

Half Yearly EC Compliance Report Submission - AMSIPL, Mundra 2010 (Apr'20 to Sep'20)

Chiragsing Rajput <Chiragsing.Rajput@adani.com>

Wed 11/25/2020 12:31 PM

To: rowz.bpl-mef@nic.in <rowz.bpl-mef@nic.in>; eccompliance-guj@gov.in <eccompliance-guj@gov.in>
Cc: brnaidu.cpcb@nic.in <brnaidu.cpcb@nic.in>; westzonecpcb@yahoo.com <westzonecpcb@yahoo.com>; ro-gpcb-kute@gujarat.gov.in <ro-gpcb-kute@gujarat.gov.in>; ms-gpcb@gujarat.gov.in <ms-gpcb@gujarat.gov.in>; Shalin Shah <Shalinm.Shah@adani.com>; Azharuddin Kazi <Azharuddin.Kazi@adani.com>; Bhagwat Sharma <Bhagwat.Sharma1@adani.com>; Mahendra Kumar Ghritlahre <Mahendra.Ghritlahare@adani.com>; Ashvin Kumar Patni <AshvinKumar.Patni@adani.com>; Dhanesh Tank <Dhanesh.Tank@adani.com>; Devendra Banthia <Devendra.Banthia@adani.com>; Kaushal Singh <Kaushal.Singh@adani.com>; muruganrmudaliyar <muruganr.mudaliyar@adani.in>; Dilip Kumar Moolchandani <Dilip.Moolchandani@adani.com>; Hareesh Bhatt <Hareesh.Bhatt@adani.com>; seiaaguj@yahoo.com <seiaaguj@yahoo.com>; info@mnpcconservationsociety.com <info@mnpcconservationsociety.com>

1 attachments (13 MB)

6. EC Compliance Report_AMSIPL-2010_Apr'20 to Sep'20.pdf;

एकीकृत क्षेत्रीय कार्यालय
Integrated Regional Office
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
Ministry of Environment, Forest & Climate Change,
भारत सरकार / Govt. of India, Bhopal.
26/11/20



Ports and
Logistics

APSEZL/EnvCell/2020-21/096

Date: 25.11.2020

To

Deputy Director General of Forest (Central),

Ministry of Environment, Forest and Climate Change,

Regional Office (WZ), E-5, Kendriya

Paryavaran Bhawan, Arera Colony,

Link Road No. - 3, Bhopal - 462 016.

E-mail: rowz.bpl-mef@nic.in, eccomplinace-guj@gov.in

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-2020 to September-2020 is being submitted through soft copy (e-mail communication).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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

Douglas Charles Smith
Chief Executive Officer
Mundra & Tuna Port

Encl: As above

Copy to:

- 1) Zonal Officer, Regional Office, CPCB - Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390 023
- 2) Member Secretary, GPCB - Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar - 382 010
- 3) Member Secretary, SEIAA, Gujarat, Paryavaran Bhavan, GPCB, Sector 10 A, Gandhi Nagar - 382 010
- 4) Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham, 370201

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

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

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

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-2020 to September-2020

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Index

Sr. No.	Particulars	Page Nos.
1	EC Compliance Report	01
2	Annexures	
	Annexure – 1 Summary of Water Consumption and STP Inlet & Outlet	22
	Annexure – 2 GPCB Consent to Operate (CC&A)	23
	Annexure – 3 Six Monthly Environment Monitoring Report	25
	Annexure – 4 Intimation regarding stoppage and restarting of environmental monitoring activities	35
	Annexure – 5 GPCB Treated Water Analysis Report	40
	Annexure – 6 CSR Activity Report	41
	Annexure – 7 Copy of BMW disposal logbook record	120
	Annexure – 8 Green Belt Development details	121
	Annexure – 9 Environment Protection Expenditure	122

Compliance Report of Environment Clearance

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
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 30-09-2020
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'20 to Sep'20.</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'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
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'20 to Sep'20.</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.	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
9.	Adequate drinking water, 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.	Complied during the construction phase. Not applicable at present. The details of the compliances with respect to construction phase are submitted in Oct'16 to March'17 compliance report. Construction work for the project is partially completed. However, no construction activity carried out during the compliance period of Apr'20 to Sep'20. All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.
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	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	of the competent authority after taking the necessary precautions for general safety and health aspects.	
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'20 to Sep'20.</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	

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	and the water required during construction phase shall be sourced from Gujarat Water Infrastructure Ltd.	Complied during the construction phase. Not applicable at present.
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>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'20 to Sep'20.</p> <p>All the specific conditions provided for construction phase will be considered upon recommencement of construction activity in future.</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.	
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	Complied.

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	<p>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 ground water shall be extracted.</p>	<p>No ground water is being extracted.</p> <p>Fresh water requirement for Samudra township and Adani Hospital is approximately 1.3 MLD during compliance period which is sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply and APSEZ desalination plant. No ground water is being extracted.</p> <p>Record maintained for quantity of water usage during the period Apr'20 to Sep'20 is attached as Annexure – 1.</p>
29.	<p>The total sewage generation from the proposed social infrastructure project shall not exceed 7.2 MLD.</p>	<p>Complied.</p> <p>Average quantity of sewage generation was 763 KLD from Samudra township and Adani Hospital. Average quantity of treated sewage discharge was 848 KLD during compliance period. Generated sewage is being treated in STP to utilize for horticultural purpose.</p> <p>Details of sewage generated and treated water discharge during the period Apr'20 to Sep'20 is attached as Annexure – 1.</p>
30.	<p>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>	<p>Complied.</p> <p>STP having capacity of 2.5 MLD is constructed and operated in township area. Treated sewage is 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 Township through underground pipeline for treatment and disposal. Consent to Operate for the same has been granted from Gujarat Pollution Control Board. Copy of CC&A-Amendment is attached as Annexure – 2.</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</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 30-09-2020																									
		<p>Apr'20 to Sep'20 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>7.33</td><td>7.87</td><td>6.5 – 9.0</td></tr><tr><td>TSS</td><td>mg/L</td><td>9</td><td>22</td><td>100</td></tr><tr><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>6</td><td>18</td><td>30</td></tr><tr><td>Fecal Coliform</td><td>MPN/100ml</td><td>150</td><td>570</td><td>< 1000</td></tr></table> <p>^{\$} as per CC&A granted by GPCB</p> <p>Please refer Annexure – 3 for detailed analysis reports. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the FY 2020-21 (Till Sep'20).</p> <p>The environmental monitoring within Adani Ports & SEZ Limited has been stopped from 23rd March, 2020 to 12th May, 2020 considering COVID-19 Pandemic lockdown and the same has already been intimated to the regulatory authorities vide our e-mail dated 06.04.2020 & 13.05.2020. The details of the same is attached as Annexure – 4.</p> <p>GPCB is also doing sampling and analysis of treated water during their routine visit and its latest report is attached as Annexure – 5.</p>	Parameters	Unit	Min	Max	Perm. Limit ^{\$}	pH	--	7.33	7.87	6.5 – 9.0	TSS	mg/L	9	22	100	BOD (3 Days @ 27 °C)	mg/L	6	18	30	Fecal Coliform	MPN/100ml	150	570	< 1000
Parameters	Unit	Min	Max	Perm. Limit ^{\$}																							
pH	--	7.33	7.87	6.5 – 9.0																							
TSS	mg/L	9	22	100																							
BOD (3 Days @ 27 °C)	mg/L	6	18	30																							
Fecal Coliform	MPN/100ml	150	570	< 1000																							
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></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													
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																						

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020					
		2	Adani Hospital to Existing Mundra Village – Samudra Township Collection tank pipeline	For treatment of 20 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
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'20 to Sep'20 avg. 848 KLD of treated water was used for gardening / plantation purpose within township area / APSEZ area.</p>					
33.	In no case, the wastewater / treated sewage shall be discharged into the river Bhukhi passing through the social infrastructure project.	<p>Complied</p> <p>During Apr'20 to Sep'20 avg. 848 KLD of treated water from STPs was used for gardening / plantation purpose within township 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.</p>					
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	<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</p>					

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	matter.	<p>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. Following measures are taken for the same during the year 2011 – 13 and the same have benefited to the local farmers.</p> <ol style="list-style-type: none"> 1. Pond deepening activities at villages 2. 18 check dams were constructed under the 'Sardar Patel Sahbhagi Jalsanchay Yojna' <p>Total cost of these efforts was approx. INR 320 lakh.</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 Government Figures.</p> <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) • 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 54 Nos. which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family. • Recharge Bore well 75 Nos which is best ever option to conserve ground water • Drip Irrigation 823 Farmers benefitted in coordination with Gujrat Green Revolution Company • Participatory Ground Water Management in ten villages with holistic approach for Kankavati Sandstone Aquifer Programme • As per Average Calculation more than 450 hac. area benefitted with increased in 109 MCFT water Quantity.

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
		<p>With the objective of to preserve the rain water 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>Under UTHHAN MODEL VILLAGE PROJECT, Salinity ingress issue is well taken with pond deepening, recharge bore well technique and roof top rain water harvesting. Total ground water recharged due to this project 1878 ML.</p> <p>Please refer Annexure – 6 for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR Activity for the FY 2020-21 is to the tune of INR 1429.3 lakh. Out of which, Approx. INR 416.7 lakh are spent during the year FY 2020-21 (Till Sep'20).</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 be used as manure in gardening / plantation.	<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 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. Sanghi Industries Ltd., Kutch and/or M/s. Ambuja Cement Ltd., Kodinar) for Co-processing as RDF (Refused Derived Fuel).</p> <p>AMSIPL has installed Organic Waste Converter within premises for converting food 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 458.565 Mt of organic waste + food waste was handled and processes for converting in to reach manure and bio gas during the compliance period i.e.</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
		Apr'20 to Sep'20 and utilized within APSEZ area. Dry waste collection drive including plastic free drive and waste segregation drive is being organised on regularly basis.
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 1603 kg of bio medical waste was disposed to Common Bio Medical Waste Treatment facility during the compliance period by M/s Distormed Kutch Services Pvt. Ltd., Bhuj at the frequency of once in two days. Log book showing the record of Bio-medical Waste collection is attached as Annexure – 7.</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'20 to Sep'20.</p> <p>If any hazardous waste generation in future, it will be dispose through authorised agency only as per Hazardous Waste Rules – 2016.</p>
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	<p>Complied.</p> <p>Adequate parking area has been provided as per National Building Code. Trained security guards are</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	and helping the senior citizens and physically challenged people	available round the clock to guide/help for entry, exit and parking to senior citizens and physically challenged people.
42.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.	Complied. Separate entry and exits have been provided at main gate with architectural divider for proper traffic management. Appropriate arrangements are made for emergency situations.
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.	Complied. Common utilities like drinking water facility, toilets etc. are provided at Adani Hospital and commercial building with adequate distance between drinking water & toilet facilities.
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 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.	Complied. AMSIPL has developed 56.03 ha area as green belt with plantation of 65756 saplings in AMSIPL premises. The open spaces inside the social infrastructure project are suitably landscaped and covered with green lawn and other vegetation. So, far APSEZ has developed 469 ha. area as greenbelt with plantation more than 8.8 Lacs saplings within the APSEZ area. Details of the green belt development activity done by APSEZL, Mundra are attached as Annexure – 8 .
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.	Complied. 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. The spent budget of Horticulture Department for the period of financial year 2020-21 (Till Sep'20) is INR 490 lacs. Details upon green belt development are provided in condition no. 44 above.
46.	The project proponent shall explore the application of solar	Complied.

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020															
	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>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 1308 MWH of solar power generated and supplied to the grid energy during compliance period i.e. Apr'20 to Sep'20.</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'20 to Sep'20 is mentioned below.</p> <p>Total Sampling Locations & Frequency: 2 Nos. (Monthly)</p> <table><tr><th>Noise</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit^{\$}</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>57.2</td><td>72.1</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>51.4</td><td>69.8</td><td>70</td></tr></table> <p>^{\$} as per NAAQ standards, 2009</p> <p>Please refer Annexure – 3 for detailed analysis reports. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the period Apr'20 to Sep'20.</p>	Noise	Unit	Min	Max	Perm. Limit ^{\$}	Day Time	dB(A)	57.2	72.1	75	Night Time	dB(A)	51.4	69.8	70
Noise	Unit	Min	Max	Perm. Limit ^{\$}													
Day Time	dB(A)	57.2	72.1	75													
Night Time	dB(A)	51.4	69.8	70													
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>															

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 30-09-2020																					
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.
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.																					
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 prepared and its	<p>Complied.</p> <p>Emergency Response Plan was prepared by Trivedi & Associates Technical Services Pvt. Ltd in August,</p>																					

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020														
	recommendations shall be implemented in the time bound manner.	<p>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 Private 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
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															
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</p>														

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	towards exits and assembly points during the unforeseen emergency and eventuality conditions.	<p>to provide guidance to the people towards exits. Also 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 mock drill is also conducted at project site. The report of the same was submitted as a part of compliance report for the duration of Apr'17 to Sep'17. Awareness session was carried out for home fire safety awareness at Samudra Township & pasting of LPG fire safety stickers. Total 734 families of Samudra Township were educated regarding LPG fire safety and LPG fire safety stickers pasted in their homes. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.</p> <p>APSEZ fire services conducted doorstep vehicle fire safety inspection and awareness programme in residential townships and checked almost 400 LMVS according to exhaustive checklist stressing on fire prone conditions of vehicle. Also pasted/provided a sticker to the LMV owner so that he/she can have a look and recollect our Fire safety awareness points. Details for the same were submitted along with half yearly EC Compliance report for the period Apr'19 to Sep'19.</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</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020																																								
		ACs is ozone friendly in nature.																																								
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 General Manager (Environment) at Corporate, who heads the Environment Management Cell who directly reports to the top management. The details of the same were submitted along with last half yearly compliance report for the period Oct'19 to Mar'20. And there is no further change.</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'20 to Sep'20 is mentioned below.</p> <p>Total Sampling Locations & Frequency: 2 Nos.</p> <table><tr><th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit^{\$}</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>80.39</td><td>45.36</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>47.66</td><td>16.7</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>27.4</td><td>6.27</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>38.57</td><td>13.47</td><td>80</td></tr><tr><th>Noise</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>72.1</td><td>57.2</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>69.8</td><td>51.4</td><td>70</td></tr></table> <p style="text-align: right;">\$ as per NAAQ standards, 2009</p> <p>Please refer Annexure – 3 for detailed analysis reports. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the period FY 2020-21 (Till Sep'20).</p>	Parameter	Unit	Max	Min	Perm. Limit ^{\$}	PM ₁₀	µg/m ³	80.39	45.36	100	PM _{2.5}	µg/m ³	47.66	16.7	60	SO ₂	µg/m ³	27.4	6.27	80	NO ₂	µg/m ³	38.57	13.47	80	Noise	Unit	Max	Min	Perm. Limit	Day Time	dB(A)	72.1	57.2	75	Night Time	dB(A)	69.8	51.4	70
Parameter	Unit	Max	Min	Perm. Limit ^{\$}																																						
PM ₁₀	µg/m ³	80.39	45.36	100																																						
PM _{2.5}	µg/m ³	47.66	16.7	60																																						
SO ₂	µg/m ³	27.4	6.27	80																																						
NO ₂	µg/m ³	38.57	13.47	80																																						
Noise	Unit	Max	Min	Perm. Limit																																						
Day Time	dB(A)	72.1	57.2	75																																						
Night Time	dB(A)	69.8	51.4	70																																						

B. General Conditions

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
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.	<p>Complied.</p> <p>Outside people are allowed to use the social infrastructures like hospital and school.</p> <p>Total 3992 patients including OPD (Out Patient Department) as well IPD (In-Patient Department) from nearby villages were treated in the Hospital during this compliance period. Approx. INR 23 Lakh worth of free medical services given to nearby villagers during the compliance period Apr'20 to Sep'20.</p>
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 time to time shall be strictly complied with.	Point noted.
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 2020-21 is to the tune of INR 1401 lakh. Out of which, Approx. INR 679</p>

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
		lakh are spent during this compliance period. Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 9 .
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 language and the other in English. A copy each of the same shall be forwarded to the concerned regional office of the Ministry.	<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'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020																					
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'19 to Mar'20 was submitted to Regional Office of MoEF&CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and SEIAA, Gandhinagar vide our letter dated 19.05.2020. 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 19.05.2020 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'17 to Sep'17</td><td>01.12.2017</td></tr> <tr> <td>2</td><td>Oct'17 to Mar'18</td><td>29.05.2018</td></tr> <tr> <td>3</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>4</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>5</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>6</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> </tbody> </table>	Sr. no.	Compliance period	Date of submission	1	Apr'17 to Sep'17	01.12.2017	2	Oct'17 to Mar'18	29.05.2018	3	Apr'18 to Sep'18	30.11.2018	4	Oct'18 to Mar'19	31.05.2019	5	Apr'19 to Sep'19	28.11.2019	6	Oct'19 to Mar'20	20.05.2020
Sr. no.	Compliance period	Date of submission																					
1	Apr'17 to Sep'17	01.12.2017																					
2	Oct'17 to Mar'18	29.05.2018																					
3	Apr'18 to Sep'18	30.11.2018																					
4	Oct'18 to Mar'19	31.05.2019																					
5	Apr'19 to Sep'19	28.11.2019																					
6	Oct'19 to Mar'20	20.05.2020																					
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 not found satisfactory.	Point noted.																					
68.	The company in a time bound manner shall implement these conditions. The SEIAA reserves	<p>Complied.</p> <p>The company has implemented the provided conditions and the compliance report is being</p>																					

	Adani Mundra SEZ Infrastructure Pvt. Ltd., Mundra.	From : Apr'20 To : Sep'20
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	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.	submitted regularly. Please refer Condition No. 64 for further details.
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

<u>ANNEXURE – 1</u>			
Water Consumption and Wastewater Generation Details for AMSIPL (Apr'20 to Sep'20)			
Month	Water Consumption, KL	STP Water Inlet, KL	STP Water Outlet, KL
Apr'20	34850	24050	25648
May'20	42977	30392	26759
June'20	43883	11004	34389
July'20	39480	26676	24001
Aug'20	43053	23458	23009
Sep'20	32325	24072	21367
Total	236568	139652	155173
Avg. Per Day	1293	763	848

- Note:**
1. Treated sewage water is completely reused for gardening purpose
 2. As for the good faith and life of MBR we use to flush the one MBR with treated water from the other i.e. approx. 4 times a month. That water is again treated through MBR, because of that the outlet reading is higher than the inlet.

