is considering all parameters as a part of Empowerment.

- Education – Uthhan Project promotes girl child education, Creating awareness through various Govt schemes i.e. Vahali Dikri Yojana, Sukanya Samriddhi Yojana etc. till date covered more than 1200 girl child to get benefit out of it.
- Health and Nutrition – Suposhan Project focus on adolescent and Reproductive age women nutrition part. Till date covered more than 12500 women and 8700 adolescent under this Project and brought them to considerable status.
- Skill Development and Income Generation – Adani Foundation is working with 15 Self help group and supporting to develop entrepreneur skills to become self reliant, sourcing more than 350 women to absorb in various job – this will give them identity, confidence and right to speak in any decision for home, village and working area.
- Drinking Water and Sanitation – Total 89 Roof Top Rain Water Harvesting is supported for reducing hassle of the women to fetch the water as well as making clean water available.



Women Sustainable Livelihood Projects


- Total 15 Active SHG Group are engage as Mentioned Income generation activity. We facilitate them capacity building training for quality ,Marketing Finance and team work to made them self sustain.
- Saheli Swa Sahay Juth have completed order of 1500 Sanitary pad from District Health Department.
- "Shradhha Saheli Sva sahay Juth" is won the tender to provide Catering service in Block level Government
- Tejasvini SHG has received order of three layer mask preparation worth Rupees Nine Lacks
- Sonal Saheli Women SHG had supplied 500 KG washing powder to Adani port & Will mar.
- Shradha Saheli & Jay Adhar Saheli have been registered in FSSAI (Food safety and standards Authority of India.

Sr.No	Name of IG activity	Activity	Nos
1	Sonal Saheli Swa Sahay Juth	Phynale & Washing Powder	11
2	Jay Adhar Saheli Swa Sahay Juth	Dry Nasta	12
3	Tejasvi Saheli Swa Sahay Juth	Stiching,Uniform,Bag	12
4	Umang Saheli Swa Sahay Juth	Soft toys, Jula,	13
5	Vishvas Saheli Swa Sahay Juth	Tie & Die, Stitching	13
6	Jay Momay Saheli Swa Sahay Juth	Tie & Die, Stitching	12
7	Meghadhanush Saheli Swa Sahay Juth	Mud Works,	10
8	Saheli Swa Sahay Juth	Sanitary Pad	10
9	Radhe Saheli Swa Sahay Juth	Dhadaki, Small Godadi	14
10	Shraddha Saheli Swa Sahay Juth	Fresh Food	10
11	Chamunda Saheli Swa Sahay Juth	Tie & Die	10
12	Jay shakti Saheli Swa Sahay Juth	Stitching	10
13	Navdurga Saheli Swa Sahay Juth	Sanitary Pad Sale	10
14	Sakhi Saheli Swa Sahay Juth	Sanitary Pad Sale	10
15	Sonal Krupa Saheli Swa Sahay Juth	Stitching	10
168 Members in Group			


Women Sustainable Livelihood Projects



Economic Empowerment of women means "Enhancing the role of women as drivers of poverty reduction, promoting female investors and entrepreneurs as per SDG 5" in this half year all 15 women groups did turn over of Rs. 11.5 Lacs. 43 women got job in various SEZ industries by AF intervention and 11 women got absorbed as Gram Rakshak Dal, Bank Sakhi and Bima Sakhi.



Registration Certificate
Government of Gujarat
Food And Drugs Control Administration
Food Safety and Standards Authority of India
Registration Certificate under FSS Act, 2006



/ Registration Number: 20721013000245

1. Name and permanent address of Food Business Operator (FBO)

2. Address of location where food business is to be conducted / premises

3. Kind of Business


4. Photo Identity Card

JAY AADHAR SAHELI SVA SAHAY JUTH
BAROI , Baroi , Mundra, BHUJ(KUTCHH),
Gujarat-370421

BAROI, Baroi , Mundra, BHUJ(KUTCHH),
Gujarat - 370421

General Manufacturing

N/A



This Registration certificate is issued under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the petty food business.

Place / BHUJ(KUTCHH)

Issued On / 12-03-2021 (New Registration)

Valid Upto: 11-03-2022 (For details, refer Annexure)

Registering Authority

Annexures:

1. [Product Annexure](#)
2. [Validity Annexure](#)
3. [Registration Id Card](#)

Note:

1. Application for renewal of Registration Certificate can be filed as early as 180 days prior to expiry date of Registration Certificate. You can file application for renewal or modification of Registration Certificate by login into FSSAI's Food Safety Compliance System(<https://foscos.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
2. This Registration Certificate is only to commence or carry on food businesses and not for any other purpose.
3. This is computer generated Registration Certificate and doesn't require any signature or stamp by authority.
4. This Registration Certificate is allowed to conduct food businesses activities having annual turnover upto Rs. 12 Lacs only.

Community Health Projects

Mobile Health Care Units and Rural Clinics



9 Rural Clinics

06 from Mundra 02 from Anjar & 01 from Mandvi block treated ;

3843 patients.

31 villages covered, with 94 types of general and life saving medicines through Mobile healthcare unit

3364 patients benefited during six months

Community Health Projects

Swasthaya Seva to needy Patients

06 patients are provided Dialysis treatment at 133 times with nominal charges at Adani Hospital

471 – Economically Challenged patients have been supported for operation ,OPD ,IPD ,Medicines and lab-test.

