

## Bhagwat Swaroop Sharma

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**From:** Bhagwat Swaroop Sharma  
**Sent:** Monday, May 30, 2022 12:11 PM  
**To:** iro.gandhingr-mefcc@gov.in; ecompliance-guj@gov.in  
**Cc:** ec-rdw.cpcb@gov.in; ro-gpcb-kute@gujarat.gov.in; ms-gpcb@gujarat.gov.in; direnv@gujarat.gov.in; Snehal Jariwala  
**Subject:** Half Yearly EC Compliance Report CETP Submission for Period Oct'21 to Mar'22  
**Attachments:** 7. EC Compliance Report\_MUL CETP-2010\_Oct'21 to Mar'22.pdf



Ports and  
Logistics

APSEZL/EnvCell/2022-23/023

Date: 27.05.2022

To

**The Inspector General of Forest / Scientist C,**  
Integrated Regional Office (IRO),  
Ministry of Environment, Forest and Climate Change,  
Aranya Bhawan, A Wing, Room No. 409,  
Near CH 3 Circle, Sector – 10A,  
Gandhinagar – 382007.

E-mail: [ecompliance-guj@gov.in](mailto:ecompliance-guj@gov.in), [iro.gandhingr-mefcc@gov.in](mailto:iro.gandhingr-mefcc@gov.in)

**Sub** : Half yearly Compliance report for Environment Clearance for the "Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Survey no. 141 (part), village: Mundra, taluka; Mundra, Dist. Kutch, by M/s. MPSEZ Utilities Pvt. Ltd."

**Ref** : Environment clearance granted MPSEZ Utilities Pvt. Ltd. vide letter dated 20<sup>th</sup> February, 2010 bearing SEIAA letter no. SEIAA/GUJ/EC/7(h)/43/2010.

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 October-2021 to March-2022 is being submitted through soft copy (e-mail communication & CD).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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

Douglas Charles Smith  
Chief Executive Officer  
Mundra & Tuna Port

Encl: As above

Thanks & Regards,

**Bhagwat Swaroop Sharma**  
Sr. Manager - Environment  
Mundra & Tuna port

**Adani Ports & Special Economic Zone Ltd.**

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Chief Executive Officer  
Mundra & Tuna Port

Encl: As above

Copy to:

- 1) The Zonal Officer, Regional Office, CPCB – Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023.
- ✓ 2) The Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382010.
- 3) The Member Secretary, SEIAA, Gujarat, Paryavaran Bhavan, GPCB, Sector 10 A, Gandhi Nagar – 382010.
- 4) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201.

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21/06/2022  
Gujarat Pollution Control Board  
Head Office  
Sector No. 10-A,  
Gandhinagar-382010



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Logistics

APSEZL/EnvCell/2022-23/023

Date: 27.05.2022

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Adani Ports and Special Economic Zone Ltd  
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# Environmental Clearance Compliance Report

of



Common Effluent Treatment Plant,  
Mundra, Dist. Kutch, Gujarat

of

**MPSEZ Utilities Limited (CETP)**  
(Formerly MPSEZ Utilities Pvt. Ltd.)

for  
Period:

October-2021 to March-2022

	<b>MPSEZ Utilities Ltd., Mundra. (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

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# **Compliance Report of Environment Clearance**

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

- The name of the company has been changed from **MPSEZ Utilities Pvt. Ltd. (MUPL)** to **MPSEZ Utilities Limited (MUL)** and w.e.f. 16<sup>th</sup> June, 2020 with business need. The letter to change the name in statutory clearance has been submitted to all the concerned authorities.
- GPCB has granted CC&A-Amendment letter vide ref. no. PC/CCA-KUTCH-644(5)/GPCB ID: 10605/573949 dated 26.11.2020 for name change of unit from **MPSEZ Utilities Pvt. Ltd. (MUPL)** to **MPSEZ Utilities Limited (MUL)**. Details were submitted along with half yearly EC compliance report for the period Oct'20 to Mar'21.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Half yearly Compliance report for Environment Clearance for the for the project "Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra, Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP) issued vide letter no. SEIAA/GUJ/EC/7(h)/43/2010 dated 20<sup>th</sup> February, 2010.

Sr. No.	Conditions	Compliance Status as on 31-03-2022
<b>A. Specific Conditions</b>		
1	The MUPL shall conduct a study, every year for initial three years and thereafter once in a three year, through the reputed institute or the Agricultural University to assess the impacts on soil and ground water quality, if any, due to application of treated effluent on land for plantation/ gardening and adopt the additional mitigation measures as may be suggested through such studies.	<p>Complied.</p> <p>Soil and ground water quality monitoring is being carried out through NABL / MoEF&amp;CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi twice in a year (Pre Monsoon &amp; Post Monsoon). Please refer <b>Annexure - 1</b> for detailed analysis reports. The detailed analysis reports of the same was submitted to GPCB. Copy of acknowledgement is attached as <b>Annexure-2</b>.</p> <p>Treated water is being utilized on land for horticulture / gardening purpose within CETP and APSEZ premises after achieving GPCB permissible norms only.</p>
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	<p>Complied.</p> <p>Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.</p> <p>Analysis reports are being submitted to GPCB every month and acknowledgement of last report (Mar'22) submitted to GPCB is attached as <b>Annexure - 3</b>.</p>
3	Industries having high pollution potential like dyes and dye intermediates, bulk drugs and intermediates, pesticides etc. shall not be allowed in MPSEZL in	<p>Complied.</p> <p>Presently Textile, Chemical, Warehouse, Oil, Steel, CFS, Electronic and food products category industries are available in SEZ area.</p> <p>At present there is no such industry within APSEZ as</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	such proportion that effluent received at the CETP always meets with the inlet norms.	mentioned in the condition.  Inlet norms of effluent for CETP are mentioned at specific condition no. 6. Effluents from any industry are allowed only if they comply with inlet norms of CETP.
4	Fresh water requirement for the CETP shall be 100 KL/day, which shall be sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water shall be tapped for the project.	Complied.  The average fresh water requirement for CETP is 6.5 KL/Day during the compliance period, which is being sourced through Gujarat Water Infrastructure Ltd. (GWIL) and Desalination plant of APSEZ. No ground water is being tapped.  Details of water consumption are given as <b>Annexure - 4</b> .
5	The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).	Complied.  The average quantity of effluent & sewage received in CETP from member units as well as sewage from Mundra village was 669 KL/Day and treated water discharge from the CETP 665 KL/Day respectively during FY 2021 – 2022. Present installed capacity of CETP is 2.5 MLD only which is higher than average inflow of effluent from member industries. Details on quantity received from industry and treated water discharge are attached as <b>Annexure - 4</b> .
6	The total quantity of effluent discharge (including industrial effluent and sewage overflow from septic tank – soak pit) from the member units shall not exceed 17000 KL/ Day (17 MLD) and it shall be conveyed through underground pipeline to the CETP for further treatment. The effluent discharge from the CETP member units (cluster or individual unit) shall confirm to the following CETP inlet norms framed	Complied.  The average quantity of effluent & sewage received in CETP from member units as well as sewage from Mundra village was 669 KL/Day and average treated water discharge from the CETP 665 KL/Day during Oct'21 to Mar'22.  There are only two member industries of CETP as on date for industrial effluent and four members units for domestic sewage including Mundra village as well as APSEZ common facility. Entire wastewater is being transferred through underground pipeline only. On avg. 665 KL/ Day treated water from CETP was reused for horticulture purpose during compliance period.  Monitoring and analysis of CETP inlet wastewater from each industry is carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD, BOD, Chlorides

**Status of the conditions stipulated in Environment Clearance**

Sr. No.	Conditions		Compliance Status as on 31-03-2022																																										
	by the MUPL:		and NH3-N. Analysis reports are being submitted to GPCB every month and analysis reports is attached as <b>Annexure – 3</b> .																																										
	Parameter	CETP inlet norm of MUPL	<p>Monitoring and analysis of CETP inlet wastewater is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi and the same is being submitted to GPCB every month. The analysis report of the same is attached as <b>Annexure – 3</b>. Summary of the same for duration from Oct'21 to Mar'22 is mentioned below.</p> <p><b>CETP Inlet:</b></p> <table><tr><th>TEST PARAMETERS</th><th>UNIT</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit\$</th></tr><tr><td>pH @ 27 ° C</td><td>--</td><td>7.42</td><td>7.74</td><td>7.63</td><td>6.5 – 8.5</td></tr><tr><td>Total Suspended Solids</td><td>mg/L</td><td>26</td><td>76</td><td>50.29</td><td>800</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>18.8</td><td>38.1</td><td>29.16</td><td>50</td></tr><tr><td>BOD (3 days at 27 OC)</td><td>mg/L</td><td>48</td><td>144</td><td>109.29</td><td>1000</td></tr><tr><td>COD</td><td>mg/L</td><td>169</td><td>608.1</td><td>483.27</td><td>2000</td></tr><tr><td>Total Dissolved Solids</td><td>mg/L</td><td>1268</td><td>2064</td><td>1766.86</td><td>2100</td></tr></table> <p><sup>\$</sup> as per CC&amp;A granted by GPCB</p> <p>Please refer <b>Annexure – 1</b> for detailed analysis reports.</p> <p>List of member units for industrial effluent as well as domestic sewage was submitted along with half yearly compliance report for the period Oct'19 to Mar'20. And there is no further change.</p> <p>MUL-CETP has also installed Continuous Effluent Quality Monitoring System (CEQMS) as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and details of the same was submitted to the MoEF&amp;CC along with half yearly compliance report April– 2016 to Sep – 2016.</p>	TEST PARAMETERS	UNIT	Min	Max	Average	Perm. Limit\$	pH @ 27 ° C	--	7.42	7.74	7.63	6.5 – 8.5	Total Suspended Solids	mg/L	26	76	50.29	800	Ammonical Nitrogen	mg/L	18.8	38.1	29.16	50	BOD (3 days at 27 OC)	mg/L	48	144	109.29	1000	COD	mg/L	169	608.1	483.27	2000	Total Dissolved Solids	mg/L	1268	2064	1766.86	2100
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	TDS	2100 mg/l																																											
	Oil & Grease	20 mg/l																																											
Phenolic Compounds	1 mg/l																																												
Cyanides	0.2 mg/l																																												
Fluorides	2 mg/l																																												
Sulphides	2 mg/l																																												
Ammonical Nitrogen	50 mg/l																																												
Copper	3 mg/l																																												
Nickel	3 mg/l																																												

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022															
7	The individual member unit will be required to achieve CETP inlet norms. If required, necessary treatment for removal of metals, ammonical nitrogen and other such parameters will be given by the individual units to meet the CETP inlet norms.	<p>Complied.</p> <p>Agreement is made with the industry to consider aspect of conformance with the CETP inlet norms. Effluent samples are tested for conformance of inlet norms of CETP as provided in specific condition no. 6 above. Currently two units have agreement to discharge their effluent to CETP. The detail for the same is as below.</p> <table><tr><th>Unit</th><th>ETP Capacity</th><th>Treatment Methodology</th><th>Average Water Discharge (Booking Quantity)</th></tr><tr><td>M/s Dorf Ketel Chemicals (I) Pvt. Ltd.</td><td>100 KLD</td><td>Primary &amp; Secondary Treatment</td><td>85 KLD</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>25 KLD</td></tr></table>				Unit	ETP Capacity	Treatment Methodology	Average Water Discharge (Booking Quantity)	M/s Dorf Ketel Chemicals (I) Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	85 KLD	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD
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M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD														
8	The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.	<p>Complied.</p> <p>The details for the same are provided in specific condition no 6 above.</p>															
9	Domestic wastewater shall be discharged into septic tank/ soak pit system by the individual member units and the overflow shall be conveyed to the CETP along with industrial effluent for its treatment. Domestic wastewater generated at the CETP will also be treated in the CETP.	<p>Complied.</p> <p>Sewage from member industries, APSEZ common facility and Mundra village is collected into collection tank, which is transferred to CETP at average rate of 669 KL/Day through pipeline.</p> <p>Average generation of domestic wastewater is ranging from 1.0 to 1.5 KL per day at the CETP and the same is being treated in the CETP itself along with other effluent.</p>															
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment	<p>Complied.</p> <p>MU L has established the adequate primary, secondary and</p>															

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2022																																										
	facilities to achieve the GPCB norms. The CETP shall be established in modules of 2.5 MLD to achieve the ultimate capacity of 17 MLD with the passage of time depending on the actual requirements as per development of the MPSEZL. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the GPCB norms.	<p>tertiary treatment facility to achieve the GPCB norms. Present installed capacity of CETP is 2.5 MLD.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'21 to Mar'22 is mentioned below.</p> <table><tr><th>CETP Outlet:Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit<sup>§</sup></th></tr><tr><td>pH</td><td>--</td><td>7.51</td><td>8.09</td><td>7.80</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>12.00</td><td>28.00</td><td>17.43</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>1384</td><td>2012</td><td>1769</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>68</td><td>104</td><td>90</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>15.00</td><td>26.00</td><td>22.86</td><td>100</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>3.20</td><td>5.80</td><td>4.10</td><td>50</td></tr></table> <p>§ as per CC&amp;A granted by GPCB</p> <p>Please refer <b>Annexure - 1</b> for detailed analysis reports. Approx. INR 14.31 Lakh is spent for all environmental monitoring activities during FY 2021 - 2022 for overall APSEZ, Mundra.</p> <p>MUL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB is also doing sampling and analysis of CETP inlet and outlet sample at every month and latest analysis report is attached as <b>Annexure - 5</b>, which shows that all the parameters are well within the permissible norms.</p>	CETP Outlet:Parameter	Unit	Min	Max	Average	Perm. Limit <sup>§</sup>	pH	--	7.51	8.09	7.80	6.0 – 9.0	SS	mg/L	12.00	28.00	17.43	100	TDS	mg/L	1384	2012	1769	2100	COD	mg/L	68	104	90	250	BOD	mg/L	15.00	26.00	22.86	100	Ammonical Nitrogen as NH3-N	mg/L	3.20	5.80	4.10	50
CETP Outlet:Parameter	Unit	Min	Max	Average	Perm. Limit <sup>§</sup>																																							
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BOD	mg/L	15.00	26.00	22.86	100																																							
Ammonical Nitrogen as NH3-N	mg/L	3.20	5.80	4.10	50																																							
11	The treated effluent from the CETP conforming to the GPCB norms shall be utilized for plantation / gardening within the SEZ	<p>Complied.</p> <p>Average 665 KL/Day treated water was used for plantation/gardening within the premises of CETP and other areas of Adani Ports and Special Economic Zone Limited</p>																																										