Annexure – 2



GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

CCA-Amendment (W- 108906)

No. PC/CCA-KUTCH- 805(3)/ GPCB ID-10602/
To,

Date:

M/s. Adani Mundra SEZ Infrastructure Pvt. Ltd.,
Plot/Phase No. 141(Part),
Village: Mundra,
Tal: Mundra,
Dist: Kutch – 370 421

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

- REF:** 1) CCA issued by this office vide order no- **AWH- 89533** dated 05/12/2017 valid up to 02/09/2022.
2) CTE Amendment issued by this office vide order no- **CTE-102275** dated 27/09/2019 valid up to 14/06/2024.
3) Your CCA Amendment Application Inward ID No. **173964** dated **24/03/2020**.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous And Other Waste (Management and Transboundary) Rules, 2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA vide order No. AWH- 89533 issued vide this office order no. **PC/CCA-KUTCH-805(2)/ GPCB ID- 10602/ 429734** dated 05/12/2017, valid up to 02/09/2022.

The Board has right to review and amend the conditions of the said CCA orders. Now, considering your application for CCA amendment inward ID No. **173964** dated **24/03/2020**; the said CCA order is amended as below:

1. The order shall be read as CCA amendment Order No.: **AWH- 89533** Date of Issue: **05/12/2017, valid up to 02/09/2022**.
2. Conditionno.2 of the said CCA is amended as below;
 - a) This CCA amendment is granted for reception, treatment & disposal of effluent 1 MLD sewage through underground pipeline from Mundra to STP of Samudra Township STP (cap: 2.5 MLD) for treatment and ultimate disposal.
 - b) Reception of effluent (25 KLD) from Adani multispecialty hospital, after primary treatment, to STP Samudra Township for treatment and conveyance of treated sewage (150 KLD) to Adani multispecialty Hospital for reutilization in horticulture within their premises purpose.

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

1. Industry shall not carry out any activities which attract provision of EIA notification 2006 and amendments made therein.
2. At any point of time quantity of sewage received at STP of Samudra Township shall not exceed consented quantity 2.5 MLD.

Clean Gujarat Green Gujarat

3. Applicant shall receive effluent from samundra town & Adani multispecialty hospital through dedicated pipeline & maintain complete records of quantity of effluent received from both source at day to day basis.
4. Out of total sewage generated at Mundra town, 1 MLD of domestic sewage water shall be treated to samudra STP and remaining 1.5 MLD to CETP (FCB ID- 10605).
5. Industry shall have to install flow meter at the inlet and outlet of the Sewage Treatment Plant and maintain the record for the same.
6. Industry shall maintain complete record about quantity of sewage received at STP along with nos. of tanker on day to day basis.
7. Industry shall manage solid wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
8. Industry shall obtain NOC from CGWA as per Hon. National Green Tribunal for the withdrawal of ground water, if applicable.

4. CONDITIONNO. 4 OF THE SAID CCA IS AMENDED AS BELOW:

- 4.1 The total quantity of sewage received at STP shall not exceed 2.5 MLD.
- 4.2 The total quantity of sewage received from Mundra town shall not exceed 1 MLD.
- 4.3 The quantity of effluent received from Adani multispecialty hospital shall not exceed 25 KLD.
- 4.4 Applicant shall receive primary treated effluent from Adani multispecialty hospital as per the Bio-Medical Waste Management Rules, 2016.
- 4.5 Industry shall provide fixed pipeline with the flow meter for reception of sewage from Mundra town and Adani multispecialty hospital. Also maintain complete records of effluent conveyed by each individual.
- 4.6 Applicant shall maintain complete record of operation of STP.
- 4.7 Industry shall operate STP adequately to comply following norms.

PARAMETERS	PERMISSIBLE LIMIT
pH	6.5 to 9.0
BOD (5 days at 27 C)	30 mg/L
Suspended Solids	100 mg/L
Fecal Coliform	<1000 MPN/100 ml

- 4.8 Treated sewage confirming to above norms shall be discharged on land within premises for gardening and plantation.
- 4.9 Industry shall provide fixed pipelines with flow meter for the reuse of treated sewage and maintain its record.
- 4.10 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
5. **All other terms and conditions mentioned in the CCA order no. AWH-89533 issued vide order no. PC/CCA-KUTCH-805(2)/GPCB ID 10602/429734, dated 05/12/2017 shall remain unchanged & industry shall comply within the same judicially.**

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(Smt. U.K. Upadhyay)
Environment Engineer

Outward No: 571/2017/1988

Annexure – 3

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR



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

**MONITORING PERIOD:
APRIL 2020 TO SEPTEMBER 2020**

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,
NAVJIVAN CIRCLE, UDHANA MAGDALLA ROAD, SURAT-395007.**

PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.

E-mail: pollucon@gmail.com

Web: www.polluconlab.com

TC - 5945

ISO 9001:2015

ISO 14001:2015

OHSAS 18001:2007

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

RESULTS OF STP WATER OUTLET

SR. NO	TEST PARAMETERS	Unit	AMSIPL SAMUNDRA TOWNSHIP STP OUTLET					
			May-20		June-20		GPCB permissible Limit	TEST METHOD
			--	20/05/2020	04/06/2020	16/06/2020		
1	pH	--	--	7.87	7.61	7.52	6.5 to 9.0	IS3025(P11)83Re.02
2	Total Suspended Solids	mg/L	--	22	17	14	100	IS3025(P17)84Re.02
3	BOD (3 days @ 270 C)	mg/L	--	14	18	11	30	IS 3025 (P44)1993Re.03Edition2.1
4	Residual Chlorine	mg/L	--	0.6	0.6	0.6	--	APHA(22ndEdi)4500 Cl
5	Fecal Coliform	MPN/100 ml	--	150	430	350	1000	APHA (22ndEdi) 9221 C&E

SR. NO	TEST PARAMETERS	Unit	AMSIPL SAMUNDRA TOWNSHIP STP OUTLET							
			July-20		August-20		September-20		GPCB Permissible Limit	TEST METHOD
			06/07/2020	16/07/2020	04/08/2020	29/08/2020	05/09/2020	18/09/2020		
1	pH	--	7.49	7.33	7.56	7.40	7.33	7.49	6.5 to 9.0	IS3025(P11)83Re.02
2	Total Suspended Solids	mg/L	15	9	12	18	15	10	100	IS3025(P17)84Re.02
3	BOD (3 days @ 270 C)	mg/L	16	9	6	10	9	12	30	IS 3025 (P44)1993Re.03Edition2.1
4	Residual Chlorine	mg/L	0.8	0.6	0.8	0.8	0.6	0.6	--	APHA(22ndEdi)4500 Cl
5	Fecal Coliform	MPN/100 ml	540	430	570	460	540	450	1000	APHA (22ndEdi) 9221 C&E

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

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

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	12/05/2020	70.56	33.62	13.62	25.62
2	14/05/2020	61.29	25.64	20.37	28.36
3	18/05/2020	73.44	34.34	10.65	26.45
4	20/05/2020	67.59	30.42	8.45	30.27
5	25/05/2020	55.60	21.56	11.36	21.60
6	27/05/2020	72.66	27.59	17.28	20.58
7	03/06/2020	80.39	47.66	11.41	17.65
8	06/06/2020	63.70	24.51	8.68	32.32
9	10/06/2020	74.19	35.42	13.64	24.69
10	13/06/2020	66.53	31.51	15.39	29.34
11	17/06/2020	73.59	27.34	12.59	23.46
12	20/06/2020	69.41	34.55	18.24	30.49
13	24/06/2020	57.41	25.47	9.65	18.54
14	27/06/2020	65.79	28.14	14.48	26.31
15	01/07/2020	56.31	23.64	7.79	29.34
16	04/07/2020	62.35	34.38	17.54	34.22
17	08/07/2020	57.67	30.47	9.63	15.62
18	11/07/2020	65.66	41.29	16.27	33.48
19	15/07/2020	77.21	32.42	11.33	22.37
20	18/07/2020	64.20	35.34	14.29	25.64
21	22/07/2020	73.67	42.37	10.26	21.68
22	25/07/2020	58.26	27.64	12.40	17.42
23	29/07/2020	70.36	31.26	15.35	23.21
24	01/08/2020	64.55	29.34	11.20	20.40
25	05/08/2020	73.65	41.25	18.22	36.30
26	08/08/2020	68.20	26.35	8.66	32.35
27	19/08/2020	76.37	42.66	10.24	23.46
28	22/08/2020	69.35	39.37	16.33	28.49
29	26/08/2020	52.75	23.52	13.42	16.35
30	29/08/2020	58.35	28.68	9.53	19.35

Continue..

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

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	02/09/2020	70.33	37.54	19.54	35.32
32	05/09/2020	68.66	35.42	21.52	38.57
33	09/09/2020	59.41	28.55	12.47	23.62
34	12/09/2020	74.62	40.25	15.67	25.65
35	16/09/2020	67.54	38.25	17.56	32.57
36	19/09/2020	58.32	22.43	11.50	36.33
37	23/09/2020	65.47	25.35	13.17	18.32
38	26/09/2020	55.38	20.56	14.23	28.30
39	30/09/2020	62.58	23.43	18.27	24.21
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)**

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

RESULTS OF AMBIENT AIR QUALITY MONITORING

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
1	12/05/2020	68.22	29.34	9.48	17.55
2	14/05/2020	54.21	22.32	21.52	32.65
3	18/05/2020	66.27	27.33	18.60	28.26
4	20/05/2020	50.51	28.54	10.25	22.39
5	25/05/2020	62.63	19.28	7.53	15.26
6	27/05/2020	57.63	21.53	9.46	24.27
7	03/06/2020	59.69	36.34	15.69	28.35
8	06/06/2020	68.24	28.67	12.33	25.38
9	10/06/2020	80.27	38.26	7.67	15.63
10	13/06/2020	55.39	22.45	13.87	24.33
11	17/06/2020	64.37	25.37	8.73	19.36
12	20/06/2020	70.23	45.31	16.26	26.23
13	24/06/2020	62.75	37.51	11.50	23.44
14	27/06/2020	72.29	31.25	9.25	20.58
15	01/07/2020	61.25	25.33	11.37	23.42
16	04/07/2020	56.24	30.46	13.43	26.32
17	08/07/2020	49.23	23.24	15.33	24.24
18	11/07/2020	60.27	34.21	18.37	30.25
19	15/07/2020	71.27	38.22	6.35	15.62
20	18/07/2020	58.52	28.33	12.30	22.35
21	22/07/2020	63.32	39.39	7.61	17.24
22	25/07/2020	73.42	35.22	10.20	19.51
23	29/07/2020	54.28	24.37	8.61	16.53
24	01/08/2020	57.56	24.61	6.50	15.34
25	05/08/2020	66.51	38.39	20.31	32.58
26	08/08/2020	58.67	28.33	12.64	25.23
27	19/08/2020	71.27	35.38	7.51	19.59
28	22/08/2020	63.25	31.50	13.22	24.11
29	26/08/2020	47.52	19.82	10.35	26.45
30	29/08/2020	52.36	18.61	8.37	16.20

Continue..

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

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	02/09/2020	65.66	31.28	12.24	32.56
32	05/09/2020	59.36	27.56	18.69	29.44
33	09/09/2020	63.46	21.26	7.55	20.36
34	12/09/2020	70.33	33.41	13.63	21.62
35	16/09/2020	62.41	28.48	15.20	26.37
36	19/09/2020	53.68	24.35	6.43	30.16
37	23/09/2020	60.37	30.27	9.42	15.62
38	26/09/2020	49.36	18.54	11.28	22.62
39	30/09/2020	54.26	20.38	14.54	19.55
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)**

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

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

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP STP				
		Result [Leq dB(A)]				
	Sampling Date & Time	29/05/2020	17/06/2020	08/07/2020	22/08/2020	11/09/2020
1	6:00-7:00	60.2	60.4	60.8	62.4	58.4
2	7:00-8:00	64.2	58.4	65.1	62.1	62.8
3	8:00-9:00	65.7	62.8	63.4	68.5	64.1
4	9:00-10:00	68.4	69.4	68.4	63.4	61.3
5	10:00-11:00	66.2	65.4	62.1	69.4	65.2
6	11:00-12:00	62.1	62.8	61.3	65.5	68.4
7	12:00-13:00	61.7	66.7	62.2	62.8	65.1
8	13:00-14:00	69.3	63.4	60.7	63.1	68.7
9	14:00-15:00	65.4	61.4	68.3	61.8	62.8
10	15:00-16:00	63.8	64.8	67.7	65.5	66.2
11	16:00-17:00	69.3	65.7	62.1	69.8	61.4
12	17:00-18:00	64.4	62.4	65.5	70.5	68.7
13	18:00-19:00	62.1	65.2	69.9	65.2	66.1
14	19:00-20:00	66.8	68.7	63.5	69.4	60.7
15	20:00-21:00	68.5	62.4	62.4	63.4	64.1
16	21:00-22:00	65.8	65.7	66.1	64.1	61.5
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)]				
	Sampling Date & Time	29/05/2020	17/06/2020	08/07/2020	22/08/2020	11/09/2020
1	22:00-23:00	58.4	63.7	63.1	65.5	62.1
2	23:00-00:00	60.4	65.1	64.7	62.7	64.3
3	00:00-01:00	60.2	61.4	67.1	63.1	67.7
4	01:00-02:00	63.4	62.8	62.8	60.1	66.1
5	02:00-03:00	61.4	63.4	60.2	62.4	63.1
6	03:00-04:00	63.2	65.5	64.5	62.8	65.1
7	04:00-05:00	61.7	62.1	62.7	63.7	69.8
8	05:00-06:00	60.3	64.8	61.8	61.5	62.4
Night Time Limit*		70 Leq dB(A)				

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

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

Result of Noise level monitoring [Day Time]

SR. NO.	Name of Location	SAMUNDRA TOWNSHIP CUSTOMER CARE				
		Result [Leq dB(A)]				
	Sampling Date & Time	26/05/2020	10/06/2020	15/07/2020	08/08/2020	09/09/2020
1	6:00-7:00	57.2	58.4	57.4	65.7	60.4
2	7:00-8:00	60.2	60.4	60.1	62.8	59.4
3	8:00-9:00	64.1	63.7	63.1	60.4	65.1
4	9:00-10:00	67.4	68.4	62.5	68.7	68.4
5	10:00-11:00	65.5	65.1	65.3	65.5	66.3
6	11:00-12:00	62.3	63.7	64.8	68.4	68.4
7	12:00-13:00	68.9	68.1	65.1	62.3	67.1
8	13:00-14:00	69.4	64.8	62.7	66.1	72.1
9	14:00-15:00	66.9	66.8	61.5	68.7	68.4
10	15:00-16:00	64.4	62.8	68.4	62.7	65.2
11	16:00-17:00	62.2	64.8	62.8	60.4	62.8
12	17:00-18:00	60.2	62.2	63.1	62.8	68.4
13	18:00-19:00	64.5	68.4	60.8	65.2	61.3
14	19:00-20:00	68.3	62.7	65.8	63.7	63.2
15	20:00-21:00	64.2	60.1	68.8	64.8	62.6
16	21:00-22:00	61.6	63.4	65.5	62.4	66.8
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	26/05/2020	10/06/2020	15/07/2020	08/08/2020	09/09/2020
1	22:00-23:00	60.1	62.4	65.8	65.5	65.6
2	23:00-00:00	57.1	66.7	62.7	62.1	63.4
3	00:00-01:00	55.1	65.1	58.4	59.4	60.7
4	01:00-02:00	51.4	62.7	55.1	55.1	58.4
5	02:00-03:00	55.7	58.1	60.7	62.7	53.4
6	03:00-04:00	62.7	57.1	61.8	60.7	59.4
7	04:00-05:00	60.7	60.4	59.9	58.4	62.4
8	05:00-06:00	59.1	59.9	60.2	59.9	55.7
Night Time Limit*		70 Leq dB(A)				

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

RESULTS OF D.G. STACK MONITORING

19/07/2020

SR. NO.	TEST PARAMETERS	Unit	Adani Hospital	GPCB Limit	Test Method
			D.G. Set (500 KVA)		
1	Particulate Matter	mg/Nm ³	26.75	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	5.63	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	39.76	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)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

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)**

Annexure – 4

Chiragsing Rajput

From: Chiragsing Rajput
Sent: Wednesday, May 13, 2020 4:34 PM
To: 'ro-gpcb-kute@gujarat.gov.in'; rowz.bpl-mef@nic.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; ms-gpcb@gujarat.gov.in
Cc: Shalin Shah; Azharuddin Kazi; Vivek Gundraniya; Kripa Shah; Mahendra Kumar Ghritlahre (Mahendra.Ghritlahare@adani.com); Ashvin Kumar Patni; Dhanesh Tank
Subject: Intimation Letter_Restart of Environment Monitoring Activities_APSEZ, Mundra
Attachments: Letter_Restart Environmental Monitoring_12.05.2020.pdf

Dear Sir,

In reference to trailing mail, please find attached intimation letter regarding of restarting of environmental monitoring activities within Adani Ports and SEZ Limited, Mundra (Kutch) from 12th May, 2020 after getting requisite permission from Port authority / district administration.