Promoting preventive health care

Initiated identifying patients of NCD-Non communicable disease by survey which will help to diagnosed chronic disease at early stage and treated as well. From 960 patients - **80 Patients are find symptomatic to Hype, tension, Diabetic.**

As a part of emergency situation - Rural clinic and Mobile van are equipped with Portable ECG machine & Life saving medicines to treat cardiac patients For Preventive health care General and multispecialty camps Pediatric camp, General Health camps in nine villages and Super specialist camp which benefitted more than 1100 patients of Mundra Taluka.

16 Senior Citizen have been linked with Government Niradhar pension scheme, 34 senior citizen linked up with Ayushman Yojana and 67 Senior Citizens were referred to GKGH Bhuj for chronic illness.



Community Health Projects

Corona Related Work at GKGH and AHMPL

- Started Covid care centre service at **Samudra town ship** to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment & co-ordination.
- AF team voluntary performed patients care and co-coordination duty at GKGH ,Bhuj for 23 days.
- AHMPL,Mundra was converted into Covid Hospital with 100 bed Facilities with oxygen to extend Covid medical treatment over community. All related coordination done by our team for more than 353 OPD and IPD.
- Provided Oxygen Concentrator machines for Home isolated patients resulted in goodwill.
- Provide Dead body van service to shift covid demise patients to Crematorium with all dignity.
- Precautionary voice message dissemination through Awaj de voice message service Over Community.
- Started Village Sanitizing activities and Ukalo, Vitamin C tablet distribution



Community Resource Center

Scheme	Detail	Total
Widow	Widow pension	78
Fishermen	Pagadiya License & Boat License	59
Kitchen Garden Kit	Kitchen Garden kit	20
Mukhya Mantri Yojna	Orphan Covid Child	14
Su-kanya Yojna	Fix deposit	11
Manav Garima	Tools & Kit support	1
Agriculture	Barrel & Chaff Cutter	12
Bal Ayog Yojna	health	19
Senior Citizen	Pension Yojna	06
Vahali Dikri Yojna	Fix deposit	2
Total		222



Though there are huge number of Government welfare scheme but people could not get it s benefit because of awareness and access facilities.

We have started community resource center at Field office Mundra to facilitated Government scheme as below

Till the date more than 2100 beneficiaries and during past six months 222 application have been submitted to Government Department i.e. widow pension scheme, Senior Citizen pension scheme, agriculture and fisherfolk related scheme, child support scheme after pandemic, vahali dikri Yojana etc.

Community Infrastructure

Work Completed

- 31 RRWHS structure have been completed
- 45 Bore-well recharging activity is completed .
- Development Approach road Prasala vadi vistar Gogan Pachim at Zarpara
- Earthen bund Repairing work at Pond, Luni.
- Pre-moon soon activity Approach repairing, Village Pond lake strengthen and river cleaning (babul cutting) work is ongoing in Various Villages
- Approach Road repairing at Various Fishermen Vasahat(ARC).

Work in progress

1. Construction of common Gathering Rooms at Wandi village.
2. Development of Chain Link Fencing at tree forestation at Nana Kapaya.
3. Construction of community gathering Shed at Mundra- work in final Stage.



Adani Skill Development Centre

ASDC, Mundra

Courses	Female	Male	Total
Digital Literacy	10	20	30
Tally with GST	02	03	05
General Duty Assistant	04	01	05
Dori work	21	00	21
Mudwork	18	00	18
Basic Functional English	09	12	21
Beauty Therapist	01	00	01
Manicure and pedicure	20	0	20
Data entry operator	02	0	2
Junior crane operator	00	48	48
Total	87	84	171

RPL – Recognition of Prior Learning Training given to Adani Group Contractual Employees –Total 218 Employees have been benefitted Junior Crane Operator practical training to 36 Candidates for (Group-1,2 & 3) At MICT Port

Guest Lecture On Mehendi products , Beauty Therapist & Resin art Total 100 candidate have been benefitted.

Certificate Distributed to Mud work candidates at MICT Colony-30 women learnt Mud work.

Volunteer Support in GKGH and Adani Hospital during covid pandemic

21 students were coordinated for interview in sea bird CFS of Mundra.

Centre Inspection by Mr. Krunal (GSDM) At Solar Mundra Under Sankalp project

We Received 4 Star rating from the Department.



Adani Skill Development Centre

ASDC, Bhuj

Courses	Female	Male	Total
General Duty Assistant	47	16	63
Diet & Nutrition (Chanakya College)	36	5	41
Digital Literacy (Chanakya College: 30 + Online: 5 + University: 3)	26	12	38
GST with Tally (Online: 1 + University: 22)	20	3	23
First Aid (Chanakya College)	35	6	41
Basic Functional English	3	1	4
Beauty Therapist	3	0	3
Financial Literacy (Chanakya College: 18+ University: 3)	20	1	21
Junior Crane Operator	0	3	3
Welding Technician	0	1	1
Logistics & Supply Chain Management	0	1	1
Frontline Health Worker	5	0	5
Occupational Safety and Health Administration	1	0	1
Domestic Data Entry Operator	0	1	1
Total	196	50	246



Other Activities:

Launched New online General Duty Assistant & Beauty Therapist for 63 candidates under (DDU-GKY).