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	area of MPSEZL during non-rainy days whereas it shall be discharged to deep sea through outfall system of MPSEZL having CRZ permission during high rainy days.	<p>during the compliance period.</p> <p>Available horticulture / gardening area within CETP as well SEZ premises for utilization of treated water is 135.38 Ha.</p>
12	Well-designed effluent distribution network with sprinklers / drip pipes shall be provided for proper utilization of treated effluent for plantation / gardening.	<p>Complied.</p> <p>Drip irrigation system is provided for watering the green belt in the vicinity.</p>
13	The CETP shall have and use only one outlet for the discharge of its effluent and no effluent shall be discharged without requisite treatment and without meeting with the GPCB norms. Such outlet shall be kept near the front gate/ entrance of the CETP.	<p>Complied.</p> <p>Treated water from CETP is supplied through only one outlet for gardening purpose.</p> <p>MUL CETP has installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report April- 2016 to Sep - 2016.</p> <p>Quality of treated effluent from CETP meets with GPCB norms. Refer specific condition No. 10 for test result summery.</p> <p>Please refer <b>Annexure - 1 &amp; 5</b> showing quality of treated water during this compliance period.</p>
14	The MUPL shall instruct and make sure that each contributing member (cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go	<p>Complied.</p> <p>An agreement is made with the respective units to provide storage facility for retention.</p> <p>At present the industrial effluent from two units is received for treatment at the CETP. Both the units have storage tanks of 100 &amp; 50 KL, which is sufficient to store the effluent for at</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	to the CETP for further treatment by pumping through rising main.	least one day.
15	The MUPL shall give time slot to the contributing member units for discharge of effluent and implement a mechanism for ensuring that the member units adhere to the same.	<p>Complied.</p> <p>At present there are only two member industries of CETP for industrial effluent discharge and time slot has been given to each industry for discharging their industrial effluent.</p>
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	<p>Complied.</p> <p>MUL verifies the data of wastewater generation produced by the member units and matches with the inlet meter reading to make sure the entire effluent quantity is supplied to CETP.</p>
17	The MUPL shall be responsible for proper conveyance of effluent from their member units to the CETP. To distinguish the effluent conveyance pipelines from other pipelines, they should be coated with special colour. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member units.	<p>Complied.</p> <p>Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units.</p> <p>Daily monitoring of effluent conveyance pipeline and regular maintenance of pump, valve and panel is carried out. Periodical maintenance is carried out to avoid leakage.</p>
18	Magnetic flow meters shall be provided at the inlet and outlet of the CETP as well as ETP outlets of the CETP member units and records for the same shall	<p>Complied.</p> <p>Magnetic flow meters to maintain the record of quantity of raw effluent and treated effluent have been provided at inlet and outlet of CETP.</p> <p>Records of quantity received from industry and treated</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2022
	be maintained and submitted regularly.	discharge are attached as <b>Annexure – 4.</b>
19	The MUPL shall also install pH sensor solenoid valve with alarm device at the inlet of equalization tanks. Emergency tank shall be provided at the CETP for diverting effluent with the CETP inlet norms, in case of unforeseen circumstances.	<p>Complied.</p> <p>pH meter is provided at CETP inlet, equalization tank and neutralization tank for continuous monitoring of pH.</p> <p>Equalisation tank having capacity of 1700 KL is capable to take care of unforeseen circumstances.</p> <p>However, MUL has also installed lock-arrangement system valves at the effluent discharge outlet of member units to ensure effluent quality within CETP inlet norms. Analysis of effluent is being carried out before discharging to verify that effluent is meeting with GPCB permissible norms or not. The CETP can receive effluent from member unit only after achieving CETP inlet norms. Analysis reports of each member unit is being submitted the GPCB on monthly basis.</p> <p>One equalization tank can be kept as standby tank for diverting effluent not meeting with the CETP inlet norms, in case of unforeseen circumstances. A stand-by storage tank of adequate capacity is also provided with member units which is sufficient to store the effluent for at least one day in such circumstances.</p>
20	The MUPL shall also install pH sensor with alarm device at final outlet to ensure that effluent being discharge is always neutral.	<p>Complied.</p> <p>MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters with alarm/alert system in case of exceedance. It is also connected with GPCB as well as CPCB server. Information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report Apr – 2016 to Sep – 2016.</p>
21	All the chemicals and nutrients which are required to be added / dosed in any CETP unit shall be added by using "Metering Pumps" only.	<p>Complied.</p> <p>Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and sodium hypochloride are provided with stand by pumps. Photographs showing the metering pumps attached as <b>Annexure -6.</b></p>
22	The MUPL shall not keep	Complied.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2022
	any bypass line or system, or loose or flexible pipe for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.	Treated water from CETP is supplied through only one outlet for gardening purpose and no bypass line or system, or loose/flexible pipe are provided for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.
23	The MUPL shall provide impervious tanks / HDPE tanks / impervious guard ponds to hold effluent for at least 48 hours in the case of either maintenance of the CETP or process disturbances and any untreated effluent shall never be discharged into the environment.	<p>Complied.</p> <p>Two nos. of Guard Ponds having RCC Structure with total capacity of 3000 KL for storage are available within CETP to ensure no untreated effluent discharge into environment.</p>
24	In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the CETP shall be installed, so that the CETP shall always be operated round the clock even in case of power failure.	<p>Complied.</p> <p>D.G. Set having 380 KVA capacity has been provided as stand-by which is equivalent to the power requirement to run CETP.</p>
25	The MUPL will maintain daily log books for the quantity and quality of effluent discharged by the member units, quantity and quality of inflow into the CETP, details of the treatment at each stage of the CETP including the chemicals used. MLSS/ MLVSS & DO concentrations in	<p>Complied.</p> <p>Logbooks containing all required information of operation &amp; maintenance are maintained. A copy of logbook is attached as <b>Annexure - 7</b>.</p> <p>Record of sludge generation and disposal is being maintained. CETP is designed having 2.5 MLD capacity, against that at present MUL has received only avg. 669 KLD effluent and sewage from member industries during compliance period.</p> <p>Total 27.35 MT sludge disposal was carried out through co-</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	<p>Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation / gardening, quantity and quality of effluent discharged to deep sea through outfall system of MPSEZL etc. Details of the member units failing to comply with the CETP inlet norms shall be submitted to the GPCB on regular basis.</p>	<p>processing at Ambuja Cement Ltd. Kodinar during the compliance period. Copy of manifest is attached as <b>Annexure - 8</b>.</p> <p>The sludge generated thereafter is stored in dedicated storage area and will be disposed in line with permission granted.</p> <p>MUL has obtained membership of common TSDF site M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau, which is valid till 17.12.2025. Details of the same were submitted along with half yearly EC Compliance report for the period Oct'20 to Mar'21.</p> <p>MUL has also done agreement with M/s. Ambuja Cement Ltd., Kodinar for co-processing of CETP sludge for energy recovery as an environment sound practice for disposal of hazardous waste in line with 5R (Reduce-Reuse-Recycle-Reprocessing-Recovery) principle. Details of the same were submitted along with half yearly EC Compliance report for the period Oct'20 to Mar'21.</p>
26	<p>The MUPL shall set up a full fledged laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.</p>	<p>Complied.</p> <p>Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP.</p> <p>Competent technical staff is deployed for monitoring and analysis of environmental parameters.</p>
27	<p>Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the GPCB on monthly basis.</p>	<p>Complied.</p> <p>Daily analysis data are being submitted to GPCB on monthly basis and proof showing the same is attached as <b>Annexure - 3</b>.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi.</p> <p>MUL has also installed Continuous Effluent Monitoring</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
		<p>System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB Sample analysis reports are attached as <b>Annexure - 5</b>, which shows that all the parameters are well within the permissible norms.</p> <p>Also refer Point no. 10 for further details.</p>
28	The company shall also have to submit every month, the analysis reports of the samples of effluent got collected and analysed by one of the recognized laboratories.	<p>Complied.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi. The reports of the same is also being submitted to the GPCB every month and latest monitoring report acknowledgement copy is attached as <b>Annexure - 3</b>.</p> <p>Monitoring report for the period from Oct'21 to Mar'22 is attached as <b>Annexure - 1</b>. Approx. INR 14.31 Lakh is spent for all environmental monitoring activities during FY 2021 - 2022 for overall APSEZ, Mundra.</p> <p>Also refer Point no. 10 &amp; 27 for further details.</p>
29	The third party inspection of the CETP with respect to the compliance of the norms shall be carried out through a reputed institute like NEERI, IIT, etc. once in a year and mitigation measures as may be suggested by such an institute shall be implemented in consultation with the Gujarat Pollution Control Board.	<p>Complied.</p> <p>Environment Audit is carried out on six monthly basis through reputed institute (Sch-I Auditor) approved by GPCB. Environment monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Last environment audit report was submitted vide letter dated 20.01.2022 and the GPCB acknowledgement copy is attached as <b>Annexure - 9</b>.</p>
30	The MUPL shall maintain accurate records of their	Complied.



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	member units in respect of quantity of each product manufactured, quantity of water consumption, quality of trade effluent, quantity of effluent generated, booked and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.	<p>Data regarding quantity and quality of effluent generated from member units are submitted to GPCB regularly and proof showing the same is attached as <b>Annexure – 3</b>.</p> <p>Details of Product manufactured, water consumption and wastewater generation are being submitted by individual units on monthly basis to the GPCB in form of monthly patrahs and its record are also being maintained by MUL. Details of the same are attached as <b>Annexure – 10</b>.</p>
31	Ground water quality shall be monitored on regular basis with piezometer bore wells at suitable locations in consultation with GPCB and its records shall be maintained. The monitored data along with interpretation shall be submitted at least once in six months.	<p>Complied.</p> <p>Bore-hole has been made at CETP main gate to check ground water quality and water level. No ground water contamination is evident as per the monitored data.</p> <p>Ground water sampling and analysis is being done on six monthly basis and its report is attached as <b>Annexure – 1</b>.</p>
32	Adequate stack height as per prevailing norms shall be provided to the D.G. Set. The flue gas emission from D.G. Set shall comply with the norms prescribed by the GPCB.	<p>Complied.</p> <p>At present there is only one D.G. set of having capacity of 380 KVA is used as stand-by. Adequate stack height of 8 meter has been provided to the said D.G. Set. There was no any main power failure during compliance period, so there was no need to operate the D.G. Set during such period. However flue gas emission monitoring from D.G. Set is being carried out on six monthly basis at the time of trial run and its report is attached as <b>Annexure – 1</b>.</p>
33	The ambient air quality shall be monitored in and around the CETP area and results shall be submitted to the GPCB. The locations for the ambient air quality monitoring shall be fixed	<p>Complied.</p> <p>Ambient Air Quality Monitoring station is established in consultation with GPCB. Third party analysis of the ambient air quality is being carried out on regular basis (twice in a week) by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022																														
	and reviewed in consultation with the GPCB.	<p>the same for duration from Oct'21 to Mar'22 is mentioned below.</p> <p><b>Monitoring Locations &amp; Frequency: 02 (Twice in a week)</b></p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit<sup>§</sup></th></tr><tr><td>PM<sub>10</sub></td><td>µg/m<sup>3</sup></td><td>46.38</td><td>95.43</td><td>73.97</td><td>100</td></tr><tr><td>PM<sub>2.5</sub></td><td>µg/m<sup>3</sup></td><td>16.56</td><td>51.53</td><td>33.61</td><td>60</td></tr><tr><td>SO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>6.69</td><td>28.45</td><td>17.27</td><td>80</td></tr><tr><td>NO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>17.68</td><td>45.35</td><td>27.29</td><td>80</td></tr></table> <p><sup>§</sup> as per NAAQ standards, 2009</p> <p>Please refer <b>Annexure – 1</b> for detailed analysis reports. Approx. INR 14.31 Lakh is spent for all environmental monitoring activities during FY 2021 - 2022 for overall APSEZ, Mundra.</p>	Parameter	Unit	Min	Max	Average	Perm. Limit <sup>§</sup>	PM <sub>10</sub>	µg/m <sup>3</sup>	46.38	95.43	73.97	100	PM <sub>2.5</sub>	µg/m <sup>3</sup>	16.56	51.53	33.61	60	SO <sub>2</sub>	µg/m <sup>3</sup>	6.69	28.45	17.27	80	NO <sub>2</sub>	µg/m <sup>3</sup>	17.68	45.35	27.29	80
Parameter	Unit	Min	Max	Average	Perm. Limit <sup>§</sup>																											
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NO <sub>2</sub>	µg/m <sup>3</sup>	17.68	45.35	27.29	80																											
34	The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p>Complied.</p> <p>MUL has been renewed its GPCB Authorization vide Order No. AWH – 113221 dated 10.06.2021, Valid up to: 07.04.2026 from GPCB, Gandhinagar. Copy of Renewed CC&amp;A was submitted during the last half yearly EC Compliance report Apr 21 to Sept 21.</p> <p>All the hazardous waste generated from premises is being disposed as per Hazardous &amp; Other Waste Rules – 2016.</p> <p>Please refer condition no. 25 for HW disposal details.</p>																														
35	CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied.</p> <p>Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.</p>																														
36	CETP waste shall be disposed at authorized	Complied.																														

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	<p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility or co-processing at cement industries. MUL have obtained membership with TSDF operator SEPPL, Bhachau as well as done agreement with M/s. Ambuja Cement Limited, Kodinar for the same.</p> <p>CETP is designed having 2.5 MLD capacities, against that at present MUL is receiving average 669 KLD effluents / sewage from member industries.</p> <p>Please refer condition no. 25 for further details.</p>
37	Discarded containers / drums / bags/ liners shall be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility or co-processing at cement industries.</p> <p>Please refer condition no. 25 for HW disposal details.</p>
38	Used oil shall be sold to the registered recyclers.	<p>Used Oil and Discarded Containers generation is not frequent in nature. As &amp; when generated, the same will be disposed by selling out to registered recycler / reprocessor.</p>
39	Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.	<p>Complied.</p> <p>Adequate hand rail are provided at CETP Tanks for fall protection.</p>
40	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.	<p>Complied.</p> <p>Safety measures like appropriate hand gloves, safety goggles, safety shoes, reflective jacket are provided. Photographs showing the same were submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p> <p>Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and Sodium Hypochlorite are provided with stand by pumps. Photographs showing the metering pumps attached as <b>Annexure -6</b>.</p>
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage.	<p>Complied</p> <p>There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical</p>

	<b>MPSEZ Utilities Ltd., Mundra (CTP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	Bund/dyke walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.	dosing.
42	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check-up of the workers and keeping its record etc.	<p>Complied.</p> <p>MUL CTP is subsidiary unit of Adani Ports and Special Economic Zone Limited. The Occupation Health Centre of APSEZ is accessible in case of emergency or regular medical check-up of workers. In addition, there is also a Multispecialty Hospital within the APSEZ area at a distance of approx. 3 Km from the CTP. Details of periodical medical examination report of the employees working in MUL – CTP are attached as <b>Annexure – 11</b>.</p>
43	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	<p>Complied.</p> <p>Personal protective equipments are provided to all workers and its usage is ensured and supervised regularly through site in-charge and safety department of APSEZ.</p>
44	First Aid Box shall be made readily available in adequate quantity.	<p>Complied.</p> <p>First aid box is available in CTP area. OHC of APSEZ maintains first aid box regularly.</p>
45	Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CTP operations.	<p>Complied.</p> <p>Regularly toolbox talk is being conducted at CTP for safety and health aspects of chemicals handling and CTP operations.</p>
46	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factory Act & Rules.	<p>Complied.</p> <p>Pre-employment and periodical medical examination is being carried out. There was no any new employment done during compliance period.</p> <p>Details of periodical medical examination report of the employees working in MUL – CTP are attached as <b>Annexure – 11</b>.</p> <p>Pre-employment and periodical medical examination is being carried out as per defined HR policy.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022																		
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	<p>Not Applicable</p> <p>No hazardous chemicals are transported during the compliance period.</p>																		
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	<p>Complied.</p> <p>Noise level monitoring is being carried out on monthly basis by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Surat and Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'21 to Mar'22 is mentioned below.</p> <p><b>Monitoring Locations &amp; Frequency: 02 (Once in a month – 24 Hourly)</b></p> <table><tr><th>Parameter</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Average</th><th>Leq Perm. Limit*</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>55.69</td><td>71.25</td><td>64.29</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>50.98</td><td>69.2</td><td>58.28</td><td>70</td></tr></table> <p>* As per CC&amp;A granted by GPCB</p> <p>Please refer compliance condition no. 32 for further details.</p> <p>Please refer <b>Annexure – 1</b> for detailed analysis reports. Approx. INR 14.31 Lakh is spent for all environmental monitoring activities during FY 2021 – 2022 for overall APSEZ, Mundra.</p>	Parameter	Unit	Leq Min	Leq Max	Leq Average	Leq Perm. Limit*	Day Time	dB(A)	55.69	71.25	64.29	75	Night Time	dB(A)	50.98	69.2	58.28	70
Parameter	Unit	Leq Min	Leq Max	Leq Average	Leq Perm. Limit*															
Day Time	dB(A)	55.69	71.25	64.29	75															
Night Time	dB(A)	50.98	69.2	58.28	70															
49	The MUPL shall develop green belt within premises as per the CPCB guidelines, preferably with local species, and shall submit an action plan of plantation for next three years to the GPCB.	<p>Complied.</p> <p>APSEZ has developed its own “Dept. of Horticulture” which is taking measures/ steps for terrestrial greening and developed 11.26 hectare of green belt with the density of 660 trees per hectare within CETP &amp; WTP premises. Total 7415 trees are planted within CETP &amp; WTP premises. So, far APSEZ have developed 486.19 ha. area as greenbelt with plantation 9.47 Lacs saplings within the APSEZ area.</p> <p>Details of the green belt development activity done by APSEZ Mundra are attached as <b>Annexure – 12</b>.</p>																		

#### B. General Conditions



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
50	GPCB will ensure while granting CTE to individual units that no industry of heavy pollution is allowed in such SEZ.	This point is applicable to GPCB.
51	Construction of the proposed CETP should be undertaken meticulously confirming to the existing central / local rules and regulations. All the construction designs/ drawing relating to the proposed construction activities must have approvals of the concerned State Government Department/Agencies.	<p>Already complied.</p> <p>Construction for 2.5 MLD CETP is completed and the same is in operation phase. There is no requirement for additional capacity of CETP as on date. Upon requirement of additional capacity, the new module of CETP will be constructed confirming to the applicable rules and regulations.</p>
52	In the event of the CETP's not functioning as proposed / breakdown of the CETP, the CETP member units shall be immediately intimated to stop discharging the effluent / to shut down their plants immediately. The effluent from the member units shall not be received at CETP until the desired efficiency of the CETP has been achieved.	<p>Point noted and agreed.</p> <p>CETP has functioned as per designed efficiency and meeting with GPCB discharge norms during the entire compliance period. Hence no such event to stop collecting the effluent is required.</p>
53	If the CETP fails to achieve the GPCB norms at its outlet; the individual units shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility	<p>Point noted and agreed.</p> <p>CETP is functioning with the designed efficiency and meeting with GPCB discharge norms during the entire compliance period.</p> <p>Individual members have their own ETPs which provides necessary treatment to achieve GPCB norms.</p>





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<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	to achieve the GPCB norms.	
54	The MUPL shall ensure that each & every member renews the agreement on / before expiry of said agreement and shall inform the GPCB about any unit not renewing within stipulated period. The MUPL shall immediately inform the Gujarat Pollution Control Board about termination/ suspension of the CETP membership of any member unit.	<p>Complied.</p> <p>The agreements are renewed before its expiry by the member units.</p> <p>No event of termination or suspension of the CETP membership has occurred during the compliance period of Oct'21 to Mar'22.</p>
55	The MUPL shall not allow any new member or enhance effluent quantity of existing members unless & until they have prior requisite permissions from competent authorities.	<p>Complied.</p> <p>MUL has been granted permission for receiving 1.5 MLD domestic sewage in to CETP for treatment from Mundra village from GPCB. Details were submitted along with half yearly EC compliance report for the period Oct'19 to Mar'20.</p> <p>MUL is allowing any new member or enhance effluent quantity of existing members, when they have prior requisite permissions from competent authorities.</p>
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.</p>
57	Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be	<p>Complied.</p> <p>Good housekeeping is being maintained within the CETP premises by the dedicated housekeeping staff.</p> <p>Leakages were attended and recorded in the MIS report of</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.	MUL. Details of all the maintenance work done during compliance period of Oct'21 to Mar'22 are attached as <b>Annexure – 13</b> .  No floor washing activity was carried out during the compliance period.
58	During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Point noted.  Effluent is being transferred to CETP by dedicated pipeline. No major accidental spillage has occurred during this compliance period.
59	Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.	Complied.  Effluent is being transferred by effluent transfer pipeline while for storm water, a separate storm water drain is provided in CETP which remains dry throughout the year except monsoon.
60	The MUPL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.	Complied.  No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well during this compliance period.
61	The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief	Complied.  APSEZL has a well-structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan at site. Site team report to Sr. Manager (Environment) at Corporate, who heads the Environment Management Cell who directly reports to the top management. Environment Management Cell Organogram were submitted as part of compliance report submission for