Kindly consider above submission and oblige.

Thanks & Regards
Chiragsing Rajput

From: Chiragsing Rajput
Sent: Monday, April 6, 2020 6:14 PM
To: 'ro-gpcb-kute@gujarat.gov.in' <ro-gpcb-kute@gujarat.gov.in>; rowz.bpl-mef@nic.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; 'ms-gpcb@gujarat.gov.in' <ms-gpcb@gujarat.gov.in>
Cc: Shalin Shah <Shalinm.Shah@adani.com>; Azharuddin Kazi <Azharuddin.Kazi@adani.com>; Vivek Gundraniya <vivek.gundraniya@adani.com>; Kripa Shah <Kripa.Shah@adani.com>; Mahendra Kumar Ghritlahre (Mahendra.Ghritlahare@adani.com) <Mahendra.Ghritlahare@adani.com>; Ashvin Kumar Patni <AshvinKumar.Patni@adani.com>; Dhanesh Tank <Dhanesh.Tank@adani.com>
Subject: Intimation Letter_Stoppage of Environment Monitoring due to COVID-19_APSEZ, Mundra

Dear Sir,

Please find attached intimation letter w.r.t. stoppage of environmental monitoring within Adani Ports & SEZ Limited, Mundra, Kutch (Gujarat) since 23rd March, 2020 considering COVID-19 Pandemic lockdown.

So kindly consider this submission and oblige.

Thanks & Regards,
Chiragsing Rajput
Environment Cell | Adani Ports & Special Economic Zone Ltd.
Mob +91 9687678443 | Ext: 52132 | chiragsing.rajpud@adani.com | www.adani.com
Adani House, 1st Floor, P.O. Box 1, Mundra 370421, Gujarat, India.

adani

Growth
with
Goodness

Our Values: Courage | Trust | Commitment



APSEZL/EnvCell/2020-21/006

Date: 12.05.2020

To,

Regional Officer,

Regional Office – East Kutch

Gujarat Pollution Control Board,

Gandhidham – 370201.

Subject: Intimation for Restart of environmental monitoring within APSEZ, Mundra (Kutch, Gujarat).

Ref.: Our letter & E-mail dated 06.04.2020 (**Annexure – A**)

Dear Sir,

With reference to above stated subject, we would like intimate you that, we have stopped the environmental monitoring activities within APSEZ, Mundra since 23rd March, 2020 due to COVID – 19 Pandemic lockdown and same has been intimated to your good office vide our letter as well as E-mail dated 06.04.2020.

Now we have restarted environmental monitoring activities within APSEZ, Mundra from 12th May, 2020 after obtaining requisite permissions from Port authority and district administration.

This is for your kind information and reference.

Thanks & Regards

For, Adani Ports and Special Economic Zone Limited

Shalin Shah

(Head – Environment)

CC To:

1. Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382 010.
2. APCCF, Regional Office (WZ), MoEF&CC, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Link Road No. – 3, Bhopal – 462 016.
3. The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003.

Chiragsing Rajput

From: Chiragsing Rajput
Sent: Monday, April 6, 2020 6:14 PM
To: 'ro-gpcb-kute@gujarat.gov.in'; rowz.bpl-mef@nic.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; 'ms-gpcb@gujarat.gov.in'
Cc: Shalin Shah; Azharuddin Kazi; Vivek Gundraniya; Kripa Shah; Mahendra Kumar Ghritlahre (Mahendra.Ghritlahare@adani.com); Ashvin Kumar Patni; Dhanesh Tank
Subject: Intimation Letter_Stoppage of Environment Monitoring due to COVID-19_APSEZ, Mundra
Attachments: Letter_Stoppage of Envionmental Monitoring due to COVID-19.pdf

Dear Sir,

Please find attached intimation letter w.r.t. stoppage of environmental monitoring within Adani Ports & SEZ Limited, Mundra, Kutch (Gujarat) since 23rd March, 2020 considering COVID-19 Pandemic lockdown.

So kindly consider this submission and oblige.

Thanks & Regards,
Chiragsing Rajput
Environment Cell | Adani Ports & Special Economic Zone Ltd.
Mob +91 9687678443 | Ext: 52132 | chiragsing.rajput@adani.com | www.adani.com
Adani House, 1st Floor, P.O. Box 1, Mundra 370421, Gujarat, India.

adani

Growth
with
Goodness

Our Values: Courage | Trust | Commitment



APSEZL/EnvCell/2020-21/001

Date: 06.04.2020

To,

Regional Officer,

Regional Office – East Kutch

Gujarat Pollution Control Board,

Gandhidham – 370201.

Subject: Intimation for stoppage of environmental monitoring within APSEZ, Mundra (Kutch, Gujarat) during COVID – 19 Pandemic lockdown.

Ref.: Regulatory Permission obtained by APSEZ, Mundra (Kutch, Gujarat) as per attached **Annexure – 1.**

Dear Sir,

With reference to above stated subject, we would like intimate you that, in compliance to various regulatory permissions granted by MoEF&CC / SEIAA as well as SPCB for various project, M/s. Adani Ports and SEZ Limited, Mundra (Kutch, Gujarat) has been regularly carrying out post environment clearance, monitoring (environmental attributes viz. Air, Water, Noise, Soil, Marine etc.) through NABL accredited / MoEF recognized laboratory and same is being reported/submitted to regulatory body periodically.

However, considering the current scenario of COVID – 19 Pandemic lockdown, we were forced to stop the Environmental Monitoring from 23rd March, 2020 and same shall be restarted after completion of this lockdown period and/or when the condition is normalized (as directed by district administration/State/Central Govt.). The date of restart of Environment Monitoring, shall be communicated to your good office.

Kindly consider our above submission and oblige.

Thanks & Regards

For, Adani Ports and Special Economic Zone Limited



Shalin Shah

(Head – Environment)

CC To:

1. Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382 010
2. APCCF, Regional Office (WZ), MoEF&CC, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Link Road No. – 3, Bhopal – 462 016
3. The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003

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

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

ANNEXURE – 1

REGULATORY PERMISSIONS

Sr. No.	Permission for	Ref. No. & Dated
Environmental / CRZ clearance from MoEF&CC / SEIAA		
1.	Handling facility of General Cargo / LPG /Chemicals and their storage terminal	F. No. J-16011/13/95-IA.III, 25 th August, 1995
2.	Port expansion project including dry/break bulk cargo container terminal, railway link and related ancillary and back-up facilities	F. No. J-16011/40/99-IA.III, 20 th September, 2000
3.	Single Point Mooring (SPM), Crude Oil Terminal (COT) and connecting pipes	F. No. J-16011/30/2003-IA-III, 21 st July, 2004
4.	Development of Multipurpose berth (Terminal- 2)	F. No. 11-84/2006- IA.III, 5 th February, 2007
5.	Water Front Development Project	F. No. 10-47/2008- IA.III, 12 th & 19 th January, 2009, 7 th October, 2015
6.	Township and area development project	Letter No. SEIAA/GUJ/EC/8(b)/44 /2010, 20 th February, 2010
7.	Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD	Letter no. SEIAA/GUJ/EC/7(h)/43/2010, 20 th February, 2010
8.	Multi Product SEZ, Desalination, Sea Water Intake, Outfall Facility and Pipeline	F. No. 10-138/2008-IA.III, 15 th July, 2014
Consent to Operate from SPCB		
1.	Mundra Port Terminal (PCB ID: 17739) for handling, storage and distribution of Dry, Liquid and Containerized Cargo	Order No. AWH-83561, Dated 09.02.2017
2.	WFDP – West Port (PCB ID: 35427) for Dry cargo handling	Order No. AWH-79241, Dated 28.07.2016
3.	SPM and Pipeline for Crude Oil Terminal (PCB ID: 37436)	Order No. WH-86980, Dated 30.08.2017
4.	Multi Product SEZ (PCB ID: 31463)	Order No. AWH-88998, Dated 23.11.2017
5.	MUPL – CETP (PCB ID: 10605) for 2.5 MLD Capacity	Order No. AWH-79311, Dated 29.07.2016
6.	AMSIPL (PCB ID: 10602) for township and area development	Order No. AWH-89533, Dated 05.12.2017
7.	APSEZ, Residential colony (PCB ID: 17738) for STPs (350 + 250 KLD) & RO Plant (10 KLPH)	Order No. AWH-81075, Dated 12.09.2016
8.	MLPTPL (PCB ID: 53331) for handling, storage and distribution of LPG	Order No. AWH-103906, Dated 09.11.2019

Annexure – 5



ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

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

Sample ID:280444 - Analysis Completion:25/05/2020

Health-Care Establishment (as defined in BMW Rules)- [Hospitals
having total waste-water generation > 100 KLD and having
incinerator] / LAB Inward : 5984

TEST REPORT

Test Report No. : 5984

Date: 26/05/2020

1. Name of the Customer : Adani Mundra Sez Infrastructure Pvt. Ltd - 10602
2. Address : SURVEY NO. 141 (PART), SURVEY NO. 141 (PART), VILL MUNDRA, SURVEY NO. 1 MUNDRA
3. Nature of Sample : REP-Representative/Grab, (Insp Type : APP-On Application)
4. Sample Collected By : Virda Rikeshkumar R
5. Quantity of Sample Received : 5 ltr
6. Code No. of the Sample : 280444
7. Date & Time of Collection & Inwarding : 06/05/2020 , (1400 to 1408) & 09/05/2020
8. Date of Start & Completion of Analysis : 10/05/2020 & 25/05/2020
9. Sampling Point : Final Outlet of STP (Samudra Township) ~ Final outlet of STP (Samudra Township)
10. Flow Details (Remarks) : Flow observed
11. Mode of Disposal : On land for gardening plantation
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 32 & pH Range on pH Strip : @ 7-8 on pH strip
14. Carboys Nos for : W-1 & Color & Appearance : Colorless
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :2500.000 & Ind :0.000 , Dom :2500.000

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.78
2	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	16
3	Fecal Coliform	MPN/100 ml	2.9221 E APHA 22nd Edition IS 1622-1981	<1.8 to >1600 MPN/100	70
4	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirmed	05–50000 mg/l	18

Laboratory Remarks : Sample freeze By:682-ae_682 Dt.: 26/05/2020

Agravats. S. N.

Dr. S. N. Agravat

Field Observation :

Note :

1. * - These parameters are NOT covered under the scope of NABL.
2. The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
3. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
4. This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
5. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
6. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as amended by Second and Third amendment 1993 for Effluents
8. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 22nd Edition by APHA.
9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

Annexure – 6



C S R K U T C H

► Six Monthly Report 2020-21

Adani Foundation

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



INDEX

3 Fight Against
COVID-19

22 Health

39 Adani Skill
Development
Centre

49 Employee
Volunteering
program

5 Environmental
Sustainability

26 Sustainable
Livelihood
Development

43 CSR -
Nakhatrana

50 Events

17 Utthan

34 Community
Infrastructure
Development

46 CSR - Lakhpat

54 Events

20 Adani Vidya
Mandir
Bhadreshwar

36 SuPoshan

47 CSR - Tuna

62 Media
coverage

Fight Against COVID-19

While most of the nation is locked in the safe confines of home, Adani foundation is doing various activity in villages during lock-down period to fight against COVID-19.

24

villages of Mundra block Sanitized



Adani Foundation had done sanitization work with coordination of Fire Department APSEZ in 22 Villages in Mundra.

45000+

Mask prepared by SHG group



Adani Foundation has supported SHG Groups of Mundra, Mota Kapaya, Navinal, Nakhtrana and Lakhpatri for mask preparation.

1800+

food packet per day two time



For The workers, drivers and labors of APSEZ and AWL Cost free Fresh Food Support (Breakfast, Lunch and Dinner) in AWL premises , Port premises and SEZ Premises.

9000+ ration kit support



Ration Kit support to Daily Wage Labors and Needy people

150+ beneficiaries covered



Mobile health care unit is providing primary treatment to community at door step and also creating awareness to fight against Corona virus.

12500 people connected



By Awaz De software creating awareness in people in local kutchi language.

1400+ patient covered



AHMPL is providing all services IPD and OPD during lockdown period. social distance maintained during Pharmacy and queue for consultancy.

Important of handwashing & hygiene



Creating awareness of handwashing and hygiene by Sangini

57 senior citizens of old age home



During lockdown period our team providing medical facility to senior citizens at old age home in Mandvi and Gundala

Environmental Sustainability

Sustainable development has many important facets/components like social, economic, environmental, etc. these components are closely interrelated and mutually re-enforcing. Under Corporate Environmental responsibility 10 km radius villages from SEZ Boundaries.

To make connections between human actions and the level of biological diversity found within a habitat and/or ecosystem, this year we launch project "Sanrakshan" in coordination with GUIDE and Sahjeevan.



Environmental Sustainability

Water Conservation Projects

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 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)
- 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 54 Nos. which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 75 Nos which is best ever option to conserve ground water



Environmental Sustainability

Water Conservation Projects

- Drip Irrigation 823 Farmers benefitted in coordination with Gujrat Green Revolution Company
- Participatory Ground Water Management in ten villages with holistic approach for Kankavati Sandstone Aquifer Programme
- **As per Average Calculation more than 450 hac. area benefitted with increased in 109 MCFT water Quantity.**



Environmental Sustainability

Bio Diversity Park – Mundra

Ecological greenbelt development plan expects to attract and provide habitats for many species of major faunal groups such as amphibians, reptiles, birds (terrestrial and aquatic), butterflies and mammals. Further this developed area can act as recreational, educational and interpretation center for the community of the corporate sector to understand and enhance their knowledge base on local environmental and ecological scenario.

Adani Foundation, Mundra-Kutchh proposed a biodiversity park at 5 acres Nandi Sarovar area and approached to Sahjeevan, Bhuj for technical support for same. Sahjeevan team visited this proposed site for development of greenbelt to support biodiversity and enhancement of overall ecological food web existing in and around the landscape in first phase.

In addition, senior team of Adani Foundation and Sahjeevan also discussed in details for this program and suggested to initiate an interpretation center for awareness to various stakeholders on very unique biodiversity of Kutchh region in second phase.



Environmental Sustainability

Bio Diversity Park – Mundra

Zone wise different habitats identified by technical team, i.e. Outside Plot Area, Along Waterlogged Area, Climber/Twiner Area, New Plantation Area, Entry Gap Filing Area, Gate Area, and Wetland Area within the proposed project area, technical team will develop a list of species that are representative of mature, undisturbed local forests, grasslands and wetlands. The chosen species will be typical of the species composition of local habitats. Main objectives are :-

Develop a list of plant species that can be chosen on the basis of aesthetic characteristics, in particular for the beauty/abundance of their flowers, eventually of their fruits/foilage.

Define information on different types activities involved under this ecological greenbelt development project (i.e. butterflies areas, medicinal plants areas, birds areas etc.).

Develop a manual that will give guidelines for habitats based on local practices, for short term and long-term management.

Till date more than 2500 medicinal plants and 1000 native plants are planted, due to good rain growth is considerable



Environmental Sustainability



Environmental Sustainability

Coastal Bio Diversity Park – Luni

Bio diversity Project has been Continue with three species *Rhizophora Mucronata*, *Ceripos Tagal*, *Ceriops Decandra* with good growth at Luni Bandar.

The mangrove biodiversity enrichment project in and around Adani ports special economic zone limited (APSEZL) aims to introduce select true mangrove species on a pilot scale in suitable coastal belts and assess their survival. Because this project is the first of its kind, the expected survival rate is between 20-30.

The project is currently in its initial stages of establishing nurseries and sowing seeds of several different species brought in from multiple locations in and outside of Gujarat state. These nurseries have been developed in tidal flats near the village of Luni, Kutchh, Gujarat.