Certificate Distribution program to Old GDA batch (DDU-GKY).

Soft Skills Training Certificate distribution to Prisoners of Palara Special Jail.

Guest lecture on " **Tally: Older vs New**" & " **Concept of Emerging E-way Bill**"

total 100 Candidate had attend Guest Lecture.

Nakhatrana CSR

CSR activities being executed for the holistic development of eight most effected villages. in four core area Education, health, SLD and CID

- Carried out Survey of Widow women for Gov Pension scheme. There are Total 246 widow women among them 121 have been facilitated with Widow pension scheme@ Rs.1250/Month i.e. Rs.121250 /Month.
- To increase the ground water table we have started Ground water Recharging activity.Total 22 Bore well have been recharged at Ugedi and Deshalpar Villages.
- Repairing of Four Old check dam ,two pond have been deepen in Ugedi Village.
- World Environment day celebration on 5th June by tree Plantation at Jinjay & Ugedi Villages.
- Tree Plantation at Ugedi primary School with nurturing responsibility over Students **one Tree one Child**.
- Respected Gautam sir Birthday celebration with Tree Plantation at Ugedi schools.
- Adani Foundation day celebration at Deshpar –Gantuli Wiodw pension Government scheme form filling and brief about adani foundation activities.
- Mangoes sapling have been Given to Farmers and aware and awake about the important of Horticulture Cropping to doubling the farmer Income. 1000 Mangoes Sapling had been Distributed to Ugedi and Deshalpar Villages Farmers Accordingly.



Sr. No	Village Name	Total Widow woman	Eligible for Pension scheme	Total remaining	Facilitated Through AF
1	Ratdiya	45	27	18	26
2	Ugedi	42	36	6	19
3	Amara	43	17	26	17
4	Deshalpar (G)	69	44	25	39
5	Jinjay	25	18	7	12
6	Dhamay Navi	13	5	8	5
7	Dhamay Juni	9	3	6	3
Total		246	150	96	121

Nakhatrana CSR



- Under Utthan project total 8 schools and 1165 students are getting benefit since two years
- Even though the covid pandemic Uthhan education is ongoing with innovative teaching method.
 - **Online Outreach- Students-375**
 - **Individual Home visit-138**
 - **Sheri sikshan and school students- 313**
- Apart from regular classes Utthan Sahayks conducted online Covid awareness session. In which 100+ students and 80+ mothers took participate
- Utthan Sahayks approached Virtual classes for progressive learner before 9:00 am and after 8:30 pm.
- 21 students have been coached guided for National Means cum Merit Cum Scholarship Scheme (NMMS).
- Mothers Day Celebration and sensitized about how they are key point for their family growth. Total 350 mothers were participated
- International Yoga Day celebration on 21st June Through Virtually and Physically. More than 100 Family had participated
- More than 504 Mother were informed and awaked durinh mother meeting in Utthan Villages and aware about their wards education progress Health ,Hygine.
- Capacity building program for Utthan Sahayaks and Government Officers.
- Celebrated 75th Independence day with Commemorate 75 untold story , A Freedom Fighters who paid remarkable contribution for Indian Independence. And 139 Utthan school students and 53 parents had participated in Rashtragaan ,an initiative by the Ministry of Culture to Mark Azadi ka Amrit Mahotsav.
- Rakhi festival Students made Eco friendly Rakhi and tied to the 108 Frontline corona warriors.
- Arranged Virtual Tour on Plastic Waste Management with Municipal Corporation, Surat 73 Students were participated for the same.
- Teacher day celebration by preparing gratitude wall with card at 08 Utthan schools.
- D- Talks are an Initiative of Global Dream, a Disruptive Movement for Universal Foundational Literacy and Numera. Mr. Jatin Upadhayay Talk On "Empowering the Marginalized Communities in Gujarat Through rejuvenating Education.
- World Bool day celebration and started issue our library corner Books ,297 Books were issued by 6 to 9 standard students through our Library corner initiative which prompted them for reading nd created curiosity to know more.
- Teacher day celebration by preparing gratitude wall with card at all 08 schools.
- 25 Students are being taught for Javahar Navoday Entrance Exam by Utthan Sahayak since last Three Month.

Tuna CSR



CSR activities being executed for the holistic development of three most effected villages and two fisherfolk settlement AKBTPL, Tuna.

We are Providing sage and clean potable water to Vira and Ghavarvado Fishermen vasahat and Vandi Village.
Total 11310 KL water was supplied by coordination with GWIL.

Two Pond Deepening at at Rampar Village and Community training center construction at Vandi Village.

Tree Plantation at Rampar primary School with **one Tree one Child concept to Nurturing Environment. 500+ trees planted**

Fodder distribution to Rampar and Tuna Villages.
Green Fodder -720310Kg
Dry Fodder -26680Kg Green.

Bitta CSR

Under Adani Solar Limited – 40 MW Solar Panel Power Unit is Situated at Bitta Village in Abdasa Taluka. We have done various activity under the CSR work.

As Abdasa is water scared region awareness for water conservation was provided to 50+ farmers of Bitta, Dhrufi and Moti Dhrufi villages.

Cleanliness of village Pond inlet in the Bita Village which lead more storage capacity and Village. Pond bunding construction in Dhufi village.

Panchayat Building construction was carried out by Adani Foundation's support and technical guidance.