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2022				
	Executive of the company.	the duration of Apr'21 to Sep'21. And there is no further change.				
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	<p>Complied.</p> <p>Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget allocation is done accordingly. No separate bank account is maintained for the same however, all the expenses are recorded in advanced accounting system of the organization.</p> <p>Budget for environmental management measures (including horticulture) for the FY 2021-22 is to the tune of INR 1521.59 lakh. Out of which, Approx. INR 1371.79 lakh are spent during the year 2021-22 (till Sep'21). Detailed breakup of the expenditures for the past 3 years is attached as <b>Annexure - 14</b>.</p>				
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<p>Complied.</p> <p>MUL is Co-developer of APSEZ and APSEZ is actively working with local community around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation. Adani Foundation is working in main four persuasions as below.</p> <div><div></div>Education</div> <div><div></div>Community Health</div> <div><div></div>Rural Infrastructure</div> <div><div></div>Sustainability Livelihood</div> <p>Brief information about activities in the main four persuasions is mentioned below. Other than this, Adani Foundation has also worked for fight against COVID – 19 pandemic situations during this compliance period Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Fight Against COVID-19</td><td><ul style="list-style-type: none"><li>Started Covid care centre service at Samudra town ship to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment &amp; co-ordination.</li><li>AF team voluntary performed patients care and co-ordination duty at GKGH, Bhuj for 23 days.</li><li>AHMPL, Mundra was converted into Covid Hospital with 110 bed Facilities with oxygen to extend Covid</li></ul></td></tr></table>	Area	Activity	Fight Against COVID-19	<ul style="list-style-type: none"><li>Started Covid care centre service at Samudra town ship to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment &amp; co-ordination.</li><li>AF team voluntary performed patients care and co-ordination duty at GKGH, Bhuj for 23 days.</li><li>AHMPL, Mundra was converted into Covid Hospital with 110 bed Facilities with oxygen to extend Covid</li></ul>
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<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022	
			<p>medical treatment over community. All related coordination done by our team for more than 353 OPD and IPD.</p> <ul style="list-style-type: none"> <li>• Provided Oxygen Concentrator machines for Home isolated patients resulted in goodwill.</li> <li>• Provide Dead body van service to shift covid demise patients to Crematorium with all dignity.</li> <li>• Precautionary voice message dissemination through Away de voice message service Over Community.</li> <li>• Started Village Sanitizing activities and Ukalo, Vitamin C tablet distribution</li> </ul>
		Community Health	<ul style="list-style-type: none"> <li>• Mobile Heath Care Units and Rural Clinics</li> <li>• 12 Rural Clinics</li> <li>• 09 villages of Mundra, 03 villages of Anjar &amp; Mandvi block has benefited by rural clinic service.</li> <li>• Support to 1409 vulnerable patients.</li> <li>• 31 villages covered, with 94 types of general and lifesaving medicines through Mobile healthcare unit</li> <li>• 57420 patients direct &amp; 193661 patient indirect benefitted during FY 2021-22.</li> <li>• 344 patients are directly/indirectly benefitted by Dialysis support at various times with nominal charges at Adani Hospital.</li> <li>• 05 patient with critical &amp; severe condition has been supported for dialysis various time with nominal charges.</li> <li>• 1409 –Economically Challenged patients have been supported for operation, OPD, IPD, Medicines and lab-test.</li> <li>• For Preventive health care General and multispecialty camps Pediatric camp, General Health camps in 9 villages and Super specialist camp which benefitted more than 1100 patients of Mundra Taluka.</li> <li>• 154 Widows, Senior Citizens and Handicapped people linked with Government pension scheme</li> <li>• 16 Senior Citizens have been linked with Government Niradhar pension scheme, 34 senior Citizens linked up with Ayushman Yojana and 67 Senior Citizens were referred to GKGH Bhuj for chronic illness.</li> </ul>
		Sustainable Livelihood – Fisher folk, Agriculture & Women	<ul style="list-style-type: none"> <li>• 1031 families has benefitted by water supply at nine fisher folk vasahats under Machhimar Ajivika Uparjan Yojana.</li> <li>• Average 75 KL of water was supplied to 676 households at 5 fisherman vasahat on a daily basis under Machhimar Shudhh Jal Yojana and other 4 fisherman vasahat has linkaged with Narmada water through GWIL and Mundra Gram Panachayat from which 355 households get benefitted.</li> <li>• Engage more than 500 fisher folk youth in Skill Development Training to provide consistent scope of income.</li> <li>• 11604 fisherfolk direct or indirect benefitted with Education, Mangrove, Water and Livelihood.</li> </ul>

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Sr. No.	Conditions	Compliance Status as on 31-03-2022
		<ul style="list-style-type: none"> <li>• 39 Fisher Youth were interviewed in various industries among that 12 have been selected. Our target is to support 500+ Fisherman in alternative livelihood till March 2022.</li> <li>• Facilitation of Pagadiya Welfare scheme &amp; boat license sanction letter to 06 Fishermen. Till date 59 Form has been submitted to fisheries department, Bhuj for pagadiya and boat License.</li> <li>• During the Taukate cyclone fishermen family had been shifted to safe Places As well as support to disaster management team for advance preparation.</li> <li>• To promote Natural farming Adani Foundation has originated cow-based farming initiative with interconnected techniques which can increase farmer yield.</li> <li>• Survey and identification of farmers to adopt Natural farming-Total 150 Farmers were selected as criteria in first phase of the Project.</li> <li>• 23 Vermi compost unit have been set-up. Which is facilitated through Government with farmer Contribution.</li> <li>• 150 Farmers have started to preparing Jiva Mrut &amp; Gaukrupa Amrutam Bio-fertilizer and using in agri crop. Series of Training is arranged by ATMA and Adani Foundation.</li> <li>• Four Farmers Groups is registered with ATMA–Agricultural technology management Agency–it will leverage Government schemes.</li> <li>• Adani Foundation has also provided 117.11 lacs kg Dry Fodder and 89.00 lacs kg Green fodder in 29 villages of Mundra and Anjar Block to support the resource dependent villagers, to avoid their dependency on mangroves. The expenditure for fodder supporting activities was approx. 206.11 Lacs during FY 2021-22.</li> <li>• Adani Foundation provides Good Quality dry and green fodder to 24 Villages. Project is covering total 14116 Cattles / 3008 farmers and hence enhancing cattle productivity. Dry Fodder 895398 Kg Green – 2425230 Kg.</li> <li>• Fodder Cultivation-To made fodder sustain villages - 25 Acre Gauchar land of Siracha village is being cultivated for the same.</li> <li>• Current year for the dates Packaging and Marketing, KKPC Started to sell 10 Kg capacity packaging Box at Minimum Profit Margin At Rs.29/Boxes which resulted in turnover of Rs. 24 Lacs with Profit of 1 Lac. This initiative has supported more than 1800 farmers indirectly.</li> <li>• Dragon fruit farming is ongoing by five farmers each farmer is doing in 2 Acre farm –Total 11000 plants.</li> <li>• Skill Development and Income Generation –Adani Foundation is working with 15 Self-help group and supporting to develop entrepreneur skills to become self-reliant, sourcing more than 350 women to absorb in various job.</li> </ul>
	Education	<ul style="list-style-type: none"> <li>• The Virtual and Offline classes (Shrisikshan) with</li> </ul>

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Sr. No.	Conditions	Compliance Status as on 31-03-2022	
			<p>parents permission with all precautionary measures as Government Guide Lines. Its very encouraging that inspired by Our Sheri Sikshan Initiative-Gov Teachers also started same approach.</p> <ul style="list-style-type: none"> <li>• Online Outreach – 259 Students</li> <li>• Individual Home visit – 415 Students</li> <li>• Sheri sikshan and school students - 838 Students</li> <li>• Uthhan First phase 17 Schools and 2951 students were part of the program, and second phase 14 Schools and 1952 Students were part of the programme. Total 4903 students are getting benefit from Utthan.</li> <li>• Dedicatedly 80 hours provided for preparing JNV and NMMS examination. 19 number of students qualified for JNV and NMMS.</li> <li>• 100 hours capacity building programs for Utthan Sahayaks and school Teachers.</li> <li>• Total 394 webinar and capacity building program were arranged for Utthan Sahayaks and Government Officers.</li> <li>• Arranged Virtual Tour regarding Plastic Waste Management with Municipal Corporation, Surat and aware about waste Collection, Segregation, treatment and Disposal Process. Total 178 Students were participated for the same.</li> <li>• 473 underprivileged students of Fisherman &amp; Maldhari communities from 8 villages taking education at the Adani Vidya Mandir school.</li> <li>• Celebration of various days in villages school.</li> </ul>
	Rural Infrastructure & Environmental Sustainability		<p>Adani foundation designed and build various structure and provide service in the Health, Education, agriculture and sustainable livelihood area.</p> <p><b>WORK COMPLETED</b></p> <ul style="list-style-type: none"> <li>• 50 RRWHS structure have been completed</li> <li>• 83 Bore-well recharging activity is completed.</li> <li>• Development Approach road Prasala vadi vistar Gogan Pachim at Zarpara</li> <li>• Earthen bund Repairing work at Pond, Luni.</li> <li>• Pre-monsoon activity Approach repairing, Village Pond Lake strengthen and river cleaning (babul cutting) work is ongoing in Various Villages</li> <li>• Approach Road repairing at Various Fishermen Vasahat (ARC).</li> <li>• Construction of community gathering and training Center construction at different villages</li> <li>• 23 Fishermen of Randar bandar are benefitted to Pakka house constructed under AF Fishermen Avasa yojna</li> </ul> <p><b>ENVIRONMENT SUSTAINABILITY PROJECTS</b></p> <ul style="list-style-type: none"> <li>• <b>Miyawaki Forest Development, Nana Kapaya</b> - Plantation of 4965 saplings of different 42 species is completed which will result in dense forest within 2 years</li> <li>• <b>Smruti Van</b> – Plantation more than 40,000 sapling</li> </ul>



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Sr. No.	Conditions	Compliance Status as on 31-03-2022
		<p>with more than 115 species through Miyawaki methodology.</p> <ul style="list-style-type: none"> <li>• <b>Ecosystem Restoration, Guneri</b> – Grassland ecosystem restoration and mangrove conservation in 40 Ha area over a period of 4 years. The faunal survey was initiated in the month of December and continued till February 2022.</li> <li>• <b>Multi-Species Mangrove Park</b> - Adani Foundation at Mundra's initiated multi-species plantation of mangroves in Kutch association with GUIDE. During 2018-2019 (Phase-I) multi-species mangrove plantation was carried out in 10 ha, during Phase-II (2019-2020) it was 02 ha and during Phase III (2020-2021) it is 01 ha. During current FY 2021-22, 03 ha area coastal stretches have been planted with mangrove species. Total 16 Ha. multi-species mangrove plantation has been carried out till March-22 association with M/s. GUIDE, Gujarat.</li> <li>• <b>Home biogas</b> - Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 223 home biogas system in Dhrub, Zarpara and Navinal Villages</li> <li>• As per SORI use of biogas each farmer can save Rs.23399/year. Total 223 farmers can save Rs.5217977/- in a year.</li> <li>• <b>Seaweed Culture</b> - A pilot cultivation facility (5 KL tanks in 6 nos.) for the farming of different economically important seaweeds in the tanks on the onshore has been established and commenced the cultivation trials with red seaweeds Kappaphycus alvarezii, Gracilaria dura and green seaweed Ulva.</li> <li>• <b>Water Conservation Projects –</b> <ul style="list-style-type: none"> <li>✓ A large number of water harvesting structure (Total 21 Nos. of check dams and Augmentation of 2 check dams (1 Check dam current year).</li> <li>✓ Ground recharge activities (pond deepening work for more than 56 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan</li> <li>✓ Pond deepening and bund strengthen of Rampar village pond increase water storage capacity.</li> <li>✓ Roof Top Rain Water Harvesting 115 Nos. (50 Nos current FY 2021-22) which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.</li> <li>✓ Recharge Borewell 189 Nos (83 Nos current FY 2021-22) which is best ever option to.</li> <li>✓ Drip Irrigation 1158 Farmers (180 formers are supported with 15% of amount of total cost for maximum 4.0 lac. in current FY 2021-22)</li> <li>✓ Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar.</li> <li>✓ Luni Pond Bund Repairing Work.</li> </ul> </li> </ul>

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Sr. No.	Conditions	Compliance Status as on 31-03-2022	
		Skill Development  Over the previous few years, Adani Skill Development Center has assessed various aspects of the technical, leadership and soft skills gaps that organizations, in general, face and accordingly focuses on imparting required training in those areas in partnership with various colleges and institutes.  <u><b>ASDC, Mundra</b></u> <ul style="list-style-type: none"> <li>RPL–Recognition of Prior Learning Training given to Adani Group Contractual Employees–Total 218 Employees have been benefitted</li> <li>In Phase I, 51 fishfolk community youth will be skilled and certified in job roles like Assistant Electrician, Mason and Bar bender under 90 days training program supported by placements.</li> <li>Junior Crane Operator practical training to 36 Candidates for (Group-1, 2 &amp; 3) At MICT Port.</li> <li>Guest Lecture on Mehendi products, Beauty Therapist &amp; Resin art Total 100 candidate have been benefitted.</li> <li>Certificate Distributed to Mud work candidates at MICT Colony – 30 women learnt Mud work.</li> <li>Volunteer Support in GKGH and Adani Hospital during covid pandemic.</li> <li>21 students were coordinated for interview in seabird CFS of Mundra.</li> <li>Basic computer and spoken English training for 152 Fisherfolk students of Zarpara and Luni Vasahat.</li> </ul> <u><b>ASDC, Bhuj</b></u> <ul style="list-style-type: none"> <li>Launched New online General Duty Assistant &amp; Beauty Therapist for 63 candidates under (DDU-GKY).</li> <li>Soft Skills Training Certificate distribution to Prisoners of Palara Special Jail.</li> <li>Guest lecture on "Tally: Older vs New" &amp; "Concept of Emerging E-way Bill"</li> </ul> <u><b>Total Beneficiaries:</b></u> <ul style="list-style-type: none"> <li>Technical Training: 365 Nos.</li> <li>Sof-Skill Training: 52 Nos.</li> </ul>	Please refer <b>Annexure – 15</b> for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR Activity for the FY 2021-22 is to the tune of INR 1628.45 lakh. Out of which, Approx. INR 1492.6 lakh are spent during current FY 2021-22.
64	The MUPL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any	Point noted.	

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2022
	other competent authority for the purpose of the environmental protection and management.	
65	No further expansion or modifications 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 imposed and to add additional environmental protection measures required, if any.	<p>Point noted.</p> <p>Considering existing scenario, at present CETP having 2.5 MLD capacity only installed against total granted capacity of 17.0 MLD. Capacity of the same will be expanded on later stage as per requirement with requisite permissions from the competent authorities.</p> <p>No expansion or modifications in the plant has been carried out during this compliance period.</p>
66	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>Please refer point no. 62 for details regarding the same.</p>
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the	<p>Already complied.</p> <p>Copy of advertisement given in newspaper was submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p>

**Status of the conditions stipulated in Environment Clearance**

Sr. No.	Conditions	Compliance Status as on 31-03-2022																					
	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 clearance letter, in at least two local newspapers 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.																						
68	It shall be mandatory for the project management to submit half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> 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 Apr'21 to Sept'21 was submitted to Regional Office of MoEF&amp;CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar &amp; Gandhidham and SEIAA, Gandhinagar vide our letter dated 27.11.2021. Copy of the same is also available on our web site <a href="https://www.adaniports.com/ports-downloads">https://www.adaniports.com/ports-downloads</a>. A soft copy of the same was also submitted through e-mail on 30.11.2021 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>2</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>3</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> <tr> <td>4</td><td>Apr'20 to Sep'20</td><td>26.11.2020</td></tr> <tr> <td>5</td><td>Oct'20 to Mar'21</td><td>25.05.2021</td></tr> <tr> <td>6</td><td>Apr'21 to Sep'21</td><td>30.11.2021</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Oct'18 to Mar'19	31.05.2019	2	Apr'19 to Sep'19	28.11.2019	3	Oct'19 to Mar'20	20.05.2020	4	Apr'20 to Sep'20	26.11.2020	5	Oct'20 to Mar'21	25.05.2021	6	Apr'21 to Sep'21	30.11.2021
Sr. No.	Compliance period	Date of submission																					
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6	Apr'21 to Sep'21	30.11.2021																					

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied.</p> <p>The stipulated norms made by GPCB are followed. All required data regarding to water, hazardous waste emission load and energy consumption are submitted to GPCB by Patrak submission on monthly basis.</p>
70	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 project.	Already complied.
71	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Point noted.
72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their	Point noted.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'21</b> <b>To : Mar'22</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2022
	amendments and rules.	
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

# **Annexure – 1**





## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/19-AQ  
Page: 1 of 1

Customer's Name and Address:

**M/S. MPSEZ UTILITIES LIMITED (MUL)**  
**PLOT NO. S. NO. 141, VILLAGE –MUNDRA,**  
**TAL. – MUNDRA, DIST. - KUTCH – 370421.**

Test Report No. : **PL/AM 0946**

Issue Date : **16/11/2021**

Customer's Ref. : **As Per W.O**

Location of Sampling : **WTP - NEAR CETP**

GPS Location : **N 22° 48.446' E 069° 42.238'**

Date of Sampling : **As per table** Protocol (purpose) : **Ambient Air Quality Monitoring**