The mangrove seeds/propagules) for the establishment of the nursery were brought in from various locations in India, namely, Machilipatnam (Andhra Pradesh), Pondicherry (Tamil Nadu), Parangipettai (Pichavaram Mangroves, Tamil Nadu), Kandla (Gujarat) and Jamnagar (Gujarat).



Environmental Sustainability

Coastal Bio Diversity Park – Luni

In most of these locations, there is adequate fresh water supply available due to high/substantial rainfall and/or presence of major rivers (also important river confluences and deltas that give rise to a thriving estuarine environment). Consequently, the mangrove species that successfully grow in those regions are adapted to a low-salinity environment (where salinity is approximately 20 ppt) against that of 37-44 ppt prevailing in Kutchh coastal waters. Furthermore, the species selected to establish the biodiversity enrichment project also belong to this group of mangrove species. This subsequently creates a challenge for the team heading this project because the Kachchh region does not provide adequate salinity ranges for survival of most of these species. In fact, it provides an extremely harsh saline environment (salinity can range up to as high as 44 ppt during summer).

Considering the above-mentioned scenario, the site selection criteria, need for species of high salinity tolerance and studying their natural occurrence in Kutchh becomes critical in ensuring a substantial survival rate of the mangrove species selected to potentially successfully establish a diverse and resilient mangrove community in the Kutchh region. Furthermore, a highly diverse set of mangrove species will ensure resilience in the face of changing climate and could probably provide as a thriving gene pool and seed bank in the future for the Kutchh region.



Environmental Sustainability

Tree Plantation

4110 Tree have been planted at various Public places , Schools, GP and crematorium with their responsibility to nurture and maintain regularly.



Environmental Sustainability

Drip Irrigation Projects

- **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 this six months we have covered 51 farmers and 310 Acre land for the same.**



Environmental Sustainability

Sea Weed Projects

The cultivation of seaweed have significant potential for the sequestration of carbon dioxide (CO₂) and will very fulfill in mitigating the climate change. Seaweeds are macrophysics algae, a primitive type of plants lacking true roots, stems and leaves. They provides valuable source of raw material for industries like health food, medicines, pharmaceuticals, textiles, fertilizers, animal feed etc.

As per study of government of Gujarat, Seaweed culture can be best developed along the coast lines of Amreli and Kutchh districts in Gujarat. Juna bandar has good potential for seaweed farming as it has Calm and less wind action. We started this project as Pilot base at Junabadar with 50Kg Quantity. though there was good growth but due to cyclone it was damaged at present it 600Kg.

In July 2020, We have done MOU with VRTI who is expert in Sea weed cultivation for supporting 20 fisherman in first phase for tank based sea weed farming. Dr. CVR Reddy (Ex- Director CSMSRI) is our Guide for the Project.



Environmental Sustainability

Homebiogas Project

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 95 home biogas in Dhrub, Zarpara and Navinal Villages.

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

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 54 farmers are utilizing it with satisfaction and considerable outcome by saving Average Rs. 1250 for gas and fertilizer as well.

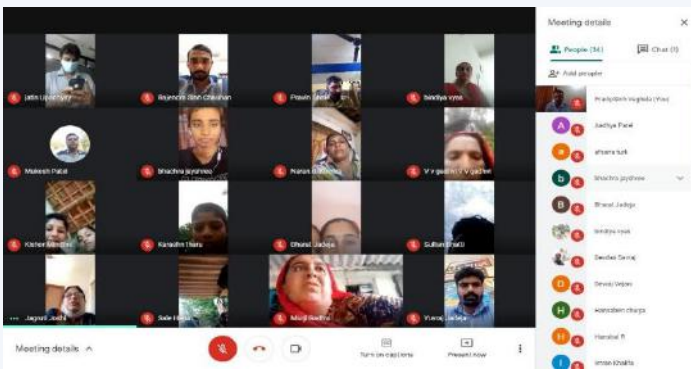


Utthan

Academic

- ✓ Utthan Sahayaks connected through WhatsApp and phone calls with the progressive learners from April – July
- ✓ July onwards structured 'Online classes' were started for Utthan Schools focusing Progressive learner on Google meet platform
- ✓ Utthan Shayaks made Annual syllabus, customized worksheets and TLM
- ✓ Weekly IT and Sports material were circulated in all Utthan Schools

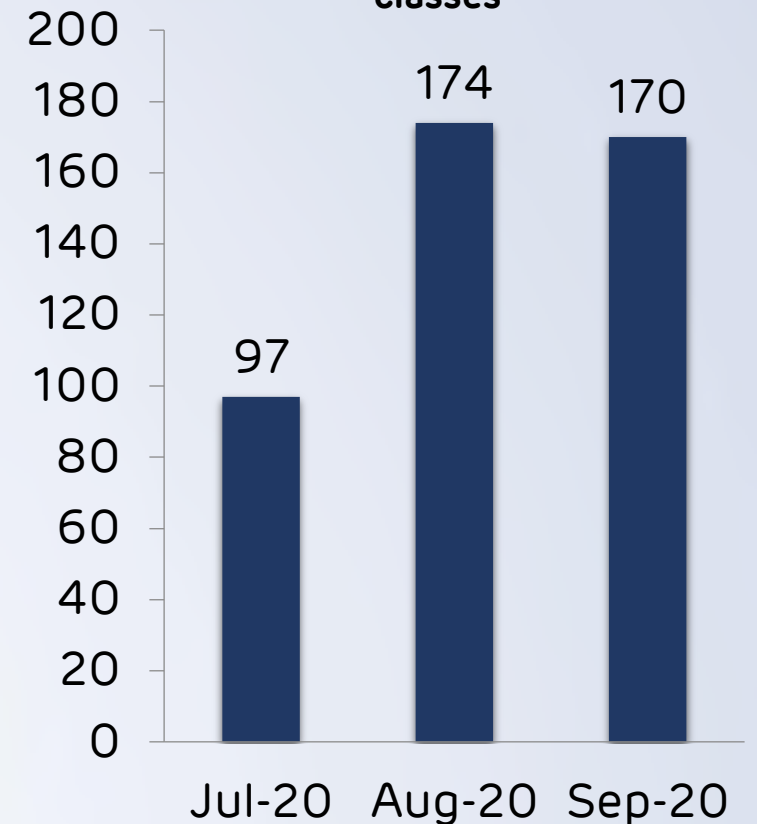
Mother's meet 3 Mothers' meet conducted 148 Mothers' were addressed



Topic covered –

- Precaution during heavy rainfall and covid
- Active participation in online classes
- Spend quality time with your child
- Focus to develop creative skills amongst your kids

Priya Vidyarthi in 17 Government Primary School : 259 (2020-21)
No. of Priya Vidyarthi attending online classes



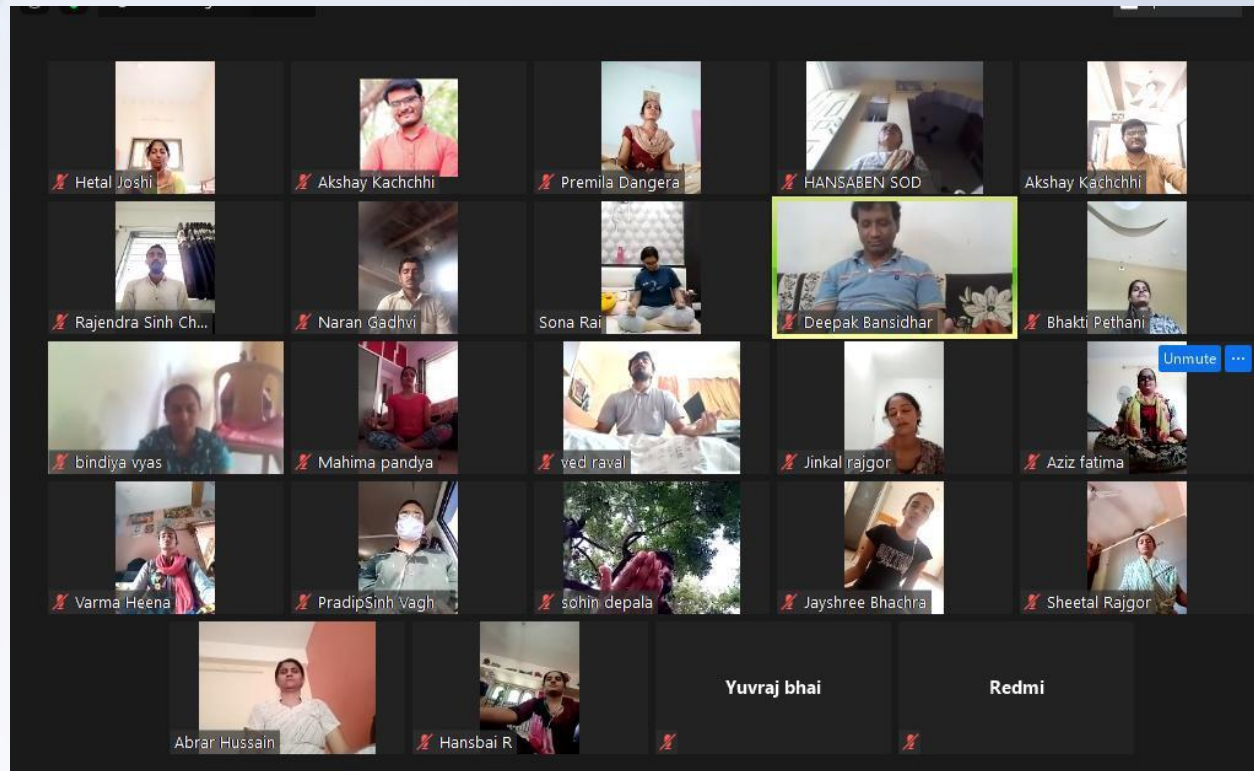
Utthan

06 Virtual Capacity Building Program on various topic through Microsoft team

Apart from CPD Utthan Sahayks attended 30+ educational webinar during lockdown.

Topics covers -

- We're all at home-but you're not alone,
- Think big! Boost your learning
- Project for teen
- Teaching CLIL
- Building up confidence in writing skills
- An introduction to positive psychology well being for your classroom



Utthan



Arrange various competition and celebration for Priya Vidyarthi



School Visit and Home Visit by Utthan Sahayak

Meeting with School principals and Utthan Sahayaks

Conduct meeting with Principal / Teacher of Utthan schools, TPEO, BRC, CSR Head, Education Coordinator, Project Officer and Utthan Sahayaks through Microsoft Team

Agenda:

- Utthan Sahayaks strengthen themselves by attending 30 + webinar
- Online courses conducted by Cambridge University
- Prepare worksheets especially for *Priya Vidyarthi* Annual curriculum for Reading, Writing, Maths, English, Library, IT, Sports
- Prepared Teaching Learning material Connect with *Priya Vidyarthi* by Online class + WhatsApp + Text messages + Home Visit
- Meeting with government officials



Adani Vidya Mandir Bhadreshwar

Adani Vidya Mandir Bhadrashwar **provide "cost-free"** education to meritorious students coming from challenging economic background, who have priceless treasures but have been under achievers due to situation. In year **2020-21 490 students are studying.**

82.60% - Result SSC Board Exam



Tab Distribution

Tablet provide to students of std 10th for online study through Employee Volunteering Programme and we distributed the tablets to students of Std 10. HOD's and HOS's of Adani Ports, Adani Power, Solar and Adani Wilmar and Adani Tuna had supported for online studies of Standard 10th Students of AVMB for smooth studies.



Adani Vidya Mandir Bhadreshwar

Activities Covered

- Admission process of std 1 students through draw system. 80 students selected out of 91. remain 11 students in waiting list
- Online Class through WhatsApp and you tube video
- Teachers are regularly visiting students house for checking homework and lessons with PPE's.
- supported Text-books to the students of all classes.
- Tab distribution to Std 10th students
- House Visit by Principal Madam & Vice Principal to irregular students.
- Hindi Day celebration
- Unit test conducted as per GSEB circular for the students. Paper received from CRC & Board for std 9th and 10th.



Health

During this panic situation health is the basic need for development of community. Adani Foundation focuses on ensuring good health for better contribution to growth and progress.

11 Rural Clinic

8 from Mundra 3 from Anjar block treated ;

8196 patients.

31 villages covered, with 109 types of general and life saving medicines through Mobile healthcare unit

6879 patients benefited during six month

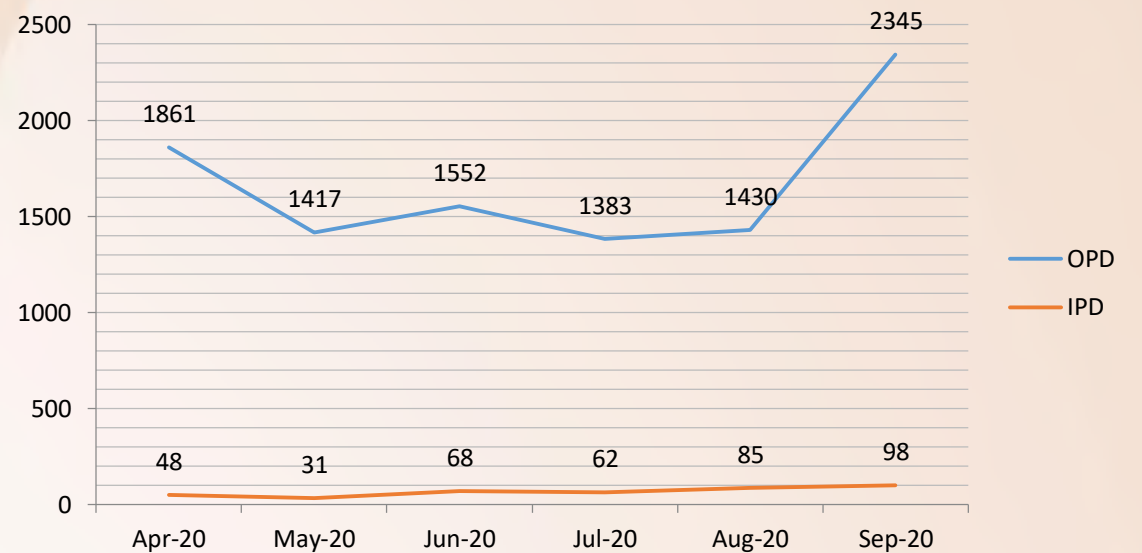


Health

Project wise detail

Project`	OPD/IPD						
	20-Apr	20-May	20-Jun	20-Jul	20-Aug	20-Sep	Total
Senior citizen	471	537	694	504	313	402	2921
Medical Supports	106	89	70	41	60	100	466
Dialysis Supports	43	51	41	36	35	30	236
Medical Mobile van	50	1470	1107	1234	1445	1573	6879
Rural Clinic	0	1653	1557	1705	1591	1690	8196
Total	670	3800	3469	3520	3444	3795	18698

AHMPL OPD & IPD detail



AHMPL	Month						
	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Total
OPD	1861	1417	1552	1383	1430	2345	9988
IPD	48	31	68	62	85	98	392
Total	1909	1448	1620	1445	1515	2443	10380

Health

Dialysis Support



Due to high salinity, in Kutch cases of kidney failures are comparatively more. At Adani Hospital we are providing dialysis treatment with token charges. We have provided treatment to 6 patients of kidney failure 236 times.



Sr. Citizen project

8672 Card holders of 68 villages get benefit under this project .

2921 sr. citizen patients benefited during six month 8000 limit for three year per patients



Medical Support

470 Needy patients had been facilitated with Medical Support OPD & IPD treatment with token charges during this six month

Health

Abhimanyu Project

Having pregnancy is the precious for women as well as her family. But sometimes some complication may arise which can be fatal for mother and child due to incomplete knowledge and irregular health check-up.

To resolve its at some extent we design Abhimanyu health calendar with all details about diet, vaccination, symptoms and precautionary measures in Gujarati language with pictures so the pregnant women can be align with it's regularly.



1150 health calendar were distributed to various PHC,CHC and ICDS department of Mundra, Mandvi, Nakhtrana, Lakhpur, Abadasa, Anjar & Gandhidham block.

594 Protein Powder packet distributed to ANC woman of Utthan villages and TB patient of Mundra block.



Sustainable Livelihood Development

Education:-

Education play significant role for any individual as well as community transformation.

Covid pandemic has severely impacted on education system. Hence to keep them connected and motivated various intervention have been made.



55 Higher secondary Fishermen students of Sekhadiya, Navinal, Zarpara & Junabandar benefitted with book support.
Mother meeting and telephone Discussion for their wards discussion.

Alternative livelihood

Fisher folk



Providing Option livelihood to Fishermen during Fishing Off season by Mangroves plantation and Maintenance. It also creating environment sustenance.

4830 Man-days work was provided over **236** Fishermen family during this six months

Sustainable Livelihood Development

Government Scheme Facilitation.



To avail Fishermen Government scheme (**Fishermen Credit card**) one day program was arranged with social distancing and all precaution.

30 KCC form fill-up at Navinal.

Created awareness with Telephonic about same.

Sea Weed Culture

To create option livelihood over fishermen with co-ordination of VRTI.