Drainage line maintenance and Cleanliness is frequently done in Bita which lead Swachh Village



Dignity of Work Force Programme - EVP

Presently in Mundra Population of migrated labour community is increasing. Some of them are living in pathetic condition due to lack of awareness and education. It is true that we cannot achieve our goal of development until we support to up bring lives of this community. Basic needs of this labour force needs to be address. In labour Vasahats they are not getting facility of health facilities, proper living condition, sanitation or proper living atmosphere. This leads to addiction and various diseases.

Under Employee Volunteering Programme, Adani Foundation employees are supporting to more than 800 students of Hindi Medium from workforce background.

Adani Foundation Medical officers are providing their services at Labour clinic at Every Saturday Sunday and covering more than 150 patients in a week.

Joy of giving week celebration is scheduled twice in a year. In June 2021, more than 7500+ cloth distribution to workforce families by Employees of Adani Group under EVP.

DE addiction Awareness Campaign is going on with "Prajapita Brahmakumaris" at Labour Vasahat Areas. This campaign has changed life of many labours. Cleanliness Drive is organized in May and August with Adani Willmar Limited at vasahat areas.

Rakshabandhan and Ashadhi bij celebration by Mundra Solar

Dignity of workforce programme is arranged by joining collaboration with Adani Wilmar Limited, APSEZ, labour contractor and leaders of union. adan



Dignity of Work Force Programme - EVP



India's National TB Elimination Programme (NTEP) aims to meet the ambitious goal, announced by the Honorable Prime Minister Shri. Narendra Modi, of ending the TB epidemic by 2025, five years ahead of the UN Sustainable Development Goals (SDG) of 2030. In response to this call, the Government of India and USAID jointly launched the Corporate TB pledge (CTP), in April 2019 to galvanise corporate support to end TB. To continue the momentum and efforts, the USAID-supported iDEFEAT TB project,

which is working towards institutional strengthening to accelerate actions for Tuberculosis (TB) and drug resistant TB (DR-TB) in India; was launched as USAID/India's flagship TB project. The project works in collaboration with the Central TB Division (CTD), Ministry of Health and Family Welfare (Mo HFW) of the Government of India across a network of diagnostic, treatment, and program management institutions.

The CTP secretariat, hosted at The Union under the iDEFEAT TB project, provides technical assistance to government and corporates to adapt, implement TB interventions, and guide corporate resources for TB and DR-TB care.

Early diagnostics and treatment initiation are key to saving lives and minimizing disease transmission. In 2019, India reached a milestone of 24 lakh notified cases in India, an increase of 12% compared with 2018. Even then, an estimated 5.4 lakh were 'missing' across India, a serious drawback to our TB

elimination efforts as what is not measured is unlikely to be improved. Diagnostic delays are also prevalent in India, with studies indicating that these can be attributed to patients as well as health systems.

Adani foundation with APSEZ, APML, AWL and MSPVL HR department in coordination of FOKIA has launched cluster based screening program to eliminate TB in labours under Dignity of workforce program. Adani Ports and SEZ Limited has initiated screening with 2300 work force in first phase with target of screening more than 10,000 workforce of all group businesses and SEZ Industries.

USAID/India team including Director – Health Office has planned to visit Adani Foundation CSR Activities related to community health. He visited Adani Hospital, GKGH Hospital and related activities.

Success Stories : Stories of 9 Empowered Women of Mundra



Educating and investing in women and girls has a multiplier effect on productivity, efficiency and economic growth but economically strengthening women is not only a means by which to spur and sustain inclusive industrial development, it is also a matter of advancing women's human rights.

Success Stories



"Biogas asanje kutum jo hakdo sabhy j aay"
(Homebiogas is our family member now)
words by Gita Bharu sheda residing in
Zarpara village. We get bio slurry which is
golden material for growth and I am so happy
to cook on gas flame !! Earlier we have to
collect wood and 5 hours per day breathing
carbon during cooking period..
We will create awareness of the same to
other farmers also.



Jetbai Gadhvi residing in Bhorara, she is
saying " Now rural women can enjoy a smoke
free life and almost entirely freedom from
firewood collection and management. We
feel safer, healthier and less worried - now
we have time for other activities.

Success Stories



Valbai Sheda is residing at Zarpara village Prasla Vadi Vistar. She is Arts graduate and very much interested in developing various types of fodder. Having 5 cows and 2 buffalos, use of biogas since 4 years soil become fertile. She is developing Super Napier Bajra - NB21 and using chaff cutter for cutting it. She always use to make silage and cattle food with high protein. With all experiments milk quality and also quantity increased by half ltr to one ltr per day per cow



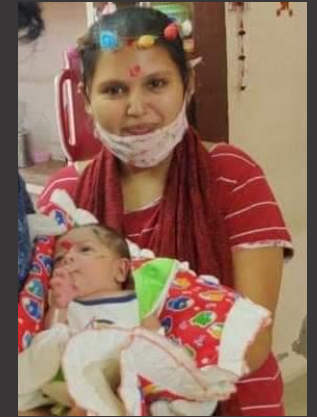
Heerbai sodham residing at Nana kapaya who is progressive lady farmer. She lost her husband in 2015 in road accident. Responsibility of 4 children made her determined to earn for family. Her mother in law encouraged her for continue agriculture work. Her daughter is studying BSc nursing at Ahmedabad. Since 3 years she is doing cow based natural farming. After knowing about homebiogas she approached Adani foundation and today on world environment day with her contribution installation carried out at her farm. We salute her strong approach for natural farming and courage to take care of whole family with confidence

Success Stories



Gitaben is lady farmer doing natural farming at Bhorara Village. She is taking care of her dragon fruit farm having more than 3000 plants with zero chemicals. She is widow and having 3 children . Her daughter is civil engineer and helping her in cultivation. When we meet her in month of March and offered our support – she told she just required guidance for jeevamrut and Gau Krupa Amrutam. She took part in "Kamlam" Exhibition at Ahmedabad. Adani Foundation salutes her confidence and self respect.