Sampling By : **Pollucon Laboratories Pvt. Ltd.** Lab Id : **As per table**

**RDS: EnvirotechM.No.-APM 460 BRUSHLESS S.R.-2769 DTH-2014**

Instrument Used : **FDS: POLLTECH PEM-ADS-2.5/10 , I.NO.19413**

**Gas Asse. Model No.TECI B1,Sr.No.4813 RotameterSr No.PT/37/13**

### RESULT TABLE

SR. NO	TEST PARAMETER	UNIT	RESULT								LIMIT#	METHOD OF MEASUREMENT
Date of Sampling			04/10/2021	07/10/2021	11/10/2021	14/10/2021	18/10/2021	21/10/2021	25/10/2021	29/10/2021		
Lab ID			AMA/2110 [A – D]								LIMIT#	METHOD OF MEASUREMENT
			11	24	37	50	63	76	89	102		
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.55	88.42	76.31	69.33	84.52	78.64	87.42	59.61	100	IS 5182 (Part-23) 2017
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	34.51	51.53	46.33	39.46	48.53	41.54	47.54	25.35	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.31	21.48	14.56	24.33	20.40	16.24	19.48	22.59	80	IS 5182 (Part-2) 2017
4	Oxide of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	35.64	38.48	33.43	45.35	39.42	28.96	32.62	44.56	80	IS 5182 (Part-6) 2014

LIMIT#: Industrial, Residential, Rural and other Area Notification Dated 18<sup>th</sup> Nov.2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

*Ravi J.*

**Ravi Jariwala**  
**Sr. Environmental Scientist**

*Arun B.*

**Dr. Arun Bajpai**  
**Lab Manager (Q)**

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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 0701660517, Page: 32 of 328  
E-mail: [pollucon@gmail.com](mailto:pollucon@gmail.com), [info@polluconlab.com](mailto:info@polluconlab.com)





## TEST REPORT FOR NOISE LEVEL MONITORING

QF/7.8/19-EX

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES LIMITED (MUL)**  
**PLOT NO. S. NO. 141, VILLAGE –MUNDRA,**  
**TAL. – MUNDRA, DIST. - KUTCH – 370421.**

Test Report No. : **PL/AM 0953**

Issue Date : **16/11/2021**

Customer's Ref. : **As Per W.O**

### NOISE LEVEL MONITORING REPORT

Sampling Date	: CETP	Sampling By	: Pollucon Laboratories Pvt. Ltd.
Test Method	: IS 9876 : 2013 / IS 9989 : 2014	Protocol (purpose)	: Noise Level Monitoring
Instrument Used	: SLM-100 , 269 DTF 2015		

### RESULT TABLE

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB( A )								
				01/10/2021								
				06:00-07:00	07:00-08:00	08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00	
1	CETP	N 22° 48.446'	E 069° 42.238'	63.2	66.2	68.2	65.9	69.1	62.6	69.5	63.5	

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB( A )								
				01/10/2021								
				14:00-15:00	15:00-16:00	16:00-17:00	17:00-18:00	18:00-19:00	19:00-20:00	20:00-21:00	21:00-22:00	
1	CETP	N 22° 48.446'	E 069° 42.238'	61.4	64.7	66.5	62.4	65.2	68.7	62.9	65.7	

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB( A )		
				01/10/2021		
				AVERAGE	MAX	MIN
1	CETP	N 22° 48.446'	E 069° 42.238'	65.4	69.5	61.4

*Ravi J.*

**Ravi Jariwala**  
**Sr. Environmental Scientist**

*Arun B.*

**Dr. Arun Bajpai**  
**Lab Manager (Q)**

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

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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 0701660517, Page 33 of 228, Email: info@polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com





## TEST REPORT FOR NOISE LEVEL MONITORING

QF/7.8/19-EX

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES PVT. LTD. (MUL)**  
**PLOT NO. S. NO. 141, VILLAGE –MUNDRA,**  
**TAL. – MUNDRA, DIST. - KUTCH – 370421.**

Test Report No. : **PL/AM 0954**

Issue Date : **16/11/2021**

Customer's Ref. : **As Per W.O**

### NOISE LEVEL MONITORING REPORT

Sampling Location	: <b>CETP</b>	Sampling By	: <b>Pollucon Laboratories Pvt. Ltd.</b>
Test Method	: <b>IS 9876 : 2013 /</b> <b>IS 9989 : 2014</b>	Protocol (purpose)	: <b>Noise Level Monitoring</b>
Instrument Used	: <b>SLM-100 , 269 DTF 2015</b>		

### RESULT TABLE

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)			
				01/10/2021		02/10/2021	
				22:00-23:00	23:00-00:00	00:00-01:00	01:00-02:00
1	CETP	N 22° 48.446'	E 069° 42.238'	64.6	65.2	69.2	66.8

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)			
				02/10/2021			
				02:00-03:00	03:00-04:00	04:00-05:00	05:00-06:00
1	CETP	N 22° 48.446'	E 069° 42.238'	62.7	66.8	58.4	59.9

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)		
				02/10/2021		
				AVERAGE	MAX	MIN
1	CETP	N 22° 48.446'	E 069° 42.238'	64.2	69.2	58.4

*Ravi J.*

**Ravi Jariwala**  
**Sr. Environmental Scientist**

*Arun B.*

**Dr. Arun Bajpai**  
**Lab Manager (Q)**

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## TEST REPORT FOR WATER SAMPLE

QF/7.8/19-WT

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES LTD (MUL),  
SURVEY NO/PLOT NO. 141 (PART),  
VILLAGE - MUNDRA, TALUKA - MUNDRA,  
DIST - KUTCH – 370421**

Test Report No. : **PL/AM 0947A**

Issue Date : **16/11/2021**

Customer's Ref. : **As Per W.O**

Description of Sample : **Water Sample CETP Inlet**

Sampling Date : **04/10/2021**

Quantity/No. of Samples : **02 Lit/One**

Sampling By : **Pollucon Laboratories Pvt. Ltd.**

Sampling Procedure : **Grab**

Sample Receipt Date : **05/10/2021**

Lab ID : **AM/2110/01**

Packing/ Seal : **Sealed**

Test Parameters : **As per table**

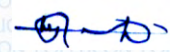
Date of Starting of Test : **05/10/2021**

Date of Completion : **11/10/2021**

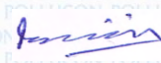
### RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Inlet*	TEST METHOD
			CETP Inlet		
1	%Sodium	%	63.42	Not Specified	SOP/CHM/W/21

#As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 Up to 07/04/2021 .

  
H. T. Shah

Lab. Manager

  
Dr. Arun Bajpai

Lab Manager (Q)

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## TEST REPORT FOR WATER SAMPLE

QF/7.8/19-WT

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES LTD (MUL),  
SURVEY NO/PLOT NO. 141 (PART),  
VILLAGE - MUNDRA, TALUKA - MUNDRA,  
DIST - KUTCH – 370421**

Test Report No. : **PL/AM 0948A**

Issue Date : **16/11/2021**

Customer's Ref. : **As Per W.O**

Description of Sample : **Water Sample CETP Outlet**

Sampling Date : **04/10/2021**

Quantity/No. of Samples : **02 Lit/One**

Sampling By : **Pollucon Laboratories Pvt. Ltd.**

Sampling Procedure : **Grab**

Sample Receipt Date : **05/10/2021**

Lab ID : **AM/2110/02**

Packing/ Seal : **Sealed**

Test Parameters : **As per table**

Date of Starting of Test : **05/10/2021**

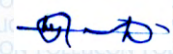
Date of Completion : **11/10/2021**

### RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Outlet*	TEST METHOD
			CETP Outlet		
1	%Sodium	%	55.60	Not Specified	SOP/CHM/W/21

#As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 up to 07/04/2021

\$: Parameter is not mention in the CCA,

  
**H. T. Shah**  
Lab. Manager

  
**Dr. Arun Bajpai**  
Lab Manager (Q)

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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,  
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

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E-mail: pollucon@gmail.com, info@polluconlab.com





## TEST REPORT FOR WATER SAMPLE

QF/7.8/19-WT

Page: 1 of 1

Customer's Name and Address :

<b>M/S. MPSEZ UTILITIES LTD (MUL), SURVEY NO/PLOT NO. 141 (PART), VILLAGE - MUNDRA, TALUKA - MUNDRA, DIST - KUTCH – 370421</b>	Test Report No. : <b>PL/AM 0947</b> Issue Date : <b>16/11/2021</b> Customer's Ref. : <b>As Per W.O</b>
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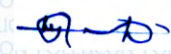
Description of Sample : <b>Water Sample CETP Inlet</b>	Quantity/No. of Samples : <b>02 Lit/One</b>
Sampling Date : <b>04/10/2021</b>	Sampling Procedure : <b>Grab</b>
Sampling By : <b>Pollucon Laboratories Pvt. Ltd.</b>	Lab ID : <b>AM/2110/01</b>
Sample Receipt Date : <b>05/10/2021</b>	Test Parameters : <b>As per table</b>
Packing/ Seal : <b>Sealed</b>	Date of Completion : <b>11/10/2021</b>
Date of Starting of Test : <b>05/10/2021</b>	

### RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Inlet*	TEST METHOD
			CETP Inlet		
1	pH Value	--	7.52	6.5 to 8.5	IS 3025 (Part-11) 2017 Electrometric Method
2	Temperature	°C	29.9	--	IS 3025 (Part-9) 2017
3	Colour	Co-pt	30	100	IS 3025 (Part-4) 2017
4	Total Suspended Solids	mg/L	26	800	IS 3025 (Part - 17) 2017
5	Oil & Grease	mg/L	3.7	20	APHA (23 <sup>rd</sup> Edition 2017) 5520 B
6	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	Not Detected	2	IS 3025 (Part-43) 2019 Aminoantipyrine Method
7	Fluoride (as F)	mg/L	0.72	2	APHA (23 <sup>rd</sup> Edition 2017) 4500 F D SPANDS Method
8	Iron (as Fe)	mg/L	0.63	3	APHA (23 <sup>rd</sup> Edition 2017) 3500 Fe B
9	Zinc (as Zn)	mg/L	0.46	15	APHA (23 <sup>rd</sup> Edition 2017) 3111 B
10	Trivalent Chromium	mg/L	Not Detected	3	APHA (23 <sup>rd</sup> Edition 2017) 3111 B
11	Sulphide (as S)	mg/L	0.32	2	APHA (23 <sup>rd</sup> Edition 2017) 4500 S2 F Iodometric method
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	19.6	50	IS 3025 (Part-34) 2019 Nesslerization Method
13	BOD (3 Days @ 27 °C)	mg/L	75	1000	IS 3025 (Part-44) 2019
14	COD	mg/L	380	2000	APHA (23 <sup>rd</sup> Edition 2017) 5220 B Open Reflux Method
15	Chloride (as Cl)	mg/L	624	1000	IS 3025 (Part-32) 2019 Argentometric Method
16	Sulphate (as SO <sub>4</sub> )	mg/L	203	1000	IS 3025 (Part-24) 2019 Turbidimetric method
17	Total Dissolved Solids	mg/L	1268	2100	IS 3025 (Part-16) 2017
18	Total Residual Chlorine	mg/L	Not Detected	2	APHA (23 <sup>rd</sup> Edition 2017) 4500 Cl G DPD Colorimetric method
19	Copper (as Cu)	mg/L	Not Detected	3	APHA (23 <sup>rd</sup> Edition 2017) 3111 B

#As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 Up to 07/04/2021.

Detection Limit, Phenolic compounds as C<sub>6</sub>H<sub>5</sub>OH: 0.01 mg/L, Copper: 0.02 mg/L, Total Residual Chlorine: 0.2 mg/L, Trivalent Chromium: 0.05 mg/L, Oil & Grease: 2.0 mg/L.

  
**H. T. Shah**  
Lab. Manager

  
**Dr. Arun Bajpai**  
Lab Manager (Q)

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

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## TEST REPORT FOR WATER SAMPLE

QF/7.8/19-WT

Page: 1 of 1

Customer's Name and Address :

<b>M/S. MPSEZ UTILITIES LTD (MUL), SURVEY NO/PLOT NO. 141 (PART), VILLAGE - MUNDRA, TALUKA - MUNDRA, DIST - KUTCH – 370421</b>	Test Report No. : <b>PL/AM 0948</b> Issue Date : <b>16/11/2021</b> Customer's Ref. : <b>As Per W.O</b>
--	--

Description of Sample : <b>Water Sample CETP Outlet</b>	Quantity/No. of Samples : <b>02 Lit/One</b>
Sampling Date : <b>04/10/2021</b>	Sampling Procedure : <b>Grab</b>
Sampling By : <b>Pollucon Laboratories Pvt. Ltd.</b>	Lab ID : <b>AM/2110/02</b>
Sample Receipt Date : <b>05/10/2021</b>	Test Parameters : <b>As per table</b>
Packing/ Seal : <b>Sealed</b>	Date of Completion : <b>11/10/2021</b>
Date of Starting of Test : <b>05/10/2021</b>	

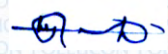
### RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS CETP Outlet	GPCB Permissible Limit CETP Outlet <sup>#</sup>	TEST METHOD
1	pH Value	--	7.59	6 to 9	IS 3025 (Part-11) 2017 Electrometric Method
2	Temperature	°C	29.8	Shall Not exceed more than 5 °C above ambient watertemperature	IS 3025 (Part-9) 2017
3	Colour	Co-pt	20	100	IS 3025 (Part-4) 2017
4	Total Suspended Solids	mg/L	13	100	IS 3025 (Part – 17) 2017
5	Oil & Grease	mg/L	Not Detected	10	APHA (23 <sup>rd</sup> Edition 2017) 5520 B
6	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	Not Detected	1	IS 3025 (Part-43) 2019 Aminoantipyrine Method
7	Fluoride (as F)	mg/L	0.46	2	APHA (23 <sup>rd</sup> Edition 2017) 4500 F D SPANDS Method
8	Iron (as Fe)	mg/L	Not Detected	3	APHA (23 <sup>rd</sup> Edition 2017) 3500 Fe B
9	Zinc (as Zn)	mg/L	0.12	15	APHA (23 <sup>rd</sup> Edition 2017) 3111 B
10	Trivalent Chromium	mg/L	Not Detected	2	APHA (23 <sup>rd</sup> Edition 2017) 3111 B
11	Sulphide (as S)	mg/L	Not Detected	2	APHA (23 <sup>rd</sup> Edition 2017) 4500 S2 F Iodometric method
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	4.20	50	IS 3025 (Part-34) 2019 Nesslerization Method
13	BOD (3 Days @ 27 °C)	mg/L	15	100	IS 3025 (Part-44) 2019
14	COD	mg/L	68	250	APHA (23 <sup>rd</sup> Edition 2017) 5220 B Open Reflux Method
15	Chloride (as Cl)	mg/L	703	1000	IS 3025 (Part-32) 2019 Argentometric Method
16	Sulphate (as SO <sub>4</sub> )	mg/L	154	1000	IS 3025 (Part-24) 2019 Turbidimetric method
17	Total Dissolved Solids	mg/L	1384	2100	IS 3025 (Part-16) 2017
18	Total Residual Chlorine	mg/L	0.8	1	APHA (23 <sup>rd</sup> Edition 2017) 4500 Cl G DPD Colorimetric method
19	Copper (as Cu)	mg/L	Not Detected	3	APHA (23 <sup>rd</sup> Edition 2017) 3111 B
20	Bio-assay test <sup>\$</sup>	--	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	OECD 203 B/IS: 6582-2001

Detection Limit, Oil & Grease: 2.0 mg/L, Phenolic compounds as C<sub>6</sub>H<sub>5</sub>OH: 0.01 mg/L, Copper: 0.02 mg/L, Sulphide (as S): 0.1 mg/L.

<sup>#</sup>As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 up to 07/04/2021.

<sup>\$</sup>: Parameter is not mention in the CCA,

  
**H. T. Shah**  
Lab. Manager

  
**Dr. Arun Bajpai**  
Lab Manager (Q)

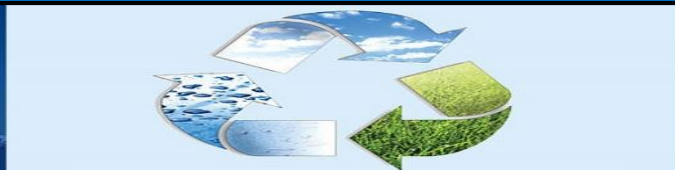
Note: This report is subject to terms & conditions mentioned overleaf.

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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## “Half Yearly Environmental Monitoring Reports “

For,



**M/S. MPSEZ Utilities Ltd. (MUL)**

Survey No. 141, Village - Mundra, APSEZ, Tal: Mundra, Dist.: Kutch – 370 421

**Monitoring Period: November – 2021 to March - 2022**

**Submitted By**



**UniStar Environment & Research Labs Pvt. Ltd.**

White House, Near GIDC Office, Char Rasta, Vapi, Gujarat, India – 396195



### RESULTS OF CETP INLET WATER

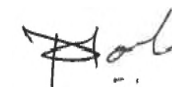
SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			NOVEMBER 2021	DECEMBER 2021		JANUARY 2022	FEBRUARY 2022	MARCH 2022		
			01/11/2021	02/12/2021	09/12/2021	03/01/2022	01/02/2022	02/03/2022		
1.	pH @ 27 ° C	--	7.42	7.68	7.74	7.68	7.68	7.72	6.5 to 8.5	APHA 23 <sup>rd</sup> Ed.,2017,4500-H+B
2.	Temperature	°C	29	30	30	29.9	29.9	30	--	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	50	50	45	60	60	50	100	IS 3025(Part 4)
4.	Total Suspended Solids	mg/L	28	44	38	76	76	64	800	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	4	5	3	6	6	7	20	IS 3025(Part39)1991, Amd. 2
6.	Phenolic Compound	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	2	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	0.8	0.74	1.1	0.68	0.68	0.74	2	APHA 23 <sup>rd</sup> Ed.,2017,4500 F, D
8.	Iron as Fe	mg/L	0.66	0.57	0.25	0.52	0.52	0.64	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	0.48	0.24	0.086	0.38	0.38	0.48	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	3	By Calculation
11.	Sulphide	mg/L	0.18	0.38	1.4	0.44	0.44	0.58	2	APHA 23 <sup>rd</sup> Ed.,2017,4500-H+B

Continue...

SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			NOVEMBER 2021	DECEMBER 2021		JANUARY 2022	FEBRUARY 2022	MARCH 2022		
			01/11/2021	02/12/2021	09/12/2021	03/01/2022	01/02/2022	02/03/2022		
12.	Ammonical Nitrogen	mg/L	18.8	28.5	26.3	36.4	36.4	38.1	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	112	126	48	130	130	144	1000	IS 3025(Part 4)
14.	COD	mg/L	475.4	574	169	588.2	588.2	608.1	2000	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
15.	Chloride (as Cl) <sup>-</sup>	mg/L	832.8	882.4	848.7	882.4	882.4	910.2	1000	IS 3025(Part39)1991, Amd. 2
16.	Sulphate (as SO <sub>4</sub> )	mg/L	218.3	192.8	151.7	204.2	204.2	216.2	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1750	2064	1884	1780	1780	1842	2100	APHA 23 <sup>rd</sup> Ed.,2017,4500 F, D
18.	Total Residual Chlorine	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	2	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	3	IS 3025(Part 49)1994



Mr. Nilesh Patel  
Sr. Chemist

Mr. Nitin Tandel  
Technical Manager

### RESULTS OF CETP OUTLET WATER

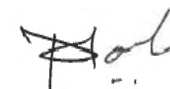
SR.NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP Outlet	TEST METHOD
			NOVEMBER 2021	DECEMBER 2021		JANUARY 2022	FEBRUARY 2022	MARCH 2022		
			01/11/2021	02/12/2021	09/12/2021	03/01/2022	01/02/2022	02/03/2022		
1.	pH @ 27 ° C	--	8.03	8.09	7.98	7.78	7.62	7.51	6.0 – 9.0	APHA 23 <sup>rd</sup> Ed.,2017,4500-H <sup>+</sup> B
2.	Temperature	°C	29	30	30	29.9	30.1	30.1	Shall not exceed more than 5 °C above received water temperature	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	30	30	30	25	30	25	100	IS 3025(Part 4)
4.	Total Suspended Solids	mg/L	14	23	28	18	14	12	100	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	10	IS 3025 (Part39)1991, Amd. 2
6.	Phenolic Compound	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	1	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	0.7	0.64	1	0.41	0.32	0.44	2	APHA 23 <sup>rd</sup> Ed.,2017,4500F, D
8.	Iron as Fe	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	0.077	0.086	0.077	0.14	0.19	0.26	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	2	By Calculation

Continue...

SR.NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			NOVEMBER 2021	DECEMBER 2021		JANUARY 2022	FEBRUARY 2022	MARCH 2022		
			01/11/2021	02/12/2021	09/12/2021	20/01/2022	01/02/2022	02/03/2022		
11.	Sulphide	mg/L	BDL	0.2	BDL	0.29	0.34	0.94	2	APHA 23 <sup>rd</sup> Ed.,2017,4500-H*B
12.	Ammonical Nitrogen	mg/L	4.3	3.2	3.3	3.8	4.1	5.8	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	24	22	26	24	24	25	100	IS 3025(Part 4)
14.	COD	mg/L	96.5	86.8	94.2	90.4	92.2	104.1	250	APHA 23 <sup>rd</sup> Ed.,2017,2540 -D
15.	Chloride (as Cl) <sup>-</sup>	mg/L	767.2	878.5	903.3	784.2	859.8	844.2	1000	IS 3025(Part39)1991, Amd. 2
16.	Sulphate (as SO <sub>4</sub> )	mg/L	195.7	152.9	148.6	124.6	142.4	148.1	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1680	2012	1856	1772	1816	1864	2100	APHA 23 <sup>rd</sup> Ed.,2017,4500F, D
18.	Total Residual Chlorine	mg/L	0.74	BDL	BDL	BDL	BDL	BDL	1	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	3	IS 3025(Part 49)1994
20.	Bio Assay test (%)	%	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	IS:6582-1971



Mr. Nilesh Patel  
Sr. Chemist

Mr. Nitin Tandel  
Technical Manager

### Results of Ambient Air Quality Monitoring

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>
1.	01-11-2021	80.54	45.62	21.48	38.48	--
2.	02-11-2021	76.52	37.41	18.74	29.56	--
3.	08-11-2021	80.54	42.26	20.53	34.54	--
4.	09-11-2021	67.81	35.68	17.65	27.84	--
5.	15-11-2021	79.56	39.45	28.11	36.74	--
6.	16-11-2021	92.44	47.24	25.32	37.25	--
7.	22-11-2021	85.58	43.14	21.85	32.44	--
8.	23-11-2021	90.75	48.51	28.45	39.15	--
9.	29-11-2021	78.62	37.53	24.18	33.55	--
10.	30-11-2021	85.51	40.44	23.15	31.28	--
11.	05-12-2021	72.34	39.21	23.15	29.18	--
12.	06-12-2021	64.55	30.15	15.23	26.34	--
13.	13-12-2021	70.34	35.21	22.18	30.15	--
14.	14-12-2021	75.21	38.14	20.17	28.21	--
15.	20-12-2021	68.12	29.18	16.21	25.39	--
16.	21-12-2021	65.2	34.21	18.14	25.23	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>
17.	27-12-2021	60.35	23.45	17.22	26.78	--
18.	28-12-2021	53.44	21.67	19.25	27.44	--
19.	03-01-2022	84.23	33.56	16.12	24.12	0.23
20.	04-01-2022	70.51	28.43	19.34	28.15	0.67
21.	10-01-2022	81.25	30.13	25.21	27.23	0.1
22.	11-01-2022	68.23	26.72	22.18	25.16	0.84
23.	17-01-2022	93.45	37.65	19.14	26.15	0.25
24.	18-01-2022	84.12	30.15	21.17	29.15	0.16
25.	24-01-2022	93.45	39.12	10.18	21.45	0.54
26.	25-01-2022	95.43	44.35	14.12	23.12	1.05
27.	31-01-2022	90.6	40.21	10.25	19.21	0.88
28.	03-02-2022	86.54	44.21	22.45	27.53	--
29.	07-02-2022	88.12	34.23	25.14	31.27	--
30.	10-02-2022	83.77	29.23	21.16	30.22	--
31.	14-02-2022	79.52	31.67	18.45	34.21	--
32.	16-02-2022	75.35	46.86	23.67	30.22	--
33.	21-02-2022	83.45	39.17	20.45	33.12	--

Continue...



Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>
34.	23-02-2022	87.33	30.5	23.21	35.18	--
35.	28-02-2022	77.68	46.25	20.45	27.38	--
36.	03-03-2022	72.34	37.15	18.15	28.13	--
37.	07-03-2022	75.42	41.23	23.34	30.15	--
38.	10-03-2022	78.35	44.64	20.17	26.73	--
39.	14-03-2022	76.55	37.15	24.54	32.18	--
40.	17-03-2022	69.85	33.45	22.23	35.21	--
41.	21-03-2022	74.55	40.18	26.18	30.15	--
42.	24-03-2022	79.42	42.61	21.44	29.17	--
43.	28-03-2022	70.47	38.25	17.25	28.55	--
44.	30-03-2022	83.45	42.37	22.18	30.19	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



**Nikunj D. Patel**  
(Chemist)




**Jaivik S. Tandel**  
(Manager - Operations)

### Results of Ambient Air Quality Monitoring

Name of Location		AIR STRIP						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	HC µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>
1.	01-11-2021	78.34	30.12	16.45	23.42	0.15	NOT DETECTED	NOT DETECTED
2.	02-11-2021	82.60	34.55	14.35	20.16	0.12	NOT DETECTED	NOT DETECTED
3.	08-11-2021	65.73	27.65	15.21	22.45	0.17	NOT DETECTED	NOT DETECTED
4.	09-11-2021	72.81	30.12	13.56	26.71	0.11	NOT DETECTED	NOT DETECTED
5.	15-11-2021	68.44	26.45	11.84	22.21	0.08	NOT DETECTED	NOT DETECTED
6.	16-11-2021	75.37	29.51	12.65	19.84	0.14	NOT DETECTED	NOT DETECTED
7.	22-11-2021	60.42	23.18	16.43	23.25	0.09	NOT DETECTED	NOT DETECTED
8.	23-11-2021	67.14	27.15	12.75	20.15	0.05	NOT DETECTED	NOT DETECTED
9.	29-11-2021	56.84	21.72	19.21	24.32	0.12	NOT DETECTED	NOT DETECTED
10.	30-11-2021	69.45	30.15	16.35	21.15	0.15	NOT DETECTED	NOT DETECTED
11.	05-12-2021	65.32	31.23	15.21	20.18	0.11	NOT DETECTED	NOT DETECTED
12.	06-12-2021	70.25	30.23	27.83	24.68	0.15	NOT DETECTED	NOT DETECTED
13.	13-12-2021	63.40	26.21	19.33	27.25	0.15	NOT DETECTED	NOT DETECTED
14.	14-12-2021	70.23	35.44	15.67	26.21	0.17	NOT DETECTED	NOT DETECTED
15.	20-12-2021	76.52	33.42	16.34	25.88	0.14	NOT DETECTED	NOT DETECTED
16.	21-12-2021	81.23	35.67	15.34	26.60	0.05	NOT DETECTED	NOT DETECTED

Continue...

Name of Location		AIR STRIP						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	HC µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>
17.	27-12-2021	68.34	30.12	17.15	25.44	0.08	NOT DETECTED	NOT DETECTED
18.	28-12-2021	60.15	29.34	14.21	23.45	0.05	NOT DETECTED	NOT DETECTED
19.	03-01-2022	54.32	18.24	10.23	18.23	0.05	NOT DETECTED	NOT DETECTED
20.	04-01-2022	62.13	21.40	15.32	27.81	0.10	NOT DETECTED	NOT DETECTED
21.	10-01-2022	46.43	16.70	12.15	26.19	0.12	NOT DETECTED	NOT DETECTED
22.	11-01-2022	62.51	25.23	15.14	29.67	0.07	NOT DETECTED	NOT DETECTED
23.	17-01-2022	76.85	29.15	10.15	21.35	0.05	NOT DETECTED	NOT DETECTED
24.	18-01-2022	83.60	43.56	7.83	20.16	0.12	NOT DETECTED	NOT DETECTED
25.	24-01-2022	61.45	38.91	12.35	25.21	0.10	NOT DETECTED	NOT DETECTED
26.	25-01-2022	56.32	27.44	10.20	19.17	0.12	NOT DETECTED	NOT DETECTED
27.	31-01-2022	82.24	35.12	14.23	27.15	0.08	NOT DETECTED	NOT DETECTED
28.	03-02-2022	83.23	34.56	18.23	23.18	0.08	NOT DETECTED	NOT DETECTED
29.	07-02-2022	59.21	26.78	15.21	25.17	0.05	NOT DETECTED	NOT DETECTED
30.	10-02-2022	78.90	38.21	10.23	18.25	0.07	NOT DETECTED	NOT DETECTED
31.	14-02-2022	75.25	30.45	14.23	26.78	0.10	NOT DETECTED	NOT DETECTED
32.	16-02-2022	86.12	29.25	12.28	27.12	0.04	NOT DETECTED	NOT DETECTED
33.	21-02-2022	76.23	34.21	14.89	23.18	0.09	NOT DETECTED	NOT DETECTED

Continue...

Name of Location		AIR STRIP						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	HC µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>
34.	23-02-2022	82.30	30.15	15.21	24.79	0.07	NOT DETECTED	NOT DETECTED
35.	28-02-2022	87.13	35.22	12.47	21.36	0.10	NOT DETECTED	NOT DETECTED
36.	03-03-2022	72.34	28.15	15.12	24.56	0.05	NOT DETECTED	NOT DETECTED
37.	07-03-2022	65.12	22.34	11.57	19.78	0.07	NOT DETECTED	NOT DETECTED
38.	10-03-2022	82.39	30.17	13.45	20.15	0.05	NOT DETECTED	NOT DETECTED
39.	14-03-2022	76.34	27.89	12.19	17.68	0.04	NOT DETECTED	NOT DETECTED
40.	17-03-2022	80.98	31.35	16.78	21.56	0.09	NOT DETECTED	NOT DETECTED
41.	21-03-2022	65.92	26.68	13.56	20.89	0.04	NOT DETECTED	NOT DETECTED
42.	24-03-2022	81.37	29.35	17.12	24.18	0.10	NOT DETECTED	NOT DETECTED
43.	28-03-2022	86.45	32.10	11.38	20.25	0.07	NOT DETECTED	NOT DETECTED
44.	30-03-2022	75.22	25.68	14.56	23.78	0.08	NOT DETECTED	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



**Nikunj D. Patel**  
(Chemist)




**Jaivik S. Tandel**  
(Manager - Operations)

### Results of Noise Level Monitoring

Location Name		WTP- Nr. CETP				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time				
		17-11-2021	15-12-2021	28-01-2022	02-02-2022	05-03-2022
1	06:00 to 07:00	66.7	65.8	64.45	63.24	64.34
2	07:00 to 08:00	64.9	67.9	66.25	67.89	68.94
3	08:00 to 09:00	65.3	69.3	68.15	69.73	67.5
4	09:00 to 10:00	67.1	68.6	70.4	69.3	66.5
5	10:00 to 11:00	64.6	68.3	71.25	69.15	67.3
6	11:00 to 12:00	63.8	67.3	68.35	69.87	68.43
7	12:00 to 13:00	61.9	66.2	67.45	66.34	65.32
8	13:00 to 14:00	63.5	68.2	70.15	66.43	66.5
9	14:00 to 15:00	65.2	67.5	66.39	67.89	68.32
10	15:00 to 16:00	69.8	62.9	64.8	65.32	64.23
11	16:00 to 17:00	65.5	66.4	69.12	64.85	69.84
12	17:00 to 18:00	68.3	62.6	65.17	64.23	63.23
13	18:00 to 19:00	67.7	65.5	61.4	60.72	61.98
14	19:00 to 20:00	65.2	68.5	60.25	59.43	58.35
15	20:00 to 21:00	62.4	66.7	62.19	63.31	64.52
16	21:00 to 22:00	64.4	62.8	60.15	59.42	58.74
Day Time		<75 dB (A)				

Continue...

Location Name		WTP- Nr. CETP				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time				
		17-11-2021	15-12-2021	28-01-2022	02-02-2022	05-03-2022
1	22:00 to 23:00	62.8	63.5	60.25	61.26	60.24
2	23:00 to 24:00	63.3	62.5	58.3	59.43	58.36
3	24:00 to 01:00	64.9	61.9	57.25	58.43	59.76
4	01:00 to 02:00	61.5	62.8	56.25	55.32	56.32
5	02:00 to 03:00	59.1	60.5	55.65	56.87	55.21
6	03:00 to 04:00	62.9	59.6	57.24	56.32	57.84
7	04:00 to 05:00	60.2	58.5	55.25	54.32	53.24
8	05:00 to 06:00	64.5	59.7	58.4	59.76	58.63
Night Time		<70 dB (A)				

Test Method	IS: 9989 : 1981
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**Nikunj D. Patel**  
(Chemist)




**Jaivik S. Tandel**  
(Manager - Operations)

### Results of Noise Level Monitoring

Location Name		AIR STRIP				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time				
		30-11-2021	10-12-2021	11-01-2022	23-02-2022	24-03-2022
1	06:00 to 07:00	64.3	61.5	62.35	63.67	64.26
2	07:00 to 08:00	65.5	66.7	64.25	65.23	66.74
3	08:00 to 09:00	62.8	60.5	61.25	62.89	63.25
4	09:00 to 10:00	62.5	63.9	64.18	65.78	66.28
5	10:00 to 11:00	61.6	64.5	62.51	63.22	64.58
6	11:00 to 12:00	62.3	65.2	60.56	61.98	62.37
7	12:00 to 13:00	64.5	66.1	62.45	63.24	62.66
8	13:00 to 14:00	65.2	60.6	61.9	62.88	63.36
9	14:00 to 15:00	59.8	61.8	62.45	63.21	62.31
10	15:00 to 16:00	63.5	62.5	60.78	61.98	60.78
11	16:00 to 17:00	61.8	63.2	61.2	62.34	63.42
12	17:00 to 18:00	67.5	65.4	64.28	65.13	64.38
13	18:00 to 19:00	68.4	62.1	58.67	59.98	58.74
14	19:00 to 20:00	62.9	60.2	61.34	62.34	63.21
15	20:00 to 21:00	68.4	58.9	55.69	56.98	57.47
16	21:00 to 22:00	64.5	59.2	58.1	59.23	58.32
Day Time		<75 dB (A)				

Continue...