Pilot phase -3500Kg seaweed was harvested
Based on that MOU with **ICCSIR** (Brach of VRTI) to expand sea weed Culture by Offshore and inshore Method
We have to support for Community Mobilization and land for inshore Seaweed Culture.



Potable Water at Fishermen Vasahat

Potable Water to Fisher Folk at vasahat-2020-21			
Sr.	Vasahat	family	Requirement Per day
1	Luni Bandar	110	15000
2	Bavdi Bandar	117	15000
3	Kutdi Bandar	140	15000
4	Randh Bandar	350	25000
	Total	717	70000

Availing pure drinking water to fishermen vasahat.

To mitigate born disease and women drudgery to get water

1113 fishermen are getting benefit of its

Juna Bandar Fishermen vasahat been water sustain with linking to Mundra Gram Panchayat

Sustainable Livelihood Development

The purpose of this project is to initiate village wise integrated agricultural & allied development for sustaining agriculture and socio economic situation of farming community of Mundra block.

Adani Foundation had coordinated with Village Development Committee, Gram Panchayat and Gau Seva Samiti of Siracha Village Gauchar Development.

Total 85 Acre Gauchar Land was approved by GP for Development by decision taken in Gram Sabha . Among them 72 Acre land Has been Sowed and Remaining land would be Grow with Wild Grass.

Fodder cultivation

- To Increase production and availability of green and dry Fodder.
- Village driven fodder sustainability through cultivation in village Gauchar land..
- Zarpara -25 Acre & Siracha- 85 Acre Gauchar land development is in progress – We got very good support from Village Development Committee in post care.



Sustainable Livelihood Development

Government Scheme Facilitation

Facilitate widows, senior Citizens and Divyang to various schemes of government like widow pension, free bus pass, Senior citizen pension scheme sankat mocha sahay etc. support for process and documentation

Sr.	Name of Scheme	Nos of beneficiaries	Supports amount
1	Widow pension	51	Rs.1250 per month
2	Divyang Buss	8	Free of cost traveling
3	Senior Citizen pension scheme	3	Rs.750 per month
4	Sankatmochan sahay	2	Rs.20,000 once in life for BPL
5	Cabin support to widow	2	by foundation

66 people are getting benefits of various government scheme



Sustainable Livelihood Development

Women Empowerment

An initiative under the Sustainable Livelihoods Development Program to encourage women, take control of their own lives and increase their confidence whether they are single, married or widowed.

5-SHG had been Facilitated for Rs1.0 lac bank loan through DRDA to start-up new business for women empowerment.

facilitated artisan for artisan support by District collector Kutch Rs.1000/- per month for four month

11 members Shradha saheli SHG of Motakapaya village is prepared snacks and meals for catering.

The group's catering tender has been sanction to providing snacks and meals service for Government program in mundra block.



₹ 6,00,000+
income has been earned



60,000+ three layer mask has been prepared and sold by Umang SHG group @ Rs.10.00 per mask

Sustainable Livelihood Development



Registration of "Kutchh Kalptaru Farmer's Producer Company and meeting with Director, DRDA for Equipment and Agri mall Grant is done.



Tissue Culture

Our periphery villages are famous for the dates farming as having appropriate weather and soil condition.

To Doubling the farmer income by availing "Barahi Varieties Tissue plant" has good productivity 850 plants have been distributed to 34 farmers 25 plants / Farmers cost of a plants is Rs.3500. 50% Contribution have been collected from Farmers which will further utilized to purchase more tissue plants to availed more farmers.

Fodder support

Fodder support in 20 villages of Mundra and Anjar block.

Dry fodder 6.70 lacs kg
Green fodder 11.60 lacs kg



Sustainable Livelihood Development



Home Bio Gas

Installation of 53 Home Bio-gas with SOP Awareness and trouble shoot of problem as well.

Model Farming

To promote cow-based farming two model farm have been developed with 25 type innovative activities. This will be utilized for demonstration and replication at other farms.



Dragon Fruit Farming

To promote dragon food farming to doubling farmer income as having good economic value. 10,000 dragon food sapling , Pole and wire have been supported to 5 farmers.

Sustainable Livelihood Development



95 Farmers benefitted with NB -20 Off suite to bring fodder sustainability.



Kitchen garden Kits (Seeds, Fertilizer and Pesticides) were facilitated to 48 SC family with the help of horticulture department and aware about its importance in diet.

ORGANIC FARMER'S HAAT

by

जैविक बाजार

Healthy Food for Healthy Life

Date: 23rd August, 2020
Time: 8AM to 11AM

Venue: Shopping Center, Shantivan colony

We Believe and Deliver

Nutritious, Tasty, Chemical Free Naturally Grown Produce at your doorsteps directly from Farm

adani Foundation

Supported by: ADANI FOUNDATION, MUNDRA

+91 77779 08024
info@jaivikbazaar.com
www.jaivikbazaar.com

adani Foundation

Healthy Food for Healthy Life

"Food is Medicine: But is your food safe?"

Today, Food we eat contains harmful Pesticides, Chemicals, Color.

So, We Believe and Deliver...

Nutritious, Tasty, Chemical-free, Healthy, Naturally Grown Produces at your doorsteps fresh directly from our Farms

We are delivering Fresh Organic Vegetables & Fruits, Cereals, Pulses, Spices, Oils, A2 Cow Milk, Ghee, Fruit Juices, Clay utensils, etc.

FREE DELIVERY

Page 73 of 122

Organic farmer hat at shantivan colony
To avail pure organic vegetables ,Milk, ghee, buttermilk as well as webinar was also organized to aware about the importance of healthy food for healthy life.

Community Infrastructure Development

Adani foundation has designed, planned and built a infrastructure community health, agriculture and living standards, all initiatives were fulfilled according to the needs of people of community.

Development of Prisha Park at Mundra.



Pond Bund strengthening at Zarpara Village



Community Infrastructure Development

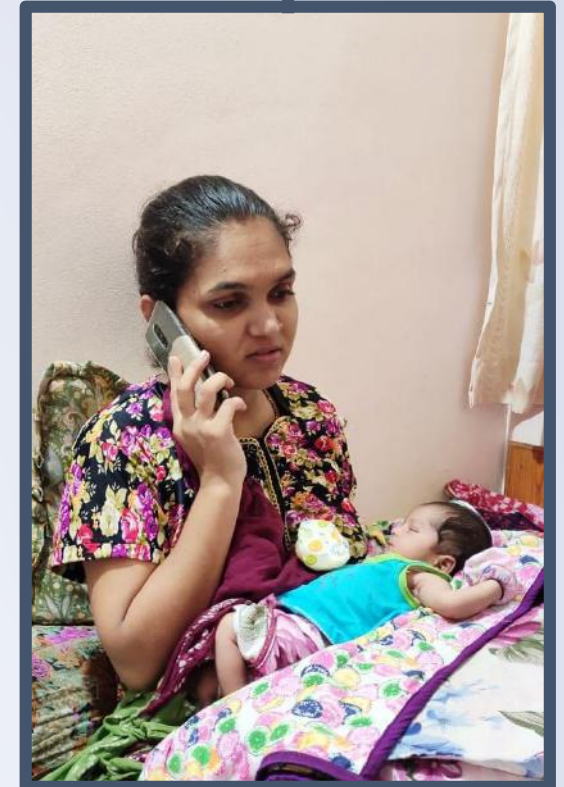
Work In Progress:-

1. Drainage Line and Chamber work at Bhopavandh.
2. Drainage Maintenance & JCB Hiring & Other Mis. Work.
3. Road Repairing at Kutdi Bandar.
4. Road Repairing at Zarapra Fisherman Vashat.
5. Road Repairing at Luni Pagadiya Fisherman



SuPoshan

The purpose of the Project is to reduce occurrence of malnutrition and anemia.
create awareness about malnutrition and anemia and related factors amongst all stakeholders and role they may play in curbing the issue.
To successful implementation of the project, "Sangini – Village Health Volunteer" plays major role in the Project.



SuPoshan

Covid-19 awareness in village & Slum Area

100 beneficiaries covered in Menstrual Hygiene Day - with slogan called "RED-ACHHA HAI"

204 beneficiaries covered in Breastfeeding Week

320 beneficiaries covered in National Deworming Day

20 villages covered in celebration of NATIONAL NUTRITION MONTH

42 FAMILY COUNSELLING

Participate in Umbre Anganwadi episode



SuPoshan

THANKS GIVING PROGRAMME" MUNDRA & BITTA Site

Community Engagement and other Activities		
Sr.No	Activity	Total
1	No of Sangini	24
2	Total Village Cover	41
3	Total Anganwadi Cover	70
4	SAM to MAM Monitoring Progress	03
5	MAM to Normal Monitoring Progress	15
6	Focus Group Discussion	85
7	Family Based Counselling	42
8	Village level Events	05
9	No of SAM children referred to CMTC	06
10	Total Anthropometric screening	140
11	Total Family Cover through video & Audio Calling	20
12	Total House Hold Family Visit	130
13	No. of Severe Acute Malnourished children (SAM) Telephonic Counselling	08
14	No. of Severe Underweight children (SUW) Telephonic Counselling	03
15	No. of adolescent girls-Telephonic Counselling	190
16	No. of pregnant women-Telephonic Counselling	100
17	No. of lactating mothers-Telephonic Counselling	230
18	No IFA Tablet Distribution to adolescent girls	200
19	Total Family Cover	9178
20	No of Sangini completed online POSHAN Abhiyan E- Learning module	15

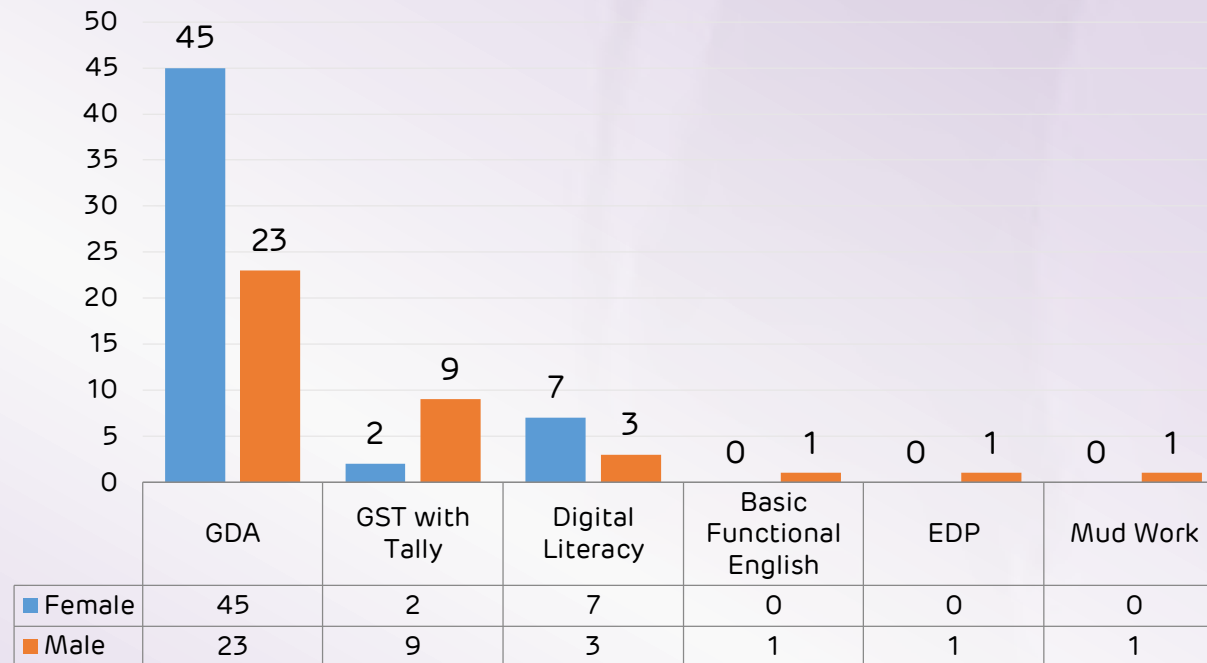


SuPoshan Thanksgiving program was organized. In this webinar DDO, CDPO Mundra and other dignitaries remained present and appreciated the efforts to overcome malnourishment in Mundra and Bitta.

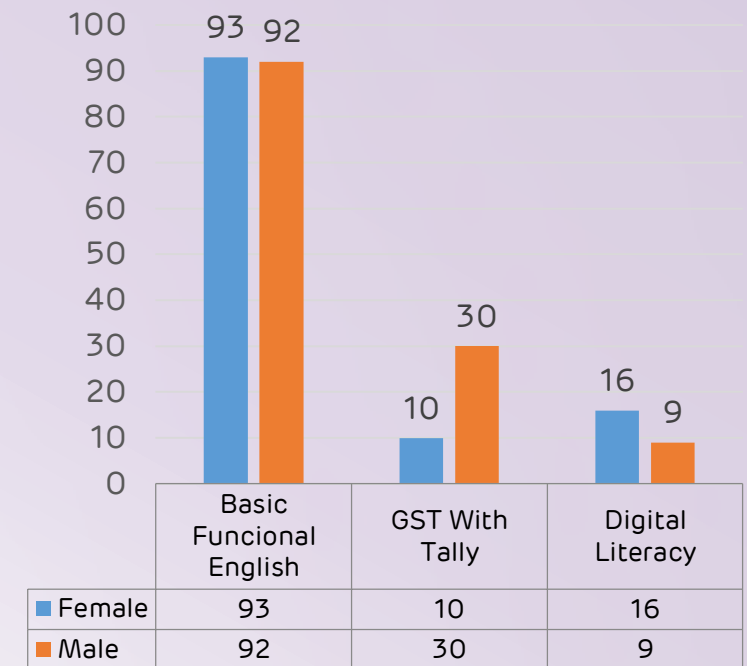
Adani Skill Development Centre

Admissions From April to September, 2020

OHO Model (Subsidized)

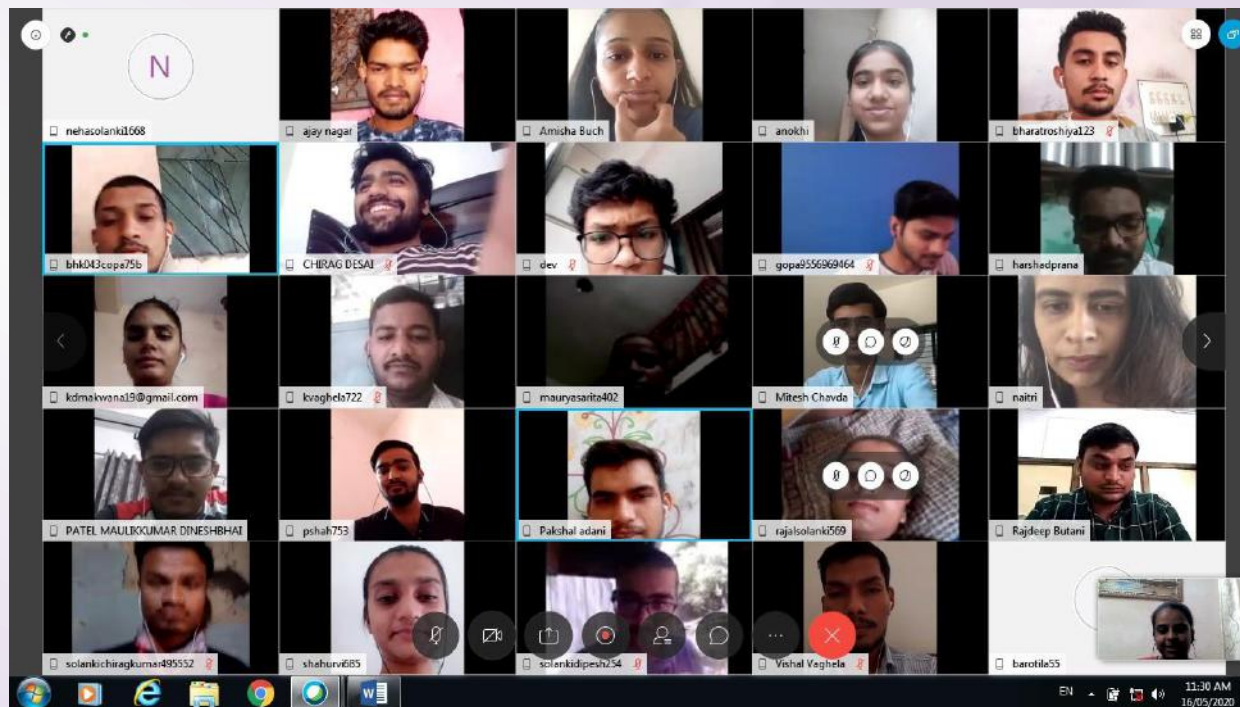


Free Training Model



Adani Skill Development Centre

E-Learning 324 students Enrolled in Online Training



Various Activity

The students of DDU-GKY (GDA) creating awareness regarding Covid-19 in their own village through various activity



Adani Skill Development Centre

Interview and Placement

Arranged interview of DDU-GKY GDA students at Sterling Hospital – Gandhidham, GAIMS (Sodexo), Chanakya College, Accord Hospital, Fire Academy.