When a sweet little angel came into this world she was not at all aware about condition of her parents !!
Divyanen soni residing at Gandhidham was nine month pregnant, delivery date was having only 7 days time period.
In this happiness time - suddenly symptoms of corona appeared and corona test came out positive.
Her husband Nikunj soni inquired to many private hospital but nobody was ready to take responsibility of delivery of corona patient.
Finally the couple came to Adani GKGH hospital. Including corona treatment safe Delivery happened of patient - saved two lives !!
When divya ben left for home with a cute baby girl she said " Thanks word is very small for this nobel help - I got great gift of the God "



Success Stories



Ranjana ba is 28 years old lady lives in bhorara. She has 4 children. Her husband Raghuvirsinh lost his life before 3 months due to corona. For Ranjan ba it was a very crucial time - socially and financially.. Jagrutiben meet her n fill forms of bal sanrakshan for 4 children. She will start getting 2000 per child - Rs 8000 per month from GOG. This support will be blessings for her.



Diwali Ben Parmar age 62 Years living at Mundra. Her name is totally opposite to her personality - she is 100 percent blind. With help of karsanbhai she started getting Niradhar vridhd pension Rs 750 per month as well as she received bus pass today. We can see her blessings by her innocent smile..

Success Stories

"if you are planning for one year grow crops, if you are planning for 10 years grow the fruit saplings, but if your planning is for 100 years grow education" – this is a well-known proverb. It is not that person does not know about education but when a person has to make choice of education v/s hunger the later one wins the battle. Dearth for education burns to extinguish fire of hunger.

The war of Education v/s hunger was the same in the house of Haribhai Khetshi Sheda a resident of Zarpara Village of Mundra. The couple Haribhai Sheda has 7 daughters and 5 sons was earning livelihood through grazing animals, working in others farm, and trying to grow something in his own farm with great difficulty. In the grave financial conditions there was no scope that children could be educated as all were occupied as child labourers and all gave priority to work as compared to education. But, story was

different with the fourth child Nagajan Sheda. For him detection of polio followed by permanent defect in leg due to doctors fault turned as a blessing in disguise as he completed education till class 9 and dropped out after failing in class 10.

In 1991, when Adani Company started Mr Nagajan got labour work from a contractor. His first marriage had failed but was comfortable with the second wife. His first daughter from first marriage was Jyoti. He tried to give her best of childhood. He took an oath to educate the daughter by any means and make her doctor. It was his burning desire to see the upcoming generation of Charan samaj educated. He determined to do anything to have the tag of Dr. for his daughter.

Mr Nagajan started a tea stall for the people coming to work at Adani Port. But too bad of

his fate nobody turned up for 08 days as he was using cow and buffalos milk and not of the packet. He didn't have enough fund to invest for the same. Meanwhile one contractor came with 50 labourers to do some civil work and they all started coming to his tea stall. Gradually, he borrowed 5000 rupees to bring things for the shop and also took the franchisee for Amul. He admitted Jyoti in the govt school of Dhrub. The family of Nagajanbhai also got two more sons and a daughter.

In order to fulfill his desire Nagajanbhai started searching for a good school in nearby area and narrowed down to Adani Public School, CBSE school. The family members opposed for the same as it would increase the expense for all. He was firm and said " I will eat chapatti and salt but will educate my daughter".

Success Stories



Jyoti was admitted in the school in Jr.Kg. The teachers of the school could understand the passion of the parent and her journey in APS started which was followed by her 03 siblings joining her in the same school.

Inspite of distance, different timings of all

the section Mr Nagajan use to meticulously do pickup and drop for all the children. His wife supported him by doing all the household chores on her own, managing livestock and farm to earn some amount.

Time flied and Ms Jyoti secured 92% in Class 12 Science. The first target of Mr Nagajan was achieved. He received great appreciation and could set an example for his community. At present his two sons Rudra and Shivam are in 11th and 7th respectively and daughter Sonal is in class 9. It is not been an easy task to regularly pay fees of 04 kids. Yet he managed to do so. At times he has become fee defaulter which created various issues like result on hold etc. At one point of time he sold his plot and paid fees. His all the four children are good at studies and other co-curricular activities. Jyoti has got first position in district level

throw ball, has got the best school award in swachagraha, gave a speech on kargil day and many others.

Jyoti is firm to fullfil the dream of her parents. She is able to drive vehicles like bolero, bike and grows different plants.

In the community of Nagajan Bhai early marriages are still prevalent. But, he has not done so for any of his kids. Nagajan bhai has proved to be a living example that if one decides he could achieve anything be it education of kids or their bright future.

Our country needs many such Nagajan bhai to have many Jyoti's!!!!