Location Name		AIR STRIP				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time				
		30-11-2021	10-12-2021	11-01-2022	23-02-2022	24-03-2022
1	22:00 to 23:00	57.5	58.5	56.25	57.12	58.54
2	23:00 to 24:00	55.4	56.5	55.78	56.34	57.32
3	24:00 to 01:00	56.2	57.2	53.45	54.87	55.18
4	01:00 to 02:00	55.5	55.5	58.12	59.71	58.17
5	02:00 to 03:00	53.9	55.2	51.67	52.34	53.27
6	03:00 to 04:00	58.6	54.1	51.25	50.98	51.38
7	04:00 to 05:00	61.2	59.5	55.28	56.23	57.25
8	05:00 to 06:00	57.5	60.2	58.35	57.32	58.19
Day Time		<70 dB (A)				

Test Method	IS: 9989 : 1981
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**Nikunj D. Patel**  
(Chemist)




**Jaivik S. Tandel**  
(Manager - Operations)

MoEF&CC (GOI) Recognized Environmental  
Laboratory under the EPA-1986 (12.01.2020 to 17.03.2023)

QC/NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001:2015  
Certified Company

ISO 45001:2018  
Certified Company

### Results of Stack Monitoring

Sr. No.	Parameter	Unit	February-2022	GPCB LIMIT	Method of Test
			D.G.Set No. S-1 (380 KVA )		
			24-02-2022		
1	Particulate Matter	mg/Nm <sup>3</sup>	22.4	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO <sub>2</sub>	ppm	6.5	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO <sub>x</sub>	ppm	30.8	50	IS 11255 (Part - 7)



**Nikunj D. Patel**  
(Chemist)



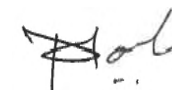

**Jaivik S. Tandel**  
(Manager - Operations)

### RESULTS OF BORE HOLE WATER

SR.NO.	TEST PARAMETERS	UNIT	MUL CETP	NEAR CETP	TEST METHOD
			01/11/2021	10/12/2021	
1.	pH @ 25 ° C	--	7.48	7.87	IS 3025(Part 11)1983
2.	Salinity	ppt	2.97	2.83	APHA 23 <sup>rd</sup> Ed.,2017,2520 B
3.	Oil & Grease	mg/L	BDL	BDL	IS 3025(Part39)1991, Amd. 2
4.	Hydrocarbon	mg/L	BDL	Not Detected	GC/GCMS
5.	Lead as Pb	mg/L	0.045	0.080	IS 3025 (PART 47) 1994
6.	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	APHA 23 <sup>rd</sup> Ed.,2017,3114-C
7.	Nickel as Ni	mg/L	BDL(MDL:0.02)	0.073	IS 3025 (PART 54) 2003
8.	Total Chromium as Cr	mg/L	BDL	BDL	IS 3025 (PART 52) 2003
9.	Cadmium as Cd	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	IS 3025(PART 41) 1992
10.	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	APHA 23 <sup>rd</sup> Ed.,2017, 3112-B
11.	Zinc as Zn	mg/L	0.35	0.352	IS 3025(PART 49) 1994
12.	Copper as Cu	mg/L	BDL	BDL	IS 3025 (PART 42) 1992
13.	Iron as Fe	mg/L	0.25	BDL	IS 3025(PART 53) 2003
14.	Insecticides/Pesticides	µg/L	Absent	Absent	USEPA 8081 B
15.	Depth of Water Level from Ground Level	meter	2.0	2.3	--



**Mr. Nilesh Patel**  
Sr. Chemist

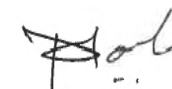
**Mr. Nitin Tandel**  
Technical Manager

### RESULTS OF SOIL SAMPLE

SR.NO.	TEST PARAMETERS	UNIT	MUL CETP	TEST METHOD
			01/11/2021	
1.	pH	--	8.96	Minimum Detection limit for Soil Sample prepared as per USEPA 3050 B
2.	Nitrogen as N	%	0.37	
3.	Phosphorus as P	mg/kg	356	
4.	Potassium as K	mg/kg	119	
5.	Baron as B	mg/kg	3.41	
6.	Calcium as Ca	mg/kg	467	
7.	Magnesium as Mg	mg/kg	616	
8.	Iron as Fe	%	0.49	
9.	Moisture	%	8.24	
10.	Organic Matter	%	0.19	
11.	Cation exchange capacity (CEC)	meq/100gm	9.68	
12.	TVC	CFU/gm	1.7 x 10 <sup>6</sup>	
13.	Cadmium as Cd	mg/kg	BDL	
14.	Thorium as Th	mg/kg	BDL	
15.	Antimony as Sb	mg/kg	BDL	
16.	Arsenic as As	mg/kg	BDL	
17.	Lead as Pb	mg/kg	BDL	
18.	Chromium as Cr	mg/kg	BDL	
19.	Cobalt as Co	mg/kg	24.6	
20.	Copper as Cu	mg/kg	39.8	
21.	Nickel as Ni	mg/kg	12.5	
22.	Manganese and Mn	mg/kg	314	
23.	Vanadium as V	mg/kg	8.31	



**Mr. Nilesh Patel**  
Sr. Chemist

**Mr. Nitin Tandel**  
Technical Manager

## Minimum Detection Limit

### Ambient Air Quality Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m <sup>3</sup>	5 µg/m <sup>3</sup>
2	Particulate Matter (PM10)	µg/m <sup>3</sup>	5 µg/m <sup>3</sup>
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4 µg/m <sup>3</sup>
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	5 µg/m <sup>3</sup>
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.01 mg/m <sup>3</sup>
6	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	5 µg/m <sup>3</sup>
7	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	5 µg/m <sup>3</sup>
8	Lead (Pb)	µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>
9	Nickle (Ni)	ng/m <sup>3</sup>	1 ng/m <sup>3</sup>
10	Arsenic (As)	ng/m <sup>3</sup>	1 ng/m <sup>3</sup>
11	Benzene	µg/m <sup>3</sup>	1 µg/m <sup>3</sup>
12	Benzo(o)Pyrene	ng/m <sup>3</sup>	0.1 ng/m <sup>3</sup>
14	Hydro Carbon	µg/m <sup>3</sup>	1 µg/m <sup>3</sup>

### Stack Emission Monitoring

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

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

# **Annexure – 2**



APSEZL/EnvCell/2021-22/092

Date: 18.12.2021

To,

✓ **The Member Secretary,**  
Gujarat Pollution Control Board,  
Paryavaran Bhavan, Sector 10- A,  
Gandhinagar – 382 010.

**Subject:** Submission of Monthly Analysis Reports (Third Party) of CETP operated by MPSEZ Utilities Limited for the month of **October – 2021** and **November – 2021**.

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports of wastewater inlet & outlet, Ambient Air Quality and Ambient Noise Quality carried out by NABL / MoEF&CC recognized laboratory as per **Annexure – I** for the month of **October – 2021** and **November – 2021**.

The reports are submitted here-with in view of the EC granted by SEIAA, Gandhinagar vide their letter no. SEIAA/GUJ/EC/7(h)/43/2010 dated 20<sup>th</sup> Feb, 2010.

The soil and groundwater (borehole) reports are submitted here-with in view of the CC&A granted by GPCB, Gandhinagar vide their letter no. PC/CCA-KUTCH-644(6)/GPCB ID-10605/594050 dated 2<sup>nd</sup> July, 2021.

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

**For, MPSEZ Utilities Limited**

Authorized Signatory

Mukul Varshney  
21/12/2021

28/12/21  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010.

**CC To:****The Regional Officer,** Regional Office, GPCB (Kutch – East), Gandhidham.

28/12/2021  
21/12/2021

Ashu

MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani House,  
Nr. Mithakhali Circle, Navrangpura,  
Ahmedabad 380 009  
Gujarat, India

Tel +91 79 2555 5801  
Fax +91 79 2555 6490  
info@adani.com  
www.adani.com  
CIN: U45209GJ2007PTC051323

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

APSEZL/EnvCell/2022-23/002

Date: 13.04.2022

To,

✓ **The Member Secretary,**  
Gujarat Pollution Control Board,  
Paryavaran Bhavan, Sector 10- A,  
Gandhinagar – 382 010.

**Subject:** Submission of Monthly Analysis Reports (Third Party) of CETP operated by MPSEZ Utilities Limited for the month of **March 2022**.

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports of inlet & outlet of CETP, Ambient Air Quality and Ambient Noise Quality carried out by NABL / MoEF&CC recognized laboratory as per **Annexure – I** for the month of **March 2022**.

The reports are submitted here-with in view of the EC granted by SEIAA, Gandhinagar vide their letter no. SEIAA/GUJ/EC/7(h)/43/2010 dated 20<sup>th</sup> Feb, 2010.

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

**For, MPSEZ Utilities Limited**

Authorized Signatory

*Mukul Varshney*  
13/4/2022

CC To:**The Regional Officer, Regional Office, GPCB (Kutch – East), Gandhidham.**

MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani Corporate House, Shantigram,  
Nr. Vaishno Devi Circle, S. G. Highway,  
Khodiyar, Ahmedabad - 382421  
Gujarat, India

Tel +91 79 2555 5801  
Fax +91 79 2555 6490  
info@adani.com  
www.adani.com  
CIN: U45209GJ2007PLC051323

*Ashu*  
13/04/2022

*18/04/22*  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010

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

# **Annexure – 3**

To,  
✓ **The Member Secretary,**  
Gujarat Pollution Control Board,  
Paryavaran Bhavan, Sector 10- A,  
Gandhinagar – 382 010.

**Subject:** Submission of Monthly Analysis Reports along with receiving quantity of Industrial effluent and domestic sewage of units and Mundra Village connected with CETP operated by MPSEZ Utilities Limited for the month of **March 2022**.

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports along with receiving quantity of the Industrial effluent and domestic sewage received from following at CETP for the month of **March 2022**.

Sr. No.	Unit Name	Type of Effluent
1.	M/s. Dorf Ketal Chemicals India Pvt. Ltd.	Industrial Effluent
2.	M/s. Ahlstrom Munksjo Fibercomposites India Pvt. Ltd.	Industrial Effluent
3.	M/s. Skaps Industries India (Pvt.) Ltd. (Unit – I)	Domestic Sewage
4.	M/s. Skaps Industries India (Pvt.) Ltd. (Unit – II)	Domestic Sewage
5.	Mundra SEZ Integrated Textile Apparel Park Pvt. Ltd.	Domestic Sewage
6.	Mundra Village	Domestic Sewage

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

Authorized Signatory

*M. K. V. Varshney*  
13/4/2022

CC To:

The Regional Officer, Regional Office, GPCB (Kutch – East), Gandhidham.

*Bhup*  
13/04/2022

*Ashu*

*18/04/22*  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010

MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani Corporate House, Shantigram,  
Nr. Vaishno Devi Circle, S. G. Highway,  
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Tel +91 79 2555 5801  
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www.adani.com  
CIN: U45209GJ2007PLC051323

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

# **Annexure – 4**

### Details of Water Consumption (Oct – 21 to Mar – 22)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Oct-21	255.00	51.00	204.00
2.	Nov-21	163.00	32.60	130.40
3.	Dec-21	165.00	33.00	132.00
4.	Jan-22	246.00	49.20	196.80
5.	Feb-22	162.00	32.40	129.60
6.	Mar-22	202.00	40.40	161.60
	<b>Total</b>	<b>1193</b>	<b>239</b>	<b>954</b>
	<b>Avg. per Day</b>	<b>6.5</b>	<b>1.3</b>	<b>5.2</b>

### Collected Quantity of Trade Effluent and Treated Water Discharge

(Oct – 21 to Mar – 22)

Sr. No.	Month	Effluent & Sewage collected from member units + CETP in KL	Treated water Discharge in KL
1	Oct-21	15145	19451
2	Nov-21	19536	17809
3	Dec-21	21730	20269
4	Jan-22	22253	22279
5	Feb-22	20239	19782
6	Mar-22	23503	22184
<b>Total Quantity</b>		<b>122406</b>	<b>121774</b>
<b>Avg. Quantity per Day</b>		<b>669</b>	<b>665</b>

# **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:325097 - Analysis Completion:16/03/2022

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
7347**

**TEST REPORT**

**Test Report No. : 7347**

**Date: 17/03/2022**

- |   |   |
|---|---|
| <b>1. Name of the Customer</b>                          | <b>: MPSEZ Utilities Ltd. (MUL) - 10605</b>   |
| <b>2. Address</b>                                       | <b>: SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),MUNDRA</b> |
| <b>3. Nature of Sample</b>                              | <b>: PRJ-Project, (Insp Type : HOR-H.O.Reference)</b>   |
| <b>4. Sample Collected By</b>                           | <b>: Mr. Ghatalia kalpesh c</b>   |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 lits</b>   |
| <b>6. Code No. of the Sample</b>                        | <b>: 325097</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 02/03/2022 , (1535 to 1540) &amp; 05/03/2022</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 05/03/2022 &amp; 16/03/2022</b>  |
| <b>9. Sampling Point</b>                                | <b>: From Inlet of CETP ~</b>   |
| <b>10. Flow Details (Remarks)</b>                       | <b>:</b>  |
| <b>11. Mode of Disposal</b>                             | <b>: Further treated into CETP</b>  |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>   |
| <b>13. Temperature on Collection</b>                    | <b>: 30 &amp; pH Range on pH Strip :7-8 on pH strip</b>                                       |
| <b>14. Carboys Nos for</b>                              | <b>: Barcode &amp; Color &amp; Appearance :Slight greyish</b>                                 |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                             |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	30
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	6.89
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	50
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1844
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	68
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	14
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	570
8	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	330
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	442
10	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	3.2
11	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.0
12	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	N.A
13	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	N.A.
14	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	N.A.
15	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	167

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 17/03/2022

*T. C. Barmada*

**T.C Barmada, ROH**

**Field Observation :**

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

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



**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:325098 - Analysis Completion:16/03/2022

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
7348**

**TEST REPORT**

**Test Report No. : 7348**

**Date: 17/03/2022**

- |   |   |
|---|---|
| <b>1. Name of the Customer</b>                          | <b>: MPSEZ Utilities Ltd. (MUL) - 10605</b>   |
| <b>2. Address</b>                                       | <b>: SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),MUNDRA</b> |
| <b>3. Nature of Sample</b>                              | <b>: PRJ-Project, (Insp Type : HOR-H.O.Reference)</b>   |
| <b>4. Sample Collected By</b>                           | <b>: Mr. Ghatalia kalpesh c</b>   |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 lits</b>   |
| <b>6. Code No. of the Sample</b>                        | <b>: 325098</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 02/03/2022 , (1535 to 1540) &amp; 05/03/2022</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 05/03/2022 &amp; 16/03/2022</b>  |
| <b>9. Sampling Point</b>                                | <b>: From Outlet of CETP ~</b>  |
| <b>10. Flow Details (Remarks)</b>                       | <b>:</b>  |
| <b>11. Mode of Disposal</b>                             | <b>: on land for plantation and gardening within premises</b>                                 |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>   |
| <b>13. Temperature on Collection</b>                    | <b>: 30 &amp; pH Range on pH Strip :7-8 on pH strip</b>                                       |
| <b>14. Carboys Nos for</b>                              | <b>: Barcode &amp; Color &amp; Appearance :colorless</b>                                      |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                             |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	30
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	7.87
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	40
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1436
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	26
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standai	1 - 2000 mg/l.	5.6
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	47
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	410
9	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	260
10	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	69
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.6
12	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 – 50 mg/l	0.0
13	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	N.A.
14	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	N.A.
15	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	N.A
16	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	22

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 17/03/2022

*T. C. Barmada*

**T.C Barmada, ROH**

**Field Observation** : -

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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 ammended by Second and Third ammendment 1993 for Effluents

8. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.