27 students get placement in GAIMS (sodexo), Alilance Hospital, Shreeji Hospital, Bhuj Fire Academy, Divine Hospital etc.
3 students are working in COVID-19 Hospital



Adani Skill Development Centre

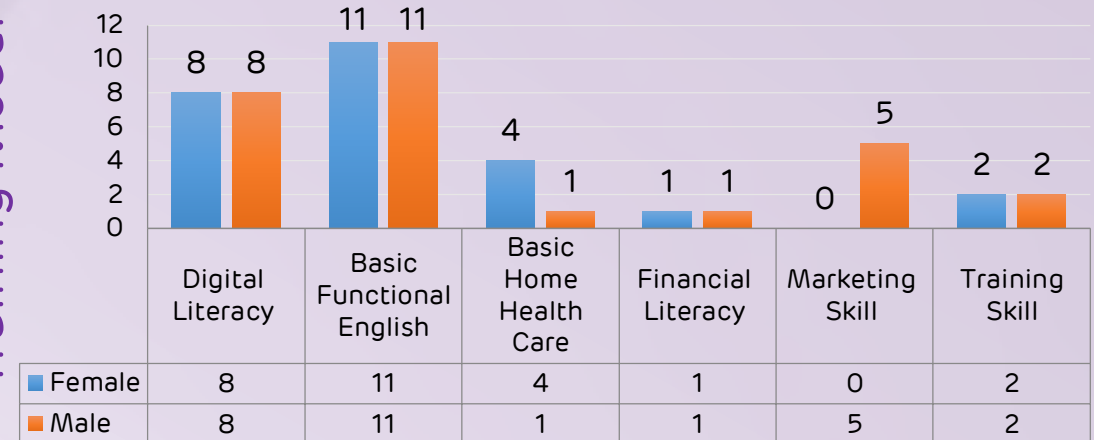
Admissions From April to September, 2020

E-Learning & Activity

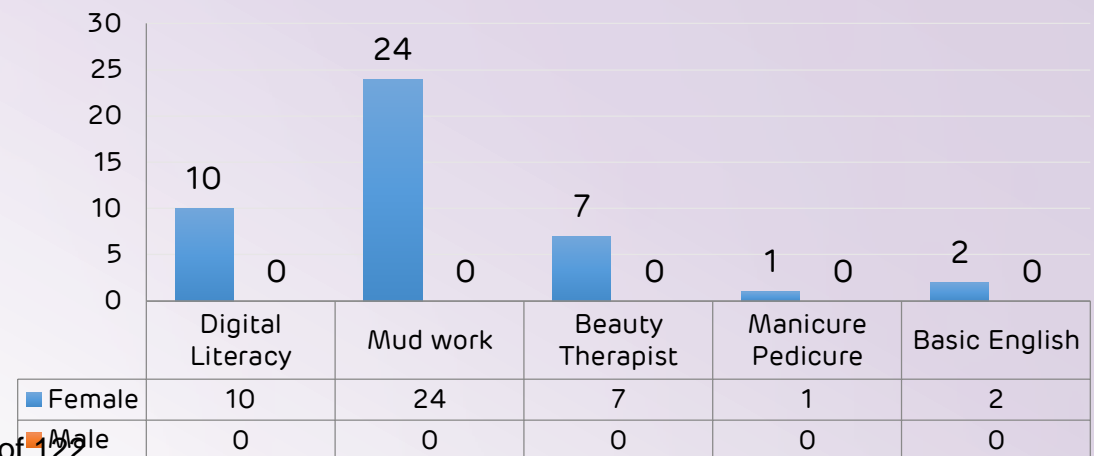
- Online E- Learning training of Interview skill course
- Online training of Mud work – Theory and practical



Free Training Model



Subsidized Training Model



CSR - Nakhatrana

Recharge Bore well

Adani Foundation, Nakhatrana had revived ground water table by recharging the bore wells and wells in Amara and Jinjay village. Total 15 Bore well recharge work will be beneficial to more than 70 beneficiaries in irrigation.



Benches and Otta Work

In Jinjay Village 5 cement benches were grouted and 2 sitting places – otta were repaired at public places. Also in Amara village 6 cement benches was grouted near Village Pond which brought visibility of our entry point activity work for Green Energy Projects.

Tree Guard Support

Adani Foundation always believes in Nature conservation. For purpose of planting and protection of trees, Adani Foundation provided 50 cages in Ugedi village of Nakhtrana taluka and 100 cages in Ratadia village..



CSR - Nakhatrana



Swavlamban Divyang Support

The Adani Foundation, Nakhatrana provides a variety of tools to help people with disabilities become financially self-sufficient. Disabled people are given various support for livelihood such as cabin shop, sewing machine, Atta chakki in which they earn income by selling various things.

SETU Agriculture Projects

Adani Foundation supported agriculture projects by linkages of Government Scheme. Facilitated 23 SC Farmers of Ugedi, Amara, Ratadiya and Desalpar village by Kitchen Garden kits worth Rs 2000 by coordination with Department of Horticulture GOG.



SETU Widow/Divyang Support

We act as a bridge between Government schemes for Widows and Divyang people. 104 Widow women were supported to fulfill formalities of filling pension scheme forms and started getting aid of Rs. 1250 per month. Tricycle, Bus pass and sewing machine support was also coordinated with social welfare department

CSR - Nakhatrana

Biodiversity - Ugedi

Adani Foundation also works for the conservation of biodiversity. To do such work, Adani Foundation works with the advice of experts and the guidance of an expert organization to protect the environment and also to protect and preserve the wild biodiversity. It works to protect biodiversity.

This work has been entrusted to Sahajivan, an expert organization for the protection and conservation of biodiversity, as part of which a Biodiversity Conservation Committee has been formed in Ugedi village (BMC). As well as in the garden of Ugedi village and in the place of Angalwadi, trees have been planted. Also, in the seam area of Ugedi village, more than 300 native trees have been planted, In which trees like Pilu, Desi Bawal, Khejari, Liar have been planted. As well as the seeds of the native trees have been sprinkled, babool has been removed from the roots in the village pastures by JCB and the pastures have been cleared so that the native trees can grow more and the sprinkled seeds grow there and It has been tried to grow back the native trees of Kutch. Also, a small pond has been constructed in Shim of Ugedi village, in which wild animals can get water as well as survive



CSR - Lakhpatt



Tree Guard Support

Adani Foundation always believes in Nature conservation. For purpose of planting and protection of trees, Adani Foundation provided 100 cages in Kapurashi village of Lakhpatt taluka and 100 cages in Koriyani village..



Fodder Cultivation

Animal Husbandry is the main livelihood of Lakhpatt. Due to good rain we motivated more than 61 farmers to grow fodder in at least one acre of land to become self sustainable.



CSR-Tuna



Rations Kits Support

We believe in growth with Goodness and giving back to society.

We are Always ready to support during any Nature calamities and pandemic.

During the Covid -19 pandemic we had started Ration kit Distributed campaign with spreading precautionary awareness to needy and poor people.

Total 1100 Ration Kits Distributed to Tuna Rampar and Vandi Villages

SETU – Widow/Divyang Support

We act as a bridge between Government schemes for Widows and Divyang people. social welfare department.

We arranged Awareness program with Anarde Foundation , setu and Government Officers.



CSR-Tuna



Potable water Distribution

at Vira and Ghavarvado
Fishermen Vasahat

Water Project

Water Pipe Line installation & Storage tank
construction with Collaboration with WASMO ,
GP and AKBTL at Tuna



Adani Foundation always believes in Nature conservation. For purpose of planting
and protection of trees, Adani Foundation have Done Tree planation at Tuna ,
Rampar , Vandi Government Schools and Police station.



Fodder Support

Fodder distribution to Rampar and Tuna Villages.
Rampar

15520Kg dry Fodder Rs.1.1 Lacs

122930Kg Green Fodder Rs.3.50 Lacs

Tuna

32430Kg Dry Fodder Rs.2.65 Lacs

212800Kg Green Fodder Rs.6.06Lacs.

Tree Plantation



EVP-Employee Volunteering program



802 students of
Vallabh Vidhalaya
schools has been
adopted by Adani
employee

35 tablet
for students of AVMB

Amid covid-19 its difficult to continue 10th standard study for the financial weaker students who don't have any digital gadget for online learning . Hence to enable them for online learning our APSEZ Employee volunteering support to provide Lenovo tablet to AVMB Students . .



All the 802 students are in the school are from migrants labour families who are working in various industries in and around of Mundra. Laborer children are in addition to resource constrain at home and also bear the dis-advantages of unfamiliarity of local language and culture, which inhabiting them to participation in school. Vallabh vidhalaya by passes the language barrier as the medium of instruction is Hindi.

Total Rs.16.04Lacs cheque had been handed over to Mr. Dharmendra who is the director of Vallabha vaiadhalaya On 1st may as the world labour day.

Events

World Environment Day

World Environment Day was celebrated in Four Talukas by different activities related to conservation of Environment.

- Mangrove Plantation at Luni sea coast with fisher folk community
- Tree Plantation at Mundra, Nakhtrana, Lakhpat & Tuna block.
- Inauguration of Gauchar land development work in 22 acres at Siracha village
- Tissue culture plant distribution to farmer
- 1500 herbal plants like meshvak, amla, galo, gugal, ardusi, pilu, etc planted at Nandi Sarovar biodiversity park



Events

Vanmhotsav

4100+ tree plantation

Vanmhotsav tree plantation :

Tunda, Siracha, Navinal , Zarpara, Dharb, Baroi, Luni, Samgoga, Nani bhujapar, Moti bhujapar, Mota bhadiya, Gundiyaali , Anjar, Tuna, Rampar and Wandi Village.

For Mota bhdiya, Ravalpirdada tample and Zarpara with Government 1000 plants received from Forest Department.



Events

World Mangrove day

Web talk show was organized on the occasion of "World Mangrove days On Multi species Mangrove bio diversity with Joint effort of Guide and Adani Foundation, mundra.

Dr.V.Vijayan Kumara (Director of Gujarat institute of Desert ecology) , Mr. C.R.K Reddy (Former chief scientist ,CSIR-CSMCRI CEO) and Respected PNR sir and Gadhvi sir had delivered occasionally speech. As well as Paper presentation by GUIDE and with KSKV Scientist . Total 70 participated had joint this webinar.

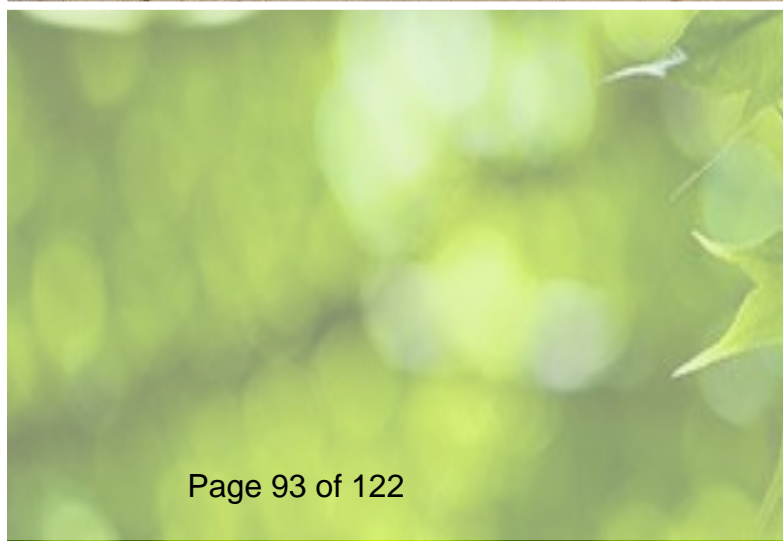


Events

World ocean day

World ocean day

World ocean day celebration on 8th June at Luni bandar with spreading cleanliness message through coastal cleaning program and aware about government scheme with maintaining of social distancing



My Mother's dream became true

Name: Mura Keshabhai Dhuva

Place: Khavda, Bhuj, Kutch, Gujarat

Employer: Alliance Hospital (Covid 19 hospital), Mundra, Kutch, Gujarat.

Job: Joined as Nursing Assistant.

Salary: Rs. Up to 9000/- per month with lodging and boarding facilities.

Candidate Brief:

He belongs to rural family. Father is Carpenter and mother is Home maker. Parental household's monthly income prior to his placement was Rs.8, 000. His prior educational qualifications is 12th pass.

In his own words:

My mother's dream is that one of the sons should be in medical field. But due to financial constraint, I couldn't study further. I thought I will never be able to fulfill my mother's dream but fortunately, I got opportunity to get trained under GDA course and soon after its completion, I got placement in hospital. I feel proud to serve Covid19 patients and will continue doing fearlessly.

Thanks to Adani Skill Development Centre to give me opportunity to take training under DDU-GKY scheme and make me capable to take care of my family.





It helped me to become good team member and work efficiently

Name: Nipul Punjabhai Sanjot

Place: Bidada-Mandvi, Kutch, Gujarat

Employer: Alliance Hospital (Covid 19 hospital), Mundra, Kutch, Gujarat.

Job: Joined as Nursing Assistant.

Salary: Rs. Up to 9000/- per month with lodging and boarding facilities.

Candidate Brief:

His father and mother works as helping staff (housekeepers) in another hospital. Monthly income of family prior to his placement was 10,000/-. His prior educational qualifications is 12th pass.

In his own words:

I am youngest in Covid19 hospital here but I know this is the time to act wise. When my friends ask me do you fear working as PCA? I simply laugh and say I am trained in GDA course and fully prepared for this work. My duty is to check patient's temperature, blood pressure and oxygen level and maintain record. We get residential facility nearby hospital. To Treat Covid19 patients, needs a courage and team work and I am blessed I got this wonderful chance. Thanks to Adani Skill Development Centre to give me opportunity to take training under DDU-GKY scheme and make me capable to take care of my family.

*When asked how confident he is at his new and challenging work, he replies
"Along with GDA training we were also trained with soft skills training as it helped me to become good team member and work efficiently."*

Stick at old ages

Dhanuba a self-esteem lady from Zarpara Village. While I peeped in her life it seems like that her existence is only to bear grief and sadness. Her husband was passed away before 20 Years since that she has been enduring social and economic responsibility of her family by drudgery daily wages. She have two daughter who are married and two sons who are supporting her for daily end meet, day was passed little more good combativelyWho knows it was for short times

Unfortunately one more shock in her life that her elder son get Heart attack and passed away & younger son got mentally ill again she have to drudgery to get them daily bread and butter... Though her daughters called her to lives with them but she denied strongly believed to don't be burden & belongs to daughter. Now she is 70 years old and physically weak and also get ill often.

One day she came to our Rural clinic for medical check-up and was talking with deep sigh & despair about her problem. Fortunately our Employee Mr. Karsanbhai was present at their and promptly talked with her and comprehend the reality. She could not availed benefit of widow pension scheme because of the certain government limitation even after numbers of time applied and Follow-up for the same. He went along with her and Collected the essential document and submitted to the respective department later within two month she received sanction order for the same and further Rs.1250 /- Widow pension has been started which been the great support for daily meet.

She and her daughters expressed great gratitude and said that Adani Foundation is hope For the Poor and needy persons.



"Vidyadan Mahadan"

Name: Sohil Gafur Manjaliya

Place: Luni ,Mundra

AF intervention:- Education Scholarship Support

Progress & Achievement:- Studied intently and perused Graduation Degree and process for LLB admission

Salary: Working with Lawyer as a practicenor and earn Rs. 8000/Month

Back Ground : He belongs to Poor Fishermen family and sincere to study since child hood. He belongs to Poor Fishermen family and sincere to study since child hood. His father is used to Pagadiya fishing practice to get the daily end meet.

In his own words:

In our community most of the youth left study after 8th standard and engaged in Fishing practice but when I had interacted with AF staff and persuaded for further study and Scholarship support. I realized that the only education can be the game changer to strengthen my Financial condition. Later I focused to study Intentionally and dreamed to be Lawyer.

Now am working with Advocate as Assistance and do Financially support to my family.

Indeed AF sensitized me and act as catalyst to transform my life than others really I am honored by friends and Society

Really AF Scholarship support intervention could be the Community transformation rather than Individual.



*The sewing machine
act as legs to made me
earned and confident
for my family*

Real Support

Name: Harkhumben hirabhai Rabari

Place: Jinjauu, Nakhtrana

AF intervention:- Sewing Machine Support.

Progress & Achievement:- Started Embroidery and sewing work

Income : Rs.2500 to 3000/Month

Back Ground : She is 40 year old lady and disable by polio in childhood. They are five members three Children and Husband wife. Her husband is driver and the only person to earn hence financial problem is always remain host. However She is illiterate & handicapped but symbol of etiquette and dedication. She always thought to be financial Supporter to her life partner . As belongs to Rabari community stitching & hand work is imbibed in her and she want to purchase Sewing machine for the same but Financial constrain did not allow them for same. During community interaction she express her willing sewing machine support. we met her and after verification Support accordingly.

In his own words:

It was difficult to me as house wife to maintain budget but since I have started sewing work which added some extra money which can we expence for our children nurturing and education for their bright future.