Events



Inauguration of **Community Resource Centre** on **3rd April** to bridge the gap between Government and community to facilitate government schemes with Launching of "Super 51" Book Let by auspicious presence of Respected DM kutchh Ms.Pravina D K - IAS, District Development Officer Mr Bhavya Verma - IAS, Director, DRDA Mr Joshi , Director- Social welfare office Mr Arvind Rohadiya, Mr Chaudhary Sub Divisional Magistrate.

All dignitaries has visited Sanitary pad making unit and discussed with Saheli group women regarding orders and capacity. Pravina D K mam meet all women groups and asked NRLM department to prepare empowerment plan for the SHG's.

Events



❖ Super specialist health camps

With Joint Collaboration of Adani Foundation, Adani Hospital Mundra & Sterling Ramakrishna Hospital Gandhidham at Adani Hospital Mundra on 26th August. With availability of **Dr. Ankur Gupta** (Neuro & spine surgeon), **Dr. Tausif Sauravardi** (Pulmonologist), **Dr. Gautam Pipara** (Urologist), **Dr. Kunal Thakkar** (Endocrinologist) from Sterling Ramakrishna Hospital Gandhidham render their services accordingly.

With Joint Collaboration of Adani Foundation, Adani Hospital Mundra & Sterling Ramakrishna Hospital Gandhidham at Rotary hall on 28th September. **Dr. Ankur Gupta** (Neuro & spine surgeon), **Dr. Tausif Sauravardi** (Pulmonologist), **Dr. Gautam Pipara** (Urologist), **Dr. Kunal Thakkar** (Endocrinologist) Dr. Sachin Patel (MD), Dr. Rajesh Shukla (Surgeon) and Dr. Treyank Shukla (Pediatrician) had provided their services

Total 961 **Patients** had benefitted.



Doctor's Day Celebration

Kutch Kalpataru farmer producer organization is working for promoting dates of Kutch. On the occasion of Doctor day on 1st July, KKPC Farmers honored Doctor, Nurses and House keeping staff of GKGH, Bhuj & AHMPUL, Mundra with great respect to paid their sincere contribution during Covid -19 Pandemic.

On this day all Directors of KKPC were remain present and facilitate all medical staff with dates packet. More than 800 Staff members have been facilitated with the same.

This shows great feelings of farmers towards remarkable work of Adani healthcare in pandemic condition at Mundra and Bhuj Hospital.

Events



We celebrated **25th Silver Jubilee of Adani Foundation** at Adani House Mundra. On this Auspicious day We facilitated 11 women of Mundra Villages who have done Remarkable work in their filed in the Presence of EDM Shree Rakshit sir and HOD of APSEZ. acquainted about Adani Foundation Journey.

As well as Appointment letter Felicitated to Mamd Shakil Manjaliya, a First Fisher Youth who have peruse Mechanical Diploma



On the occasion of **Respected Dr. Pritiben Birthday** at 29th August, 21 Ration kit were distributed by APSEZ & AWL Employee To needy widow and senior citizen Women who are alone & passing measurable life

As well as ensure to continue ration kit support for life long to them.

Events



World Environment Day Celebration

Miyawaki forest development inauguration was held in coordination with Gram Panchayat, Forest Department and Mnrega. Additional collector, Sub division Magistrate, Range forest officer, TDO, Head environment, Panchayat members and Talati remained present. Press media was also live in this virtual event. Executive Director Mr. V. S. Gadhvi had given motivational speech on the occasion.

MOU signing ceremony for promotion of Natural farming with KSKV kutchh University. Dr.Jayrajsinh Jadeja vice chancellor and Dr.Mrugesh trivdi HOD of earth and environmental science were present and discussed about the road map for involving more than 2000 farmers for natural farming



International Coastal Clean up Day

Adani foundation MUNDRA has celebrated International Coastal Clean up Day with Coast Guard" with theme swachhagraha.. School students, Coast Guard staff and Adani foundation staff had cleaned Mandvi beach and give a message of swachhagraha.. In this event more than 150 students and 120 staff members of coast guard and Adani Foundation had taken part

Visits



- **ESG team** of Adani Group had visited AF Mundra - sustainable Project & business
- **Adani Foundation COO**, Respected Chandrasekhar Gowda sir-COO Adani Foundation had visit of all AF Project Mundra.
- **Adani Digital Lab & AF Communication Team**, had visit all AF Project Mundra.
- **MOEF team** had visit about APSEZ & AF Sustainability Projects.

- **EDI -Entrepreneurship Development Institute Team** had visit to frame out sustainable SHG development Project
- Gujarat Ecology Commission has visited grassland development project
- **100 VVIP Investor had Visit** APSEZ ,Mundra as well as Briefed about CSR activities and Gifted with NAMDA Frame which is unique combination to Revival of NAMDA craft and Mangrove Bio diversity- Fauna.



Mapping AF Projects with Sustainable Development Goals...