9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

# **Annexure – 6**

## Photographs of Sodium Hypochloride Dosing tank



# **Annexure – 7**



**MPSEZ UTILITIES LIMITED, MUNDRA**  
**INTEGRATED MANAGEMENT SYSTEM PROCEDURES MANUAL**

ASSET/ F/ 003

**COMMON EFFLUENT TREATMENT PLANT (CETP)**

								Location:	MUL - CETP			
								Date:	31/03/2022			
TIME	pH Value				DO Value (mg/L)		Meter Reading	Initial	Final	Difference	Remarks	
	Eq. Tank-1	Eq. Tank-2	Guard Pond	Final Outlet	Aeration Tank-1	Aeration Tank-2	Time of Reading Taken					
8:00 AM		8.1	8.1	8.1		3.1	Energy Meter Reading in KWH	8:00 AM	8:00 AM			
12:00 PM		8.1	8.1	8.1		3.0	Sector-5 Inlet Flow meter in KL (F1)	36277	36305	28		
16:00 PM		8.1	8.2	8.2		2.9	MITAP Area Inlet flow meter in KL (F2)	282702	282705	03		
20:00 PM		8.1	8.2	8.2		3.1	Final Treated Water Outlet Flow meter (F3)	118021	118721	700		
00:00 AM		8.1	8.2	8.2		3.1	Mundra Village Sewage Flow Meter in KL (F4)	10869	11545	676		
4:00 AM		8.2	8.2	8.2		3.1	Fresh Water Consumption Flow meter (F5)	102771	103253	482		
								27732	27737	05		

Chemical Consumption in Kg					Hazardous Waste				
Name of Chemical	Opening	Closing	Difference	Remarks	Sludge Disposal	Generation in Kg	Disposed in Kg	Stock as on Date	Remarks
um Hypochlorite	9260	9220	40	Lit	CETP Sludge		25/03		
Alum Solid	784	776	8	kg			9910	3000	
Polyelectrolyte	28.2	27.7	0.5	009m	Status of CEQMS	pH	TSS (mg/L)	COD (mg/L)	BOD (mg/L)
HCl	210	210			Value	8.16	20.0	106.0	51.2
								37.3	1. m

Name & Sign of Operator

*[Signature]*

Name & Sign of Incharge

*[Signature]*



# **Annexure – 8**





# Ambuja Cement Ltd ( Unit - Ambuja ) [17221]

**Manifest No:**  
**1464931**  
**26/11/2021**

**Copy 6**

To be forwarded by To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

Sender's Details					
<b>Sender Name</b>	MPSEZ Utilities Ltd. (MUL) [10605]				
<b>Address</b>	SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),VILL MUNDRA Taluka :MUN Distict:KUT Pin no:370421				
<b>Contact Details</b>	9687678443 chiragsing.rajpoot@adani.com	<b>GPS Coordinates</b>	Lat :22.4800 Long :69.4200		
Receiver's Details					
<b>State</b>	Gujarat	<b>Type of Facility</b>	Co- processing		
<b>Facility Details</b>	Ambuja Cement Ltd ( Unit - Ambuja ) [17221]				
<b>Contact Details</b>	8755110707 devendrasingh.chauhan@ambujacement.co m	<b>GPS Coordinates</b>	Lat :20.8360 Long:70.6916		
<b>Address</b>	PO : Ambujanagar , 362715,Taluka - Kodinar , District - Junagadh Taluka :KOD Distict:GSM Pin no:362715				
Waste Details					
<b>Waste Details</b>	I~35~35.3~Chemical sludge from waste water treatment				
<b>Waste Intended for</b>	Co-Processing	<b>Total Qty</b>	8.120MT	<b>Consistency</b>	Solid
Transporter Details					
<b>Name</b>	Sathi Enterprise	<b>Contact Details</b>	9998912166 sathienterprise77@gmail.com		
<b>Address</b>	Po SADAU,Mundra District :Kutch East Taluka :Mundra				
Vehicle Details					
<b>Vehicle no</b>	GJ12BY3381	<b>GPS Enabled</b>	Yes	<b>Type of Vehicle</b>	Truck
<b>Driver name</b>	Mamad Sameja	<b>Driver Contact No</b>	9998912166		
Waste Transportation Details					
<b>Vehicle Depart.</b>	26/11/2021 7:30PM	<b>Number of Drums</b>	0	<b>Loose Waste</b>	8.120
<b>Remarks</b>	Chemical sludge from waste water treatment (CETP Sludge) - Sch-I/35.3 @ Qty. 8.120 MT SENT FOR CO-PROCESSING AT AMBUJA CEMENT LTD, KODINAR		<b>No of bags</b>	600	
<b>Sender's Declaration :</b> 1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations. 2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.					
<b>Name and stamp of sender:</b> 		<b>Date:</b>		<b>Signature:</b> 	
<b>Transporter's Acknowledgement of Receipt of waste</b> <b>Stamp:</b>					
		<b>Date:</b>		<b>Signature:</b>	
<b>Receiver's Certification of Receipt of Hazardous waste</b>					

**Stamp:**

**Date:**

**Signature:**



**Ambuja Cement Ltd ( Unit - Ambuja ) [17221]**

**Manifest No:**  
**1588314**  
**22/03/2022**

**Copy 6**

To be forwarded by To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

Sender's Details					
<b>Sender Name</b>	MPSEZ Utilities Ltd. (MUL) [10605]				
<b>Address</b>	SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),VILL MUNDRA Taluka :MUN Distict:KUT Pin no:370421				
<b>Contact Details</b>	9687678443 chiragsing.rajpudt@adani.com	<b>GPS Coordinates</b>	Lat :22.4800 Long :69.4200		
Receiver's Details					
<b>State</b>	Gujarat	<b>Type of Facility</b>	Co- processing		
<b>Facility Details</b>	Ambuja Cement Ltd ( Unit - Ambuja ) [17221]				
<b>Contact Details</b>	8755110707 devendrasingh.chauhan@ambujacement.co m	<b>GPS Coordinates</b>	Lat :20.8360 Long:70.6916		
<b>Address</b>	PO : Ambujanagar , 362715,Taluka - Kodinar , District - Junagadh Taluka :KOD Distict:GSM Pin no:362715				
Waste Details					
<b>Waste Details</b>	I~35~35.3~Chemical sludge from waste water treatment				
<b>Waste Intended for</b>	Co-Processing	<b>Total Qty</b>	9.230MT	<b>Consistency</b>	Solid
Transporter Details					
<b>Name</b>	Sathi Enterpris	<b>Contact Details</b>	9998912166 sathienterprise77@gmail.com		
<b>Address</b>	Po SADAU,Mundra District :Kutch East Taluka :Mundr,Sadau District :Kutch East Taluka :Mundra				
Vehicle Details					
<b>Vehicle no</b>	GJ12BX6130	<b>GPS Enabled</b>	Yes	<b>Type of Vehicle</b>	Truck
<b>Driver name</b>	Juvansang Jadeja	<b>Driver Contact No</b>	9023513429		
Waste Transportation Details					
<b>Vehicle Depart.</b>	22/03/2022 7:30PM	<b>Number of Drums</b>	0	<b>Loose Waste</b>	9.230
<b>Remarks</b>	Chemical sludge from waste water treatment (CETP Sludge) - Sch-I/35.3 @ Qty. 9.230 MT SENT FOR CO-PROCESSING AT AMBUJA CEMENT LTD, KODINAR		<b>No of bags</b>	360	
<b>Sender's Declaration :</b> 1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations. 2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.					
<b>Name and stamp of sender:</b> 		<b>Date:</b> _____ <b>Signature:</b> 			
<b>Transporter's Acknowledgement of Receipt of waste</b> <b>Stamp:</b> _____ <b>Date:</b> _____ <b>Signature:</b> _____					
<b>Receiver's Certification of Receipt of Hazardous waste</b>					

**Stamp:**

**Date:**

**Signature:**



**Ambuja Cement Ltd ( Unit - Ambuja ) [17221]**

**Manifest No:**  
**1591974**  
**25/03/2022**

**Copy 6**

To be forwarded by To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

Sender's Details					
Sender Name	MPSEZ Utilities Ltd. (MUL) [10605]				
Address	SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),VILL MUNDRA Taluka :MUN Distict:KUT Pin no:370421				
Contact Details	9687678443 chiragsing.rajput@adani.com	GPS Coordinates	Lat :22.4800 Long :69.4200		
Receiver's Details					
State	Gujarat	Type of Facility	Co- processing		
Facility Details	Ambuja Cement Ltd ( Unit - Ambuja ) [17221]				
Contact Details	8755110707 devendrasingh.chauhan@ambujacement.co m	GPS Coordinates	Lat :20.8360 Long:70.6916		
Address	PO : Ambujanagar , 362715,Taluka - Kodinar , District - Junagadh Taluka :KOD Distict:GSM Pin no:362715				
Waste Details					
Waste Details	I~35~35.3~Chemical sludge from waste water treatment				
Waste Intended for	Co-Processing	Total Qty	9.910MT	Consistency	Solid
Transporter Details					
Name	Sathi Enterpris	Contact Details	9998912166 sathienterprise77@gmail.com		
Address	Po SADAU,Mundra District :Kutch East Taluka :Mundr,Sadau District :Kutch East Taluka :Mundra				
Vehicle Details					
Vehicle no	GJ02ZZ5264	GPS Enabled	Yes	Type of Vehicle	Truck
Driver name	Amul Lakha Sodham	Driver Contact No	9638470633		
Waste Transportation Details					
Vehicle Depart.	25/03/2022 7:00PM	Number of Drums	0	Loose Waste	9.910
Remarks	Chemical sludge from waste water treatment (CETP Sludge) - Sch-I/35.3 @ Qty. 9.910 MT SENT FOR CO-PROCESSING AT AMBUJA CEMENT LTD, KODINAR		No of bags	350	
<b>Sender's Declaration :</b> 1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations. 2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.					
Name and stamp of sender:				Date:	Signature: 
<b>Transporter's Acknowledgement of Receipt of waste</b>					
Stamp:		Date:		Signature:	
<b>Receiver's Certification of Receipt of Hazardous waste</b>					

Stamp:

Date:

Signature:

# **Annexure – 9**



Env Cell/MUL/CETP/EAR/2022/097

Date: 20.01.2022

To,

**The Member Secretary,**  
Gujarat Pollution Control Board,  
Paryavaran Bhavan,  
Sector - 10A,  
Gandhinagar - 382010.

N.N.8  
24/01/2022  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010.

**Subject:** Submission of Environmental Audit Report of our CETP (MUL) for the period of 01.04.2021 to 30.09.2021.

**Reference:** Consent Order No. AWH-113221 issued dated 10.06.2021 & valid up-to 07.04.2026, GPCB ID: 10605

Dear Sir,


With reference to the above stated and reference, please find enclosed environmental audit report for the half year ending on 30<sup>th</sup> September, 2021. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities Ltd. (MUL)
Address of the Industry	:	S. No. / Plot No. 141 (Part) Village & Taluka: Mundra, Dist: Kutch - 370421.
Activity	:	Common Effluent Treatment Plant (2.5 MLD Capacity)
EC No.	:	SEIAA/GUJ/EC/7(h)/43/2010 dated 20.02.2010
CC&A Order No.	:	AWH-113221 dated 10.06.2021, valid up to 07.04.2026
Audit Period	:	Apr-21 to Sep-21
UTR No.	:	AXISCN0118662582, dated 17.01.2022
Bank Name	:	Axis Bank Ltd.
Total Amount	:	Rs. 20,000/- (INR Twenty Thousand only)
Pay to	:	Gujarat Pollution Control Board, Gandhinagar

Kindly accept and acknowledge the same.

Thanking you.

**For, MPSEZ Utilities Limited**

  
**Authorized Signatory**

**Encl:**

- Three copies of Environmental Audit Report (EAR)
- Payment Advice (INR 20,000/-)

MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani House,  
Nr. Mithakhali Circle, Navrangpura,  
Ahmedabad 380 009  
Gujarat, India

Tel +91 79 2555 5801  
Fax +91 79 2555 6490  
info@adani.com  
www.adani.com  
CIN: U45209GJ2007PTC051323

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

# **Annexure – 10**

**1. Name & address of Industry :** Dorf Ketal Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=752790,Kilo Litre=12852

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 10614 / 395 / 1843 / 0

**9. Electricity consumed in PRODUCTION :** 1253622 **ETP/CETP :** 50124 **APCM :** 9426

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,ldo

**11. Products :** cold filter plug point (cfpp) products (anti freezing oil additives),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),Sodium bi-sulphide solution (By-product),tetra iso-propyl titanate(tpt),tpt based titanates,Wax (IM 3027), by-product

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=31.625,INC. Waste for Incineration=4.260,Co-Incineration Waste to other Industry=161.570,Trucks despatched=33

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	503.600-M.T	
FUE	FUR	fo	67.143-M.T	
FUE	LDO	ldo	2.430-KLT	
GAS		HCL	0.060-KGS	
GAS		NH3	21.760-KGS	
GAS		NOX	641.380-KGS	
GAS		PM	1090.420-KGS	
GAS		SO2	853.150-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	28.100-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	4489.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	468.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	7.300-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	79.000-M.T	
PRD	81422	tpt based titanates	726.000-M.T	
PRD	256930	wax (im 3027), by-product	48.650-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDf Name	H.W Remark / Qty
1441129-30/10/2021	MH04GR3963-30/10/2021		Empty drums and Barrels-33.11 3.755 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1440004-29/10/2021	GJ12AZ5021-29/10/2021		chemical sludge from wastewater treatment-34.1 15.980 MTS (35.3)
1437830-27/10/2021	MH04EL6308-27/10/2021		Empty drums and barrels-33.11 1.825 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1437838-27/10/2021	DN09R9545-27/10/2021		Empty IBCs-33.11 2.190 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1437673-27/10/2021	GJ18T9787-27/10/2021		Process Waste-28.1 9.690 MTS (28.1)
1437103-27/10/2021	GJ12Y5354-27/10/2021		PROCESS WASTE-28.1 19.425 MTS (28.1)
1436714-26/10/2021	RJ27GC9431-26/10/2021		Waste Name diifferent i.e. Spent catalyst-35.2 16.320 MTS (35.2)
1435621-25/10/2021	DN09R9238-25/10/2021		EMPTY DRUMS-33.1 1.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1435714-25/10/2021	GJ12AZ5012-25/10/2021		chemical sludge from wastewater treatment-34.1 15.030 MTS (35.3)

1435717-25/10/2021	GJ09Z9392-25/10/2021		Process Waste-28.1 10.540 MTS (28.1)
1433998-23/10/2021	DN09R9046-23/10/2021		Empty drums and Barrels-33.11 1.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1433570-23/10/2021	DN09P9879-23/10/2021		Empty Drums and Barrels-33.11 3.640 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1432973-22/10/2021	DN09R9160-22/10/2021		Empty drums and barrels-33.11 3.775 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1431992-21/10/2021	GJ09AV3708-21/10/2021		Distillation Residue-36.4 17.285 MTS (36.1)
1431073-20/10/2021	DN09R9763-20/10/2021		EMPTY DRUMS-33.1 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1430211-19/10/2021	GJ09AV9108-19/10/2021		Distillation Residue-36.4 18.580 MTS (36.1)
1427908-16/10/2021	DN09R9046-16/10/2021		Empty drums and Barrels-33.11 1.820 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1426818-14/10/2021	GJ12BX6183-14/10/2021		MIXED SOLVENT-20.1 17.384 MTS (20.1)
1426052-13/10/2021	GJ12BW8954-13/10/2021		SOLVENT 20.730 MTS (20.2)
1425257-12/10/2021	GJ09AV9108-12/10/2021		Distillation Residue-36.4 16.600 MTS (36.1)
1425122-13/10/2021	MH06AQ3067-12/10/2021		USED OIL-5.1 14.000 MTS (5.1)
1424966-12/10/2021	DN09R9763-12/10/2021		EMPTY DRUMS-28.1 1.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1424995-12/10/2021	GJ18AX0303-12/10/2021		Waste Name changed i.e. Filters and filters materials/Contaminated Cotton Waste-35.1  4.260 MTS (35.1)
1424750-12/10/2021	GJ27TT2185-12/10/2021		PROCESS RESIDUE-28.1 10.030 MTS (28.1)
1424127-11/10/2021	DN09P9889-11/10/2021		EMPTY DRUMS-33.1 3.650 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1421655-07/10/2021	DN09R9310-07/10/2021		EMPTY DRUMS-33.1 3.672 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1421619-07/10/2021	GJ27TT9027-07/10/2021		PROCESS RESIDUE-28.1 11.805 MTS (28.1)
1421354-07/10/2021	MH04EL6307-07/10/2021		empty drums-33.1 1.755 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1419719-05/10/2021	GJ27TT4925-05/10/2021		empty drums-33.1 3.765 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)



1419873-05/10/2021	GJ12Z9946-05/10/2021		PROCESS WASTE-28.1 21.020 MTS (28.1)
1418530-03/10/2021	DN09P9874-03/10/2021		Empty drums and barrels-33.11 1.945 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1417603-01/10/2021	GJ01DX8840-01/10/2021		PROCESS RESIDUE-28.1 10.275 MTS (28.1)
1417247-01/10/2021	DN09P9876-01/10/2021		EMPTY DRUMS-33.1 3.845 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

**1. Name & address of Industry :** Dorf Ketel Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=763511,Kilo Litre=10721

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8643 / 389 / 1689 / 0

**9. Electricity consumed in PRODUCTION :** 1169653 **ETP/CETP :** 49013 **APCM :** 9426

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,ldo

**11. Products :** cold filter plug point (cfpp) products (anti freezing oil additives),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),tetra iso-propyl titanate(tpt),tpt based titanates

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):**

Return NOT Entered

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	479.000-M.T	
FUE	FUR	fo	63.902-M.T	
FUE	LDO	ldo	1.973-KLT	
GAS		HCL	0.040-KGS	
GAS		NH3	20.270-KGS	
GAS		NOX	686.040-KGS	
GAS		PM	1140.210-KGS	
GAS		SO2	891.290-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	460.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3661.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	273.000-M.T	
PRD	81422	tpt based titanates	350.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1468841-30/11/2021	HR649025-30/11/2021		Salt of Ammonium chloride 24.180 MTS (C2)
1468674-30/11/2021	GJ27TT9027-30/11/2021		process residue-28.1 10.295 MTS (28.1)
1468438-30/11/2021	HR56A9077-30/11/2021		Salt of Ammonium chloride 29.465 MTS (C2)
1467789-29/11/2021	MH10CR6800-29/11/2021		Salt of Ammonium chloride 23.705 MTS (C2)
1467666-29/11/2021	GJ09AV3708-29/11/2021		Distillation Residue-36.4 17.865 MTS (36.1)
1465558-27/11/2021	HR39D7022-27/11/2021		Salt of Ammonium Chloride 32.855 MTS (C2)
1464499-26/11/2021	GJ12AW0685-26/11/2021		MIXED SOLVENTS-20.1 20.000 MTS (20.1)
1464549-26/11/2021	RJ14GJ1133-26/11/2021		Salt of Ammonium chloride 24.900 MTS (C2)
1464825-26/11/2021	GJ12AT7363-26/11/2021		Chemical sludge from waste water treatment -34.3 14.470 MTS (35.3)
1464668-26/11/2021	GJ01DX8840-26/11/2021		Process Waste-28.1 10.300 MTS (28.1)
1464017-26/11/2021	HR32D0259-26/11/2021		Salt of Ammonium chloride 27.300 MTS (C2)