Thanks to Adani foundation to be supporter to such disable persons

Sea of Change – I got a job

Manjaliya Jakum Osman is 36 years old Fishermen Youth though he was little dull in study but has insight sense and dedication to work. After completion of primary education he had been engaged in fishing practice with his father. Though he was earning but not enough to sustain his big family with Five Daughters .

He was always thinking to get hike and asking to provide work according to his skill like driving ,electrician and painting work.

One day we offer him contract work in our dry cargo department for loading Unloading work. He started enthusiastically with 30 Labors teams and paid 100% Efforts to fetch the targets but.....Unfortunately he had to left contract due to some constrain.

Again he engaged in fishing as routine but destiny define another for him. we had called From APSEZ to need Casual labors and referenced for Jakum as having Good feedback for dedication toward work.

he accepted opportunity even did not know the process. Initially We supported for gate pass and other mandatory formalities. Currently 22 Fishermen youth are working under him.

He is saying that I am earning Approx Rs.40000/Month. And message to Fishermen youth that I am grateful to AF to provide chance to proof my self and sustaining well. now I can Fulfill all basic amenities and invest to my daughter education.

He message to Fishermen Youth that we have great Opportunity as having ADANI port and companies to get employed.



Media coverage



જીવન સાથે જીવનનિર્વાહની સામર્થવાન કામગીરી કરતું: અદાણી ફાઉન્ડેશન

(પ્રેસ રીલીઝ) મુંદરા તા. ૧૨
આજે અદાણી ફાઉન્ડેશન ૧૮
રાજ્યમાં ૨૨૫૦ ગામડાઓ સુધી
લોક કલ્યાણ અર્થે કામ કરી રહ્યું છે.
અદાણી ફાઉન્ડેશન કચ્છ જિલ્લામાં
પણ સુસંગત, વ્યવસ્થિત રીતે,
સમાજ ઉપયોગી કામગીરી કરવા
હંમેશા તત્પર રહ્યું છે. તેની
કામગીરી સહીયારા મૂલ્યની
વિભાવનાથી પ્રેરિત છે. જેમાં
અદાણી ફાઉન્ડેશન સમાજ માટે
સર્વસમાવેશક વાતાવરણ ઉઠાવવા
ઉત્સુક છે, તેના આ કાર્યની સાથિતી
મુંદરાના લાભાર્થી પરિવારો પૂરી
પાડે છે.

અદાણી ફાઉન્ડેશન દ્વારા દેશના ૧૮ રાજ્યમાં ૨,૨૫૦ ગામડાઓમાં કરવામાં આવેલ લોક કલ્યાણના વિવિધ કાર્યો : મુંદરા તાલુકાના ૨૨ ગામોને સેનીટાઈઝ કરવામાં આવ્ય અસરગ્રસ્ત પરિવારોને ૧૦,૦૦૦ જેટલી રાશન કીટનું વિતરણ

જેટલી રાશન કીટનું વિતરણ કરવામાં આવ્યું છે તથા આ કામગીરી હમણાં પણ ચાલી રહી છે. આવશ્યક સેવાના ભાગરૂપે અદાણી પોર્ટ અને વિભારના સહયોગથી ત્યાં કામ કરતા કામદારો અને ડ્રાઈવરોને દૈનિક બે ટાઈમ અંદાજિત ૫,૨૦૦ આપતાં સુપોષક પ્રોજેક્ટની “સંગીની બહેનો” કોવિડ ૧૯થી બચવા હેલ્થ હાઈજિનની સચોટ માહિતી દરેકને અને ખાસ કરીને પ્રસૂતા બહેનોને આપવામાં આવે છે. છેલ્લા સાત વર્ષથી સફળ રીતે કાર્યરત “આવાજ દે” સોફ્ટવેર પ્રતિકારક શક્તિ વધારવા માટેના જરૂરી ખોરાકની માહિતી પણ વર્ચ્યુઅલ પ્લેટફોર્મ દ્વારા આપવામાં આવે છે. આ સાથે અન્ય રોગથી પીડાતા દર્દીઓને ઘરે ફોન કરીને નિયમિત દવા લેવા અને ઘરની બહાર ન નીકળવા માટે અનુરોધ



અદાણી ફાઉન્ડેશને મુંદરાના વલ્લભ વિદ્યાલયનાં ૮૦૦ બાળકને દત્તક લીધાં
મુંદરા, તા. ૨ : અદાણી ફાઉન્ડેશન દ્વારા વલ્લભ વિદ્યાલયના ૮૦૦ બાળકોને દત્તક લેવામાં આવે છે. આજે સાંચિવિદ્યાર્થીઓ અદાણી કંપનીના કર્મચારીઓ દ્વારા અભ્યાસ કરતાં બાળકોને દત્તક લેવાનું કાર્ય છેલ્લા બે વર્ષથી ચાલુ છે. આજે સાંચિવિદ્યાર્થીઓ અદાણી કંપનીના કર્મચારીઓ દ્વારા અભ્યાસ કરતાં બાળકોને દત્તક લેવાનું કાર્ય છેલ્લા બે વર્ષથી ચાલુ છે. આજે સાંચિવિદ્યાર્થીઓ અદાણી કંપનીના કર્મચારીઓ દ્વારા અભ્યાસ કરતાં બાળકોને દત્તક લેવાનું કાર્ય છેલ્લા બે વર્ષથી ચાલુ છે.

નર્સિંગ કોર્સના ૨૦ તાલીમાર્થીઓને પ્રમાણપત્ર પહેલા જ નોકરી મળી

ભુજમાં અદાણી સ્કિલ ડેવલોપમેન્ટ દ્વારા અપાઈ હતી તાલીમ
કચ્છમાં જરૂરિયાત મુજબ નિમણુક અપાવવામાં પ્લેસમેન્ટ ઓફિસર નિરવ લેઉવા, કિન્નરી ઉમરાણીયા તથા રોહન સોની મદદરૂપ થયા હતા.
તાલીમ માટે અસ્મિતાબેન જેઠી અને પૂર્વી ગોસ્વામી સહાયરૂપ થયા હતા. હજુ પણ જરૂરિયાત મુજબ પ્રયત્નો કરવામાં આવી રહ્યા છે.
અત્રે ઉલ્લેખનીય છે કે, ગયા ઓક્ટોબર-૧૯માં બેચ શરૂ થઈ હતી. પરંતુ, લોકડાઉન આવી જતા પરીણા લઈ શકાઈ નહોતી છતાં ફળ મળ્યું છે.



ભુજીમાં સમુદ્ર સફાઈ અભિયાન હાથ ધરાયું
ભુજ, તા. ૧૨ : ભુજના સમુદ્ર કાંઠા પર અદાણી ફાઉન્ડેશન દ્વારા સમુદ્ર સફાઈ અભિયાન હાથ ધરાયું. આ અભિયાનમાં ભુજના સમુદ્ર કાંઠા પર અદાણી ફાઉન્ડેશન દ્વારા સમુદ્ર સફાઈ અભિયાન હાથ ધરાયું. આ અભિયાનમાં ભુજના સમુદ્ર કાંઠા પર અદાણી ફાઉન્ડેશન દ્વારા સમુદ્ર સફાઈ અભિયાન હાથ ધરાયું.

ખારેક, દાડમ અને કેરીના ગ્રોડિંગ, ક્લીનિંગ અને પેકિંગ માટે ખાસ વ્યવસ્થા ઉભી કરાશે

મુંદરાના ૧૧ ગામોના ખેડૂતોના ઉત્થાન માટે ‘કચ્છ કલ્પતરૂ પ્રોડ્યુસર કંપની લિ.’ એગ્રોમોલ બનાવશે !



માસિક એ શારીરિક પ્રક્રિયા હોવાથી અપવિત્રતા સાથે ન જોડો અદાણી ફાઉન્ડેશન દ્વારા રાષ્ટ્રીય માસિક સ્ત્રાવ સ્વચ્છતા દિવસની ઉજવણી કરાઈ
ગત તા. ૨૮મેના રાષ્ટ્રીય માસિક સ્ત્રાવ સ્વચ્છતા દિવસની અદાણી ફાઉન્ડેશન દ્વારા ઉજવણી કરવામાં આવી હતી. આ પ્રસંગે આમ સરે જાગૃતિ અભિયાન છેડતા માસિક એ શારીરિક પ્રક્રિયા હોવાથી તેને અપવિત્રતા સાથે ન જોડતા આ સમયગાળા દરમિયાન મહિલાઓ પરત્વે ભેદભાવ નહીં રાખવા

● અદાણી ફાઉન્ડેશનનો સહયોગ અને ડાયરેક્ટરો સમન્વય થકી ઘરતીપુત્રોને કૃષિ ક્ષેત્રે મળશે સારા.
● ઓક્ટોબરના અંત સુધીમાં ૨૦૦ સભાસદોને મુંદરા તાલુકાના ૮ ગામોના ૩૪ ખેડૂતોને બારહી ખારેકના ટીસ્યુક્લર રોપાઓનું વિતરણ કરાયું

ખારેક બજાર વ્યવસ્થા માટે કચ્છ-કલ્પ તરુ પ્રોડ્યુસર કંપની બનાવશે : અદાણી ફાઉ. દ્વારા આયોજન

મુંદરા : તાલુકાના જુદા જુદા ૮ ગામોમાં ખારેક સમિતિ મુંદરા અને અદાણી ફાઉન્ડેશનના સંયુક્ત પ્રયાસથી ખારેક વાવતા ખેડૂતોને જરૂરી વળતર મળે એ હેતુસર બારહી ખારેકના ૮૫૦ ટીસ્યુક્લર રોપાઓનું ૩૪ ખેડૂતોને વિતરણ કરવામાં આવ્યું હતું, તો બીજી તરફ ખેડૂતોના આ ઉત્પાદનની બજાર વ્યવસ્થા માટે કચ્છ - કલ્પ તરુ પ્રોડ્યુસર કંપની બનાવવાની કાર્યવાહી શરૂ

ભુજપુર આસપાસ ૨૩ લાખના ખર્ચે વિવિધ વિકાસકામો સંપન્ન : ખાનગી કંપનીનો સહયોગ
ભુજપુર (તા. મુંદરા), તા. ૧૨ : મુંદરા તાલુકાના કી વિભાગમાં મહત્વના ભુજપુર ગામની આસપાસ ખાજુ વાકરાઈ વાડી વિભાગમાં અગાઉ ચાલત કામમાં તથાવ મનેયું હતું, પરંતુ એ તથાવમાં પાણીનો સંગ્રહ ઓછો થતો હતો. જો પાણીનો સંગ્રહ વધુ થાય તો જ આ વિભાગમાં આવેલી વાડીઓ પાણીના પ્રદેશ ચાલત મળી સ તેથી યાજત હતી. જે અદાણી ફાઉ. દ્વારા પૂરી કરી અપાઈ છે. અહિંની નાગમની નળિ આવતું વરસાદી પાણી આ તથાવમાં જઈ જવાય એ મા ખેડૂત અમલકી નારાણભા મુખાર સામ્રાજ અને સરખ નિઃશુલ્ક ઓનલાઈન અભ્યાસક્રમ તાલીમાર્થીઓ ઓનલાઈન જોડાયા છે. તાલીમ ૫૦ દિવસ સુધી ચાલશે. રોજ બે કલાક ચાલતી આ તાલીમમાં હજુ પણ કચ્છાથી કોઈ જોડાવા ઇચ્છુક



We Salute to Corona Warrior Staff of Adani GKGH, Adani Hospital Mundra, Community Health Staff and team....

Our fight against Corona is still continue with new hope and dreams.....

Adani Foundation-Mundra : Budget F.Y. 2020-21**Executive Summary : Budget Utilization Statement-April to September.2020****F.Y. 2020-21 (Rs. In Lacs)**

Sr. No.	Budget Line Item	Budget 2020-21	Budget Utilization	% of utilization	Remarks
A.	Admin Expense	61.10	24.07	39.39%	
B.	Education	94.56	25.11	26.55%	
B1	Utthan-Education -Mundra	64.11	24.16	37.68%	
B2	Education -Fisherfolk - Balwadi	30.45	0.95	3.12%	
C.	Community Health	420.70	95.29	22.65%	
D.	Sustainable Livelihood Development	365.00	171.83	47.08%	
E.	Community Infrastructure Development	58.30	7.81	13.40%	
F.	EDM Recommended Projects	60.00	1.38	2.30%	
G.	COVID 19 Support	100.00	23.05	23.05%	
Total AF CSR Budget :		1,159.66	348.54	30.06%	
H.	Adani Vidya Mandir-Bhadreshwar	219.67	42.24	19.23%	
I.	Project Udaan-Mundra	50.00	25.92	51.84%	
GRAND TOTAL BUDGET F.Y. 2020-21 :		1,429.33	416.70	29.15%	



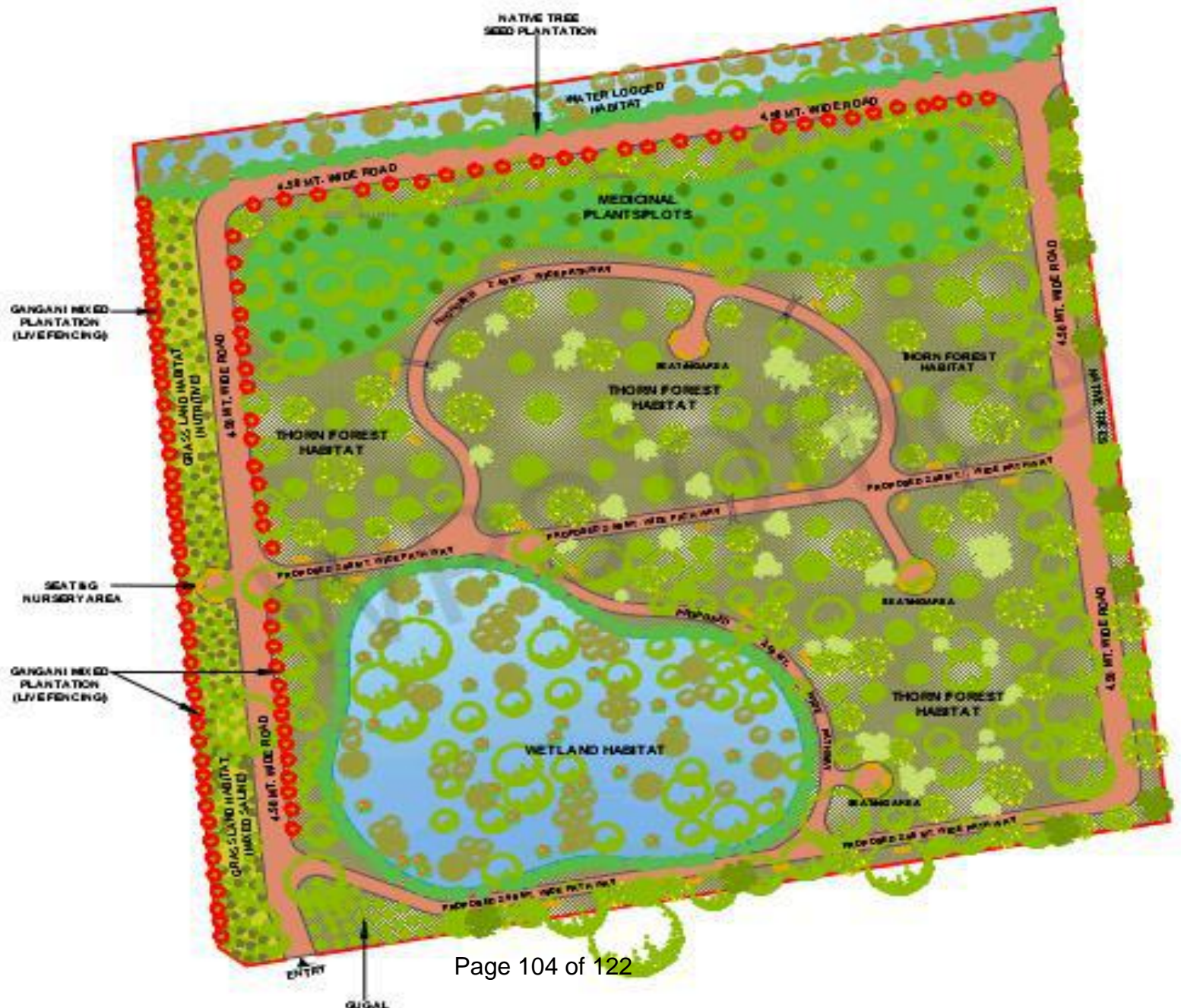
Development of Biodiversity Park

at

Nandi Sarovar

Mundra- Kachchh

Proposed Plan Layout for Biodiversity Park



Collection of Baseline Data

PRE MONSOON SURVEY

- 78 Species (under 34 Families and 71 Genera)
- 384 TREES
- 50% plant species are herbs, followed by trees (31%) and grasses (11%).