Sr No	UN-Sustainable Development Goals	Illustrative Mapping of Mundra Projects
1	No Poverty	Support to Farmers, Fishermen and Locals, Adani Skill Development Centre (ASDC)
2	Zero Hunger	Natural Farming, Drip Irrigation Project, Dragon Fruit Farming, Date Tissue Culture
3	Good Health & Well-being	Gujarat Adani Institute of Medical Sciences (GAIMS), Health Clinics, Mobile Health Vans
4	Quality Education	Adani Vidya Mandir, GAIMS & ASDC
5	Gender Equality	Co-education in Adani Vidya Mandir & ASDC, Saheli Samitis, Support to Women Farmers
6	Clean Water & Sanitization	Water Conservation Projects, Potable Water to Fishermen
7	Affordable & Clean Energy	Usage of Solar Energy, Promotion of Bio-Gas Plants
8	Decent Work & Economic Growth	ASDC, Self Help Groups (SHG), Local Arts Revival
9	Industry, innovation & infrastructure	Tissue Culture, Seaweed Culture, Local Arts Revival
10	Reduced Inequalities	SHGs, Local CSR Leadership
11	Sustainable Cities & Communities	Community Infrastructure, Smriti Van
12	Responsible Consumption & Production	Usage of Solar Energy, Natural Farming
13	Climate Action	Mangroves Conservation, Biodiversity, Water Conservation, Seaweed Culture
14	Life below Water	Mangroves Conservation, Seaweed Culture
15	Life on Land	Mangroves Conservation, Smriti Van, Animal Husbandry
16	Peace, Justice & Strong Institutions	Local CSR Leadership, Self-sustained Open Structures
17	Partnerships for Goals	Revival of Local Arts, Smriti Van, Project Swavalamban, Seaweed Culture

Stories of change - impact in numbers...



175+

Hectares of Land Luni
Mangroves Biodiversity

5820+

Fisherman person days
employed in Mangroves
Plantation

41000+

Plantations at Smriti Van
of **115 varieties**

950+

Beneficiaries of
multispecialty health camp

500+

Students at Adani Vidya
Mandir

8900+

Beneficiaries of Health
Initiatives

15

SHGs under 'Saheli'
initiative for Women

121

Home Biogas Plants
installed in 5+ villages

8700+

Special health care for Sr
Citizens in **68 Villages**

1632+

Beneficiaries enrolled in
Govt Schemes in FY21

20

Check Dams constructed
and rejuvenated

5000+

Students under Utthan
initiative in **39 Schools**

Summary - Budget Utilization of six month F.Y. 2021-2022

Sr No	Particulars	Approved Budget	Budget Utilization	% of utilization
A.	General Management and Administration	76.12	23.67	31.10%
B.	Education	172.05	18.07	10.50%
B1	Utthan-Education -Mundra & Anjar	149.51	16.91	11.31%
B2	Utthan : Fisherfolk	22.54	1.16	5.14%
C.	Community Health	330.38	107.47	32.53%
D.	Sustainable Livelihood Development	426.28	171.64	40.26%
E.	Community Infrastructure Development	141.35	11.18	7.91%
F.	EDM Recommended Projects	100.00	2.65	2.65%
G.	COVID 19 Support	25.00	12.16	48.63%
	Total AF CSR Budget :	1,271.18	346.84	27.28%
[I]	Adani Vidya Mandir-Bhadreshwar	189.84	40.41	21.28%
[II]	Project Udaan-Mundra	167.42	17.99	10.75%
	GRAND TOTAL Budget F.Y. 2021-22 :	1,628.45	405.24	24.89%

Adani Foundation Kutch

Thank You

Annexure – 4

Ahmed

DISTROMED KUTCHH SERVICES PVT. LTD. MONTH: Sep-21

Date	Challan No.	BMW WASTE CATEGORIES				Total Kg.	Sign.
		Category Yellow	Category Red	Category Blue	Category White		
		Yellow Bag	Red Bag	Blue Bag/*C.B.	*PPC		
1	8-9-12357	15	19.5	10	1.5	48	SP
2							
3	8-9-8544	17	20	3	1	41	SP
4							
5							
6	8-3-2400	22	13.2	5.5	0.3	41	SP
7							
8	8-3-2517	29.5	15	10	0.5	55	SP
9							
10	8-3-2615	18	15	16.2	1	50.200	SP
11							
12	8-3-2755	32	22	21.200	0.1	75.300	SP
13	8-3-2875	8	6.2	3	1	18.200	SP
14	7						
15							
16							
17	8-3-2971	5	6.2	6.1	1	18.200	SP
18							
19							
20	8-3-3039	17	14.5	4.2	1.1	36.800	SP
21							
22	8-3-3152	15.2	10	3.5	1	29.700	SP
23							
24	8-3-3250	15	15	11.2	1	42.200	SP
25							
26							
27	8-3-3390	35.200	32.600	34.800	1.5	104.100	SP
28							
29	8-3-3504	26.200	15	8.500	1	50.700	SP
30							
31							
	Total	255.100	204.200	137.200	12	608.500	SP