POST MONSOON SURVEY

- 25 New NATIVE Species added in List
- 48 SPECIES are planted including 6-7 Saline Mixed Grasses

Site Clearing and Leveling



- *Before and after Lockdown*
- *Through Labors*
- *Through Machineries*
- *Prosopis juliflora*, debris and other waste



Nursery Beds and Purchasing Native Saplings (45+ Species)



Sr. No	Species Name	Social Forest Nursery, Dhunai	Normal Forest Nursery, Dhunai	Hightech Nursery, FD, Bhuj	Salvadora Green Nursery, Nakhtrana	Gov. Ayurveda Farm, Reldi	Pvt. Nursery, Adipur	Gulfarm Nursery, Bhuj	TOTAL
1	Manilkara hexandra (Rayan)				12				12
2	Azadirachta indica (Limdo)			10					10
3	Cordia allamanda (Liyar)				63				63
4	Acacia nilotica (Desi Bavar)			50	50				100
5	Pomegranatum (Dadam)			20					20
6	Psidium (Jamphal)	10							10
39	Withania somnifera (Ashwagandha)					14			14
40	Abrus precatorius (Chanathi)					10			10
41	Canna indica (Canna)						50	50	100
Total from Each Nursery		100	240	150	358	56	60	160	1124



7 Nurseries, 41 Species, 1124 Nos.

Collection and Purchased SEEDs (10+ Species)



- ❖ Vegetative cuttings of stem of drought resistant plant species like *Euphorbia caducifolia* (Tuar, Thor)
- ❖ Seeds of *Cassia auriculata* (Awar), *Acacia nilotica* (Desi Baval) and *Pongamia pinnata* (Karanj), from surrounding landscape.
- ❖ Seeds of *Grewia villosa* (Luska), *Premna sp.* (Kundher), *Gymnosporia montana* (Vikado), *Moringa oleifera* (Mitho Saragavo) are collected from wild area of Bhuj Taluka and
- ❖ Seeds of *Ziziphus mauritiana* (Bor) and *Salvadora oleoides* (Mithi Jar) are purchased from Koli communities of Repar taluka

Development of Grassland Habitat

More than 10 species planted: Mixed Saline, High Nutritive, Sedges etc.

More than 5 species are planted through roots-saplings from our site



Development of Wetland Habitat



Site composition	Species planted	Strategies
Waterlogged area	<i>Vitex negundo</i> (Nagod), <i>Salvadora persica</i> (Khari Jar), <i>Suaeda nudiflora</i> (Lano, Unt Morad)	Water preferable species, fast growing and saline tolerant; medicinal plant; attract many insects, butterflies during flowering.
Seepages with sewage water	<i>Canna indica</i> (Cana Plant)	Evergreen tuberous herb and helpful in water purification with control on sewage smell.
Dominant by sedges	<i>Cyperus scariosus</i> , <i>C. rotundens</i> and others	Soil binder and saline tolerant species and also preferable by many insects and butterflies.
Dominant by <i>Phragmites</i> sp. and other vegetation	Seed sowing of mix grasses collected from Banni grassland as part of gap filling along the boundary	Soil binder and saline tolerant-high nutritive species and also preferable by many insects and butterflies.
Dominant by <i>Sesbania bisponosa</i> and <i>Cyperus scariosus</i>	Seed sowing of mix grasses collected from Banni grassland as part of gap filling along the boundary; and also planted seeds of native thorny species available at sites for providing more shelter trees for birds	Soil binder and saline tolerant-high nutritive species and also preferable by many insects and butterflies. Native seed sowing of <i>Zizyphus mauritiana</i> (Bor), <i>Cassia auriculata</i> (Aavar), <i>Pongamia pinnata</i> (Karanj), <i>Acacia nilotica</i> (Deshi Bavar), <i>Salvadora oleiode</i> (Mithi Jar) etc.
Complete Dry area	<i>Caesalpinia crista</i> (Kachka)	Spiny straggling shrub, provide green and wild protection/live fencing; medicinal species

Development of Thorn Forest Habitat

Species Name	Local Name
<i>Cordia gharaf</i>	Liyar
<i>Acacia nilotica</i>	Desi Bavar
<i>Grewia tanax</i>	Gangani
<i>Commiphora wightii</i>	Gugal
<i>Prosopis cineraria</i>	Khijdo, Kandhi
<i>Pithecellobium dulce</i>	Goras Ambli
<i>Zizyphus mauritiana</i>	Bor
<i>Azadiractha indica</i>	Limdo
<i>Salvadora persica</i>	Khari Jar, Pilu

- Drought resistant, thorny and deep-rooted plants.

- Less requirement of water during summer season compared to other evergreen plant species.



Development of Medicinal Plants PLOTS

- **Increased density:** *Salvadora persica* (Khari Jar), *Moringra concensis* (Kadvo Sargavo), *Pithecellobium dulce* (Goras Amali), *Prosopis cineraria* (Kandhi), *Tecomella undulata* (Ragat Rohido), *Zizyphus mauritiana* (Bor), *Cordia dichotoma* (Gunda), *Salvadora oleoides* (Mithi Jar), *Holoptelea integrifolia* (Kanaji), *Punica granatum* (Dadam), *Acacia nilotica* (Desi Bavar), *Cordia gharaf* (Liyar).

- Between two small plots, we planted almost **12 medicinal plant species in block**



Development of Climbers and Live Hedges



- Wild climber species are planted i.e. *Tinospora cordifolia* (Garó), *Abrus precatorius* (Chanothi), *Argyreia nervosa* (Samudra Sosh) and *Asparagus racemosus* (Satavari).

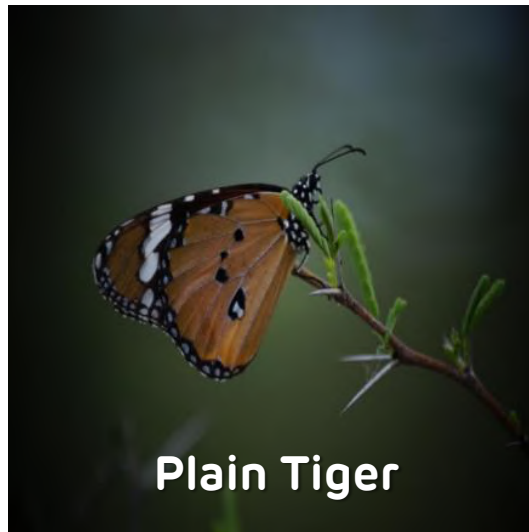
- Mainly FOUR species, i.e. *Acacia nilotica* (Deshi Bavar), *Pithecellobium dulce* (Goras Amali), *Grewia tenax* (Gangani) and *Euphorbia cuducifolia* (Tuar) for plantation are planted as LIVE FENCED



Diversity of Butterflies



Painted Lady



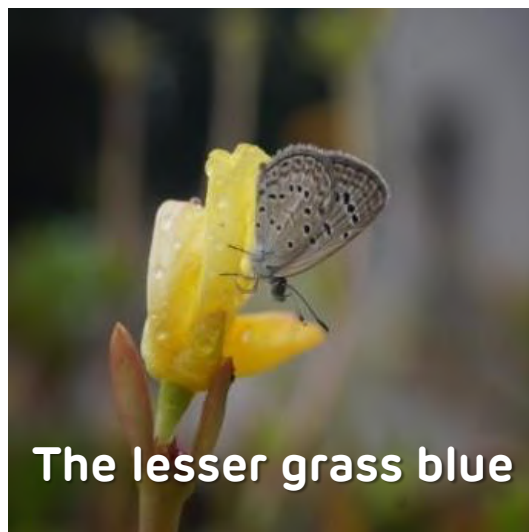
Plain Tiger



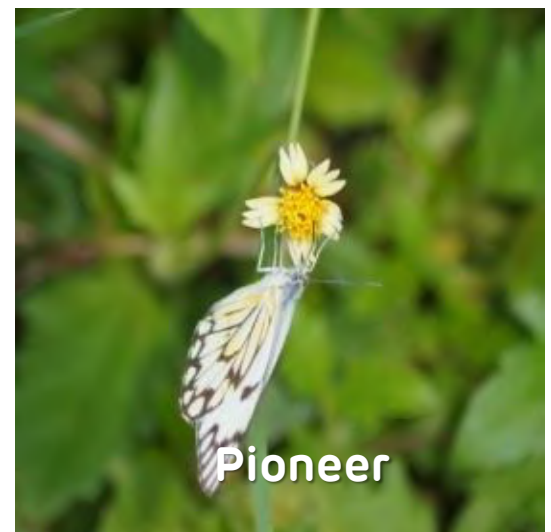
Pioneer



The plains Cupid



The lesser grass blue



Pioneer

Common Faunal Species



Dragon Fly



Red-wattled Lapwing



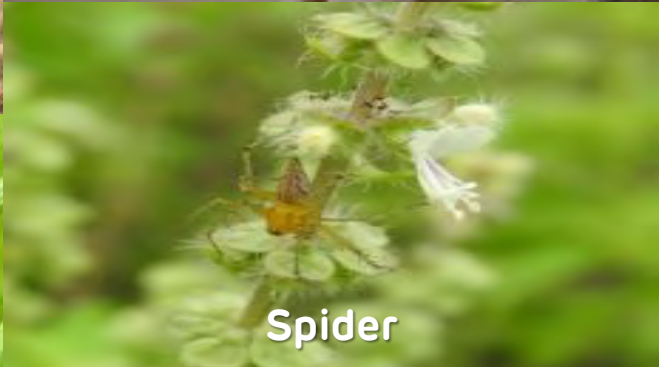
Garden lizard



Blue Bull- *Nilgai*



Beetle



Spider



Fan Throated Lizard

Celebration of Special Days...

Environment Day on 5th June 2020 and Van-Mahotsav on 6th July 2020

નંદી સરોવરમાં પાર્ક બનાવવાનું આયોજન
પ્રાગપર ગામે પાંચ એકરમાં
બાયોડાયવર્સિટી પાર્ક બનશે
અહિંસાધામ અને અદાણી ફાઉન્ડેશન દ્વારા આયોજન



। ભુજ । (સંદેશ પ્રતિનિધિ)

મુન્દ્રા તાલુકાનાં પ્રાગપર ખાતે અદાણી ફાઉન્ડેશન દ્વારા એન્કરવાલા અહિંસાધામ સંચાલિત નંદી સરોવર ખાતે આવેલા પાંચ એકર પ્લોટને બાયોડાયવર્સિટી (જૈવ વિવિધતા) પાર્ક તરીકે વિકસાવવામાં આવશે.

૧લી જુલાઈથી ૭ જુલાઈ સુધી યોજાયેલા વન મહોત્સવ અઠવાડિયા દરમિયાન પાંચ એકર પ્લોટમાં ૧૨૫૦ જેટલા ઔષધિ વનસ્પતિના રોપાંઓનું વાવેતર કરવામાં આવ્યું હતું. આ કાર્ય માટે ડ્રીપ પદ્ધતિ અપનાવવામાં આવી છે. આ વન મહોત્સવમાં અહિંસા ધામના સી.ઈ.ઓ. ગિરીશભાઈ નાગડા, અદાણી ફાઉન્ડેશનનાં હેડ પંક્તિબેન

શાહ તથા માવજીભાઈ બારૈયા, કરસનભાઈ ગઢવી, સહજીવન સંસ્થાના ડાયરેક્ટર ડૉ.પંકજભાઈ જોશીનાં હસ્તે વાવેતર કરવામાં આવ્યું હતું. મુન્દ્રા તાલુકાના ઝરપરા ગામની સરકારી હાઈસ્કૂલ અને સ્મશાનભૂમિ ખાતે પણ વૃક્ષારોપણ કરવામાં આવ્યું હતું. આ ઉપરાંત નખત્રાણા તાલુકાના ઉગેડી ગામે વન મહોત્સવ દરમિયાન વિવિધ રોપાંનું સરપંચ મીઠુભાઈનાં સહકારથી અદાણી ફાઉન્ડેશન દ્વારા કરવામાં આવ્યું હતું. સમગ્ર કાર્યક્રમનું આયોજન અને અમલીકરણ પ્રોજેક્ટ ઓફિસર કરસનભાઈ ગઢવી તથા તેમની ટીમ દ્વારા કરવામાં આવ્યું હતું.



Future Planning...

for discussion

- Landscaping, designing and seating arrangement at 2-3 Locations;
- Preparation of Signboards for Medicinal plants and selected Faunal Species;
- GAP Plantation of medicinal plants- MAKING DENSE PLOTS; and
- Compilation of Biodiversity Data: FLORA & FAUNA



Budget For Next Six Months

ACTIVITY	Proposed Budget Rs.	Accumulated Expenses	Available Balance Rs.
Layout and Designing of BD Park	40,000	0	40,000
Saplings , Seeds Purchasing	1,06,230	65,578	40,652
Travel Cost Including TEDE	1,25,200	54,097	71,103
H.R.Cost Including Support Team	2,76,000	1,38,000	1,38,000
Overhead Cost	46,600	23,296	23,304
Total	5,94,030	2,80,971	3,13,059



THANK YOU...

Annexure – 7

DISTROMED KUTCHH SERVICES PRIVATE LIMITED

3, Swaminarayan Vanijya Sankul, Near Divya Bhaskar Office, Hospital Road,
Bhuj - 370001, Gujarat, India.

Phone: +91-2832 222210 **Mobile:** +91-6356222210

Email: distromedkutchh2014@gmail.com **Web:** www.distromedkutchh.com

CATEGORY WISE DAILY WASTE COLLECTION REPORT

Duration: 01-Sep-2020 to 30-Sep-2020

Report Date: 01-Oct-2020

HCF Name: ADANI HOSPITALS MUNDRA PVT. LTD - (Dr. ADANI HOSPITALS MUNDRA PVT. LTD)

Date	No. of Challan	Yellow		Red		Blue		White		Yellow_C		Total Waste	
		Begs	Waste	Begs	Waste	Begs	Waste	Begs	Waste	Begs	Waste	Begs	Waste
02-Sep-2020	8-1725	3	12.000	3	9.000	2	3.000	1	1.000	0	0.000	9	25.000
04-Sep-2020	8-1816	2	10.000	3	11.000	2	10.000	1	1.000	0	0.000	8	32.000
07-Sep-2020	8-1935	2	14.000	3	13.000	2	4.000	1	1.000	0	0.000	8	32.000
09-Sep-2020	8-2038	3	15.000	3	10.000	2	9.000	1	1.000	0	0.000	9	35.000
11-Sep-2020	8-2115	2	11.000	2	10.000	2	5.000	1	1.000	0	0.000	7	27.000
14-Sep-2020	8-1-0044	4	20.000	4	20.000	3	12.000	1	2.000	0	0.000	12	54.000
16-Sep-2020	8-1-0148	3	10.000	4	12.000	2	5.000	1	2.000	0	0.000	10	29.000
18-Sep-2020	8-1-0229	2	10.000	3	10.000	2	12.000	1	1.000	0	0.000	8	33.000
21-Sep-2020	8-1-0361	4	18.000	4	16.000	1	3.000	0	0.000	0	0.000	9	37.000
23-Sep-2020	8-1-0467	3	8.000	3	8.000	2	6.000	1	1.000	0	0.000	9	23.000
25-Sep-2020	8-1-0549	3	9.000	2	8.000	0	0.000	0	0.000	0	0.000	5	17.000
28-Sep-2020	8-1-0682	4	30.000	2	7.500	2	8.000	1	2.000	0	0.000	9	47.500
30-Sep-2020	8-1-0793	3	15.000	3	15.000	2	12.000	1	2.000	0	0.000	9	44.000
TOTAL	13	38.00	182.000	39	149.500	24	89.000	11	15.000	0	0.000	112	435.500

Annexure – 8

Details of Greenbelt Development at APSEZ, Mundra

LOCATION	Total Green Zone Detail Till Up to Sep - 2020				
	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	70.81	33920.00	7962.00	69426.00	92791.00
PORT & NON SEZ	81.51	149192.00	19220.00	75061.78	61982.38
SEZ	116.60	227120.00	20489.00	220583.60	28162.03
MITAP	2.48	8168.00	33.00	3340.00	4036.00
WEST PORT	94.47	210022.00	63331.00	24112.00	22854.15
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.45	27530.00	3470.00	3882.00	3327.26
Samudra Township	56.03	53922.00	11834.00	20908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976.00	--	--	--
TOTAL (APSEZL)	469.05	755094.00	127671.00	422714.27	262794.33
		882765.00			

Annexure – 9

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2018 – 19	2019 – 20	2020 – 21 (Till Sep'20)	2020 – 21
1.	Environmental Study / Audit and Consultancy	6.7	0.33	2.0	51.0
2.	Legal & Statutory Expenses	4.42	0.84	10.09	11.0
3.	Environmental Monitoring Services	20.36	21.74	8.46	30.0
4.	Hazardous / Non Hazardous Waste Management & Disposal	95.72	108.43	44.34	119.8
5.	Environment Days Celebration and Advertisement / Business development	0.28	1.5	0.94	10.0
6.	Treatment and Disposal of Bio-Medical Waste	1.21	1.62	1.08	1.68
7.	Mangrove Plantation, Monitoring & Conservation	47.0	Nil	Nil	Nil
8.	Other Horticulture Expenses	579.32	734.18	490	910
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	144.29	110.18	81.09	160.08
10.	Expenditure of Environment Dept. (Apart from above head)	109.28	105.13	41.44	107.44
Total		1008.58	1083.95	679.44	1401.0