*PPC : Puncture Proof Container

*C.B. : Cardboard Box

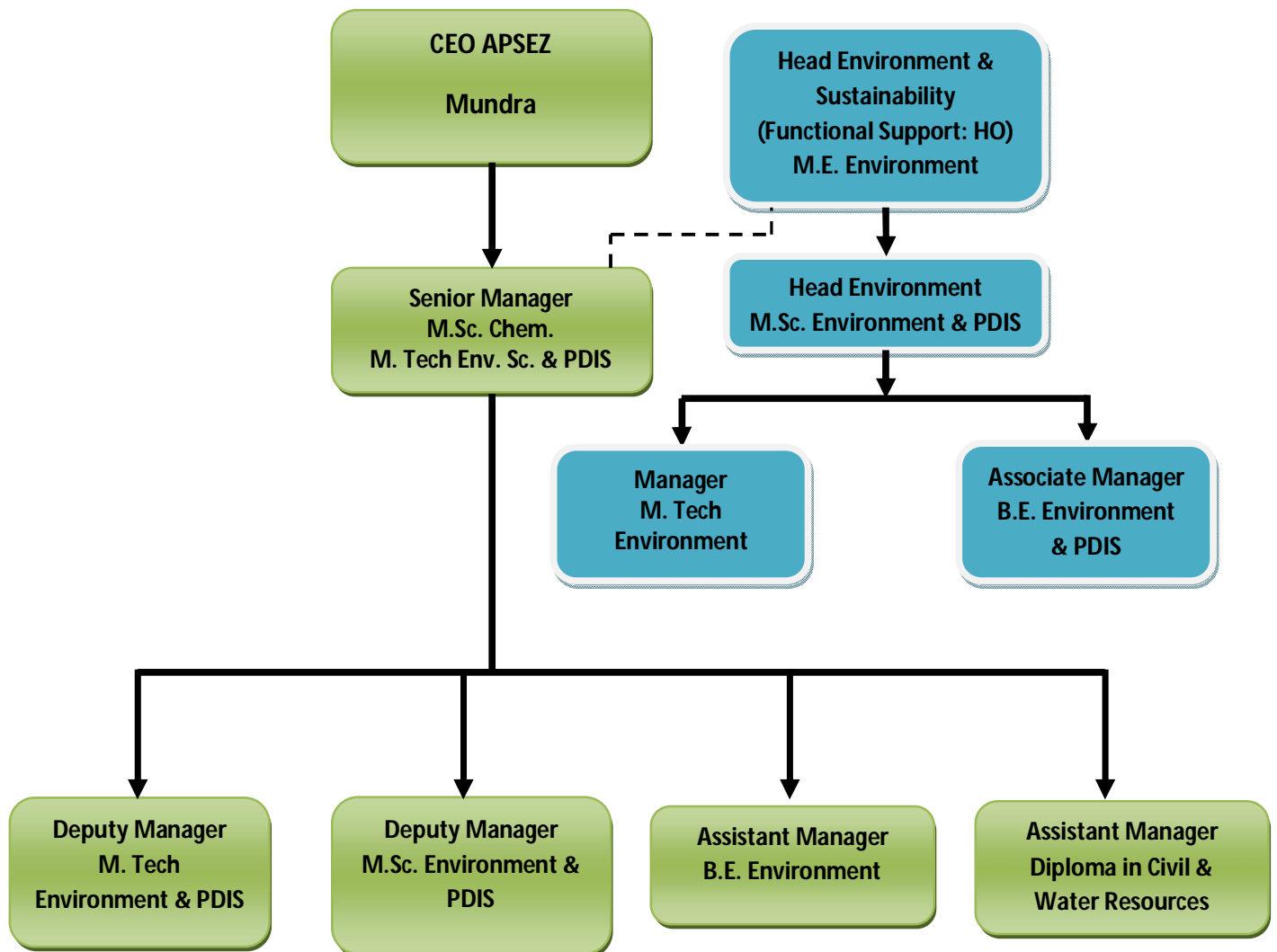
Annexure – 5

Details of Greenbelt Development at APSEZ, Mundra

Total Green Zone Detail Till Up to Sep – 2021					
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	71.66	34920	7962	69696.00	100646.00
PORT & NON SEZ	81.61	149359	19220	75061.78	62966.38
SEZ	116.60	227120	20489	220583.60	28162.03
MITAP	2.52	8168	33	3340.00	4036.00
WEST PORT	109.37	256552	70831	24612.00	22854.15
AGRI PARK	8.94	17244	1332	5400.00	2121.44
SOUTH PORT	14.45	27530	3470	3882.00	3327.26
Samudra Township	57.27	63722	11834	23908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976	--	--	--
TOTAL (APSEZL)	486.19	8,12,591	1,35,171	426484.27	271633.33
		<i>Total Saplings: 9,47,762 Nos.</i>			

Annexure – 6

Organogram of Environment Management Cell, APSEZ, Mundra



Annexure – 7

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2019 – 20	2020 – 21	2021 – 22 (Till Sep'21)	2021 – 22
1.	Environmental Study / Audit and Consultancy	0.33	6.2	6.82	7.0
2.	Legal & Statutory Expenses	0.84	10.58	10.04	12.0
3.	Environmental Monitoring Services	21.74	19.17	9.56	20.0
4.	Hazardous / Non-Hazardous Waste Management & Disposal	108.43	83.55	57.64	114.10
5.	Environment Days Celebration and Advertisement / Business development	1.5	5.3	1.81	7.0
6.	Treatment and Disposal of Bio-Medical Waste	1.62	2.09	0.89	2.04
7.	Mangrove Plantation, Monitoring & Conservation	Nil	32.59	Nil	Nil
8.	Other Horticulture Expenses	734.18	689	605.58	865.11
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	110.18	148.49	95.53	219.24
10.	Expenditure of Environment Dept. (Apart from above head)	105.13	89.11	88.28	85.35
Total		1083.95	1086.08	876.15	1331.84