1463430-25/11/2021	DN09P9889-25/11/2021		EMPTY DRUMS-33.1 3.565 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1463309-25/11/2021	RJ23GA5014-25/11/2021		Salt of Ammonium chloride 24.080 MTS (C2)
1463700-25/11/2021	GJ12BT5201-25/11/2021		WASTE NAME CHANGED i.e. FILTER AND FILTER MATERIALS/ CONTAMINATED COTTONE WASTE-35.1 5.710 MTS (35.1)
1462508-24/11/2021	RJ10GB2202-24/11/2021		Salt of Ammonium Chloride 20.940 MTS (C2)
1462393-24/11/2021	DN09R9046-24/11/2021		EMPTY DRUMS-33.1 1.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1462039-24/11/2021	HR56A8703-24/11/2021		Salt of Ammonium Chloride 29.570 MTS (C2)
1460851-23/11/2021	HR56A7220-23/11/2021		Salt of Ammonium chloride 29.900 MTS (C2)
1461183-23/11/2021	MH04GR3963-23/11/2021		EMPTY DRUMS-33.1 2.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1460947-23/11/2021	MH04GR3968-23/11/2021		EMPTY DRUMS-33.1 1.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1460865-23/11/2021	RJ05GB7171-23/11/2021		Salt of Ammonium chloride 24.175 MTS (C2)
1459773-22/11/2021	DN09R9763-22/11/2021		EMPTY DRUMS-33.1 3.510 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1460158-22/11/2021	GJ27TT2185-22/11/2021		PROCESS RESIDUE-28.1 9.285 MTS (28.1)
1459011-21/11/2021	GJ12AW0585-21/11/2021		Spent catalyst-35.2 with different waste name 17.315 MTS (35.2)
1457782-20/11/2021	DN09P9879-20/11/2021		Empty Barrel-33.3 3.500 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1457101-19/11/2021	HR56A7906-19/11/2021		Salt of Ammonium Chloride 22.400 MTS (C2)
1457398-19/11/2021	HR39B6396-19/11/2021		salt of ammonium chloride 22.925 MTS (C2)
1457019-19/11/2021	HR39C6437-19/11/2021		Salt of Ammonium Chloride 29.835 MTS (C2)
1456881-19/11/2021	HR39C6437-19/11/2021		Salt of ammonium chloride 29.835 MTS (C2)
1456382-18/11/2021	RJ14GH9338-18/11/2021		Salt of Ammonium chloride 23.860 MTS (C2)
1456387-18/11/2021	RJ05GB7181-18/11/2021		Salt of Ammonium chloride 24.340 MTS (C2)

1178458-18/11/2020	GJ12AZ5021-18/11/2021		Different Waste name i.e. Spent Catalyst-35.2 9.975 MTS (35.2)
1456244-18/11/2021	MH04GR3965-18/11/2021		EMPTY DRUMS-33.1 2.035 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1456234-18/11/2021	GJ12AZ5021-18/11/2021		WASTE NAME CHANGED i.e. FILTER AND FILTER MATERIALS/ CONTAMINATED COTTONE WASTE-35.1 7.725 MTS (35.1)
1456099-18/11/2021	GJ09AV2244-18/11/2021		Spent catalyst-35.2 with different waste name 16.975 MTS (35.2)
1456084-18/11/2021	HR56A7734-18/11/2021		Salt of Ammonium Chloride 27.770 MTS (C2)
1456015-18/11/2021	MH43Y0877-18/11/2021		Process waste-28.1 20.700 MTS (28.1)
1455273-17/11/2021	HR39D7022-17/11/2021		Salt of Ammonium chloride 29.060 MTS (C2)
1455296-17/11/2021	GJ12BT0251-17/11/2021		Chemical sludge from waste water treatment -34.3 16.290 MTS (35.3)
1455371-17/11/2021	HR628060-17/11/2021		Salt of Ammonium Chloride 22.320 MTS (C2)
1454159-16/11/2021	HR74A2200-16/11/2021		Salt of Ammonium Chloride 21.490 MTS (C2)
1454092-16/11/2021	MH04GR3963-16/11/2021		Empty drums and Barrels-33.11 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1453614-16/11/2021	GJ27TT2185-16/11/2021		Process Waste-28.1 8.635 MTS (28.1)
1450168-12/11/2021	RJ27GA3345-12/11/2021		Spent catalyst-35.2 with different waste name 16.380 MTS (35.2)
1450163-12/11/2021	MH04GR3963-12/11/2021		EMPTY DRUMS-33.1 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1448138-10/11/2021	GJ15AV0084-10/11/2021		PROCESS RESIDUE-28.1 21.310 MTS (28.1)
1448054-10/11/2021	GJ01DX8840-10/11/2021		PROCESS RESIDUE-28.1 9.775 MTS (28.1)
1446774-09/11/2021	MH04EL6305-09/11/2021		EMPTY DRUMS-33.1 3.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1447204-09/11/2021	MH04EL6308-09/11/2021		Empty BARREL-33.3 1.940 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1446211-08/11/2021	DN09P9870-08/11/2021		EMPTY DRUMS-33.1 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1446389-08/11/2021	GJ12AZ5012-08/11/2021		chemical sludge from waste water treatment-34.3 14.600 MTS (35.3)



1445287-06/11/2021	DN09P9868-06/11/2021		Empty Barrel-33.3 3.585 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1444489-03/11/2021	GJ23AT2182-03/11/2021		EMPTY DRUMS-33.1 1.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1444502-03/11/2021	GJ09AV3708-03/11/2021		Spent catalyst-35.2 with different waste name 17.225 MTS (35.2)
1443665-02/11/2021	DN09R9238-02/11/2021		EMPTY DRUMS AND IBCS-33.1 2.120 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

**1. Name & address of Industry :** Dorf Ketel Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=774583,Kilo Litre=11072

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8873 / 397 / 1802 / 0

**9. Electricity consumed in PRODUCTION :** 1232086 **ETP/CETP :** 52020 **APCM :** 9426

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,ldo

**11. Products :** cold filter plug point (cfpp) products (anti freezing oil additives),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),tetra iso-propyl titanate(tpt),tpt based titanates

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):** Co-Incineration Waste to other Industry=133.545,Trucks  
despatched=53

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	527.000-M.T	
FUE	FUR	fo	72.439-M.T	
FUE	LDO	ldo	2.520-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	24.670-KGS	
GAS		NOX	901.340-KGS	
GAS		PM	1329.420-KGS	
GAS		SO2	1188.630-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	800.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	4002.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	263.000-M.T	
PRD	81422	tpt based titanates	560.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1501356-31/12/2021	HR56A7734-31/12/2021		Salt of Ammonium chloride 30.110 MTS (C2)
1500718-31/12/2021	RJ05GB7985-31/12/2021		Salt of Ammonium chloride 23.905 MTS (C2)
1500288-30/12/2021	DN09R9961-30/12/2021		EMPTY DRUMS-33.1 3.910 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1499113-29/12/2021	GJ12BW9243-29/12/2021		MIXED SOLVENT-20.1 24.130 MTS (20.1)
1499253-29/12/2021	HR56A8421-29/12/2021		Salt of Ammonium Chloride 29.215 MTS (C2)
1499150-29/12/2021	DN09P9866-29/12/2021		Empty Barrel-33.11 1.990 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1499076-29/12/2021	GJ01DX8840-29/12/2021		Process Waste-28.1 9.765 MTS (28.1)
1498056-28/12/2021	HR39D9573-28/12/2021		Salt of Ammonium chloride 26.555 MTS (C2)
1497897-28/12/2021	DN09R9046-28/12/2021		EMPTY DRUMS-33.1 1.945 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1493503-24/12/2021	PB13AL5707-24/12/2021		Salt of Ammonium chloride 32.695 MTS (C2)
1493316-24/12/2021	HR39E6994-24/12/2021		Salt of Ammonium Chloride 28.735 MTS (C2)

1492383- 23/12/2021	GJ15AT8833- 23/12/2021	EMPTY DRUMS-33.1 1.875 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1492374- 23/12/2021	RJ27GC9431- 23/12/2021	Spent Catalyst-35.2 with different waste name 16.530 MTS (35.2)
1491609- 23/12/2021	RJ05GB7985- 23/12/2021	Salt of Ammonium chloride 24.900 MTS (C2)
1490993- 22/12/2021	GJ27TT2185- 22/12/2021	Process Waste-28.1 9.735 MTS (28.1)
1490778- 22/12/2021	DN09P9868- 22/12/2021	EMPTY DRUMS-33.1 3.810 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1490698- 22/12/2021	RJ05GB6911- 22/12/2021	Salt of Ammonium chloride 24.330 MTS (C2)
1490005- 21/12/2021	DN09R9316- 21/12/2021	EMPTY DRUMS-33.1 3.915 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1489470- 21/12/2021	HR56A7220- 21/12/2021	Salt of Ammonium chloride 29.750 MTS (C2)
1486036- 17/12/2021	UK04CB2286- 17/12/2021	Salt of Ammonium chloride 25.485 MTS (C2)
1485254- 17/12/2021	RJ19GB2109- 17/12/2021	Salt of Ammonium chloride 24.940 MTS (C2)
1484828- 16/12/2021	HR63B2684- 16/12/2021	Salt of ammonium Chloride 28.760 MTS (C2)
1483720- 15/12/2021	HR56A9696- 15/12/2021	Salt of Ammonium chloride 27.520 MTS (C2)
1483691- 15/12/2021	DN09R9230- 15/12/2021	empty drums-33.1 1.875 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1482505- 14/12/2021	PB13AL5707- 14/12/2021	Salt of Ammonium Chloride 32.590 MTS (C2)
1481290- 13/12/2021	GJ21W3696- 13/12/2021	Distillation Residue-36.4 9.060 MTS (36.1)
1481287- 13/12/2021	GJ01DX8840- 13/12/2021	Process waste-28.1 9.960 MTS (28.1)
1481158- 13/12/2021	GJ19X7523- 13/12/2021	Spent catalyst-35.2 with different waste name 16.715 MTS (35.2)
1481273- 13/12/2021	GJ21W3696- 13/12/2021	WASTE NAME CHANGED i.e. FILTER AND FILTER MATERIALS/ CONTAMINATED COTTONE WASTE-35.1 5.440 MTS (35.1)
1481135- 13/12/2021	MH04EL6304- 13/12/2021	Empty Barrels & Drums-33.11 3.915 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1480860- 13/12/2021	MH43Y0877- 13/12/2021	Process Waste-28.1 23.295 MTS (28.1)

1479934-12/12/2021	MH04FP0983-12/12/2021		Empty drums-33.1 1.870 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1479279-11/12/2021	GJ27TT7168-11/12/2021		EMPTY DRUMS-33.1 1.920 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1479218-11/12/2021	HR56A8625-11/12/2021		Salt of Ammonium Chloride 28.405 MTS (C2)
1470832-10/12/2021	GJ15AV1506-10/12/2021		Empty Barrel-33.1 3.335 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1477784-10/12/2021	GJ27TT2185-10/12/2021		process residue-28.1 8.695 MTS (28.1)
1476858-09/12/2021	GJ12BT0152-09/12/2021		Chemical sludge from waste water treatment -34.3 18.290 MTS (35.3)
1476628-09/12/2021	GJ15XX3238-09/12/2021		Empty barrels and containers-33.11 3.700 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1475875-08/12/2021	RJ09GA5671-08/12/2021		salt of ammonium chloride 28.795 MTS (C2)
1475773-08/12/2021	GJ19X7523-08/12/2021		Distillation Residue-36.4 16.020 MTS (36.1)
1475691-08/12/2021	HR56A6900-08/12/2021		Salt of Ammonium chloride 28.795 MTS (C2)
1474462-07/12/2021	RJ14GD2296-07/12/2021		Salt of Ammonium chloride 21.700 MTS (C2)
1473763-06/12/2021	HR56A7220-06/12/2021		Salt of Ammonium chloride 29.990 MTS (C2)
1473543-06/12/2021	GJ27TT2185-06/12/2021		process residue-28.1 8.330 MTS (28.1)
1470896-03/12/2021	HR39D5392-03/12/2021		Salt of Ammonium Chloride 27.870 MTS (C2)
1471130-03/12/2021	DN09P9883-03/12/2021		Empty IBCs-33.11 2.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1470880-03/12/2021	GJ12BY8916-03/12/2021		MIXED SOLVENT-20.1 19.244 MTS (20.1)
1470831-03/12/2021	DN09R9238-03/12/2021		Empty Barrel-33.1 1.960 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1469989-02/12/2021	DN09P9879-02/12/2021		EMPTY DRUMS-33.1 1.975 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1470462-02/12/2021	GJ12BW7282-02/12/2021		Mixed solvent-20.1 17.161 MTS (20.1)
1470387-02/12/2021	PB13AL5707-02/12/2021		Salt of Ammonium chloride 32.720 MTS (C2)



1469808-01/12/2021	GJ12BY3082-01/12/2021		MIXED SOLVENTS-20.1 19.588 MTS (20.1)
1469769-01/12/2021	GJ12BX8879-01/12/2021		MIXED SOLVENS-20.1 17.926 MTS (20.1)

**1. Name & address of Industry :** Dorf Ketal Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=784771,Kilo Litre=10188

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8002 / 276 / 1910 / 0

**9. Electricity consumed in PRODUCTION :** 1230426 **ETP/CETP :** 60360 **APCM :** 9426

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,ldo

**11. Products :** cold filter plug point (cfpp) products (anti freezing oil additives),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),tetra iso-propyl titanate(tpt),tpt based titanates

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=31.525,Co-Incineration Waste to other Industry=171.115,Trucks despatched=52

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	481.200-M.T	
FUE	FUR	fo	74.614-M.T	
FUE	LDO	ldo	2.217-KLT	
GAS		HCL	0.080-KGS	
GAS		NH3	22.890-KGS	
GAS		NOX	964.340-KGS	
GAS		PM	1393.600-KGS	
GAS		SO2	1285.180-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	418.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	4451.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	230.000-M.T	
PRD	81422	tpt based titanates	634.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1534186-31/01/2022	RJ27GC9431-31/01/2022		Spent catalyst-35.2 with different waste name 16.600 MTS (35.2)
1534277-31/01/2022	GJ01DX8840-31/01/2022		Process residue-28.1 9.685 MTS (28.1)
1534158-31/01/2022	HR45B7566-31/01/2022		Salt of ammonium Chloride 24.140 MTS (C2)
1532195-29/01/2022	GJ12BX9739-29/01/2022		Mixed solvent-20.2 18.584 MTS (20.2)
1532104-29/01/2022	MH46AR7013-29/01/2022		Empty drums and barrels-33.11 3.790 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1531887-29/01/2022	GJ12BT9828-29/01/2022		Mixed solvent-20.2 19.224 MTS (20.2)
1531234-28/01/2022	GJ12AZ5021-28/01/2022		Chemical Sludge from waste water treatment-34.3 11.715 MTS (35.3)
1530974-28/01/2022	GJ12BW8643-28/01/2022		SOLVENTS 18.525 MTS (20.2)
1530998-28/01/2022	HR56A8703-28/01/2022		Salt of Ammonium Chloride 31.200 MTS (C2)
1529980-27/01/2022	RJ14GG1947-27/01/2022		Salt of ammonium chloride 31.400 MTS (C2)
1529781-27/01/2022	GJ15AT0737-27/01/2022		Empty IBCs-33.11 2.235 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1528278-26/01/2022	HR56A7220-26/01/2022		Salt of Ammonium Chloride 29.925 MTS (C2)
1527866-25/01/2022	GJ19Y7773-25/01/2022		Process Waste -28.1 24.790 MTS (28.1)
1526798-24/01/2022	GJ27TT1496-24/01/2022		EMPTY DRUMS-33.1 3.745 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1526235-24/01/2022	HR56A6900-24/01/2022		Salt of Ammonium Chloride 30.115 MTS (C2)
1524795-22/01/2022	GJ01DY2613-22/01/2022		Empty drums and Barrels-33.11 1.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1524724-22/01/2022	GJ27Y5809-22/01/2022		Empty IBCs-33.11 2.095 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1523661-21/01/2022	GJ01JT7172-21/01/2022		Empty drums-33.1 2.180 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1523677-21/01/2022	RJ23GB2805-21/01/2022		Salt Of Ammonium chloride 29.610 MTS (C2)
1522568-20/01/2022	HR64A5000-20/01/2022		salt of Ammonium chloride 33.585 MTS (C2)
1522564-20/01/2022	GJ19X7523-20/01/2022		Distillation residue-36.1 17.040 MTS (36.1)
1521492-19/01/2022	GJ01DX8840-19/01/2022		Process residue-28.1 10.010 MTS (28.1)
1521350-19/01/2022	GJ01DX8840-19/01/2022		Process Waste-28.1 0.010 MTS (28.1)
1520928-19/01/2022	HR39C6437-19/01/2022		Salt of Ammonium chloride 28.685 MTS (C2)
1519271-18/01/2022	PB13AL5707-18/01/2022		Salt of Ammonium chloride 33.200 MTS (C2)
1518839-17/01/2022	GJ15AT8833-17/01/2022		Empty drums and barrels-33.11 3.750 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1518988-17/01/2022	GJ23Y5573-17/01/2022		DISTILLATION RESIDUE-36.1 16.100 MTS (36.1)
1518040-17/01/2022	HR45B7566-17/01/2022		Salt of Ammonium chloride 23.840 MTS (C2)
1517302-16/01/2022	DD01E9304-16/01/2022		Empty drums and barrels-33.11 2.540 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1516397-15/01/2022	HR56A7220-15/01/2022		Salt of Ammonium chloride 29.400 MTS (C2)
1515748-13/01/2022	GJ01DZ9944-13/01/2022		Empty barrel-33.3 1.855 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1514806-12/01/2022	HR56A0052-12/01/2022		Salt of Ammonium Chloride 27.420 MTS (C2)
1514803-12/01/2022	GJ12BX7590-12/01/2022		MIXED SOLVENT-20.1 19.870 MTS (20.1)
1514610-12/01/2022	GJ27TT7168-12/01/2022		EMPTY DRUMS-33.1 2.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1514372-12/01/2022	GJ15AT7651-12/01/2022		empty drums-33.1 3.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1513075-11/01/2022	GJ15YY6316-11/01/2022		Process Waste-28.1 23.820 MTS (28.1)
1513546-11/01/2022	RJ11GB2890-11/01/2022		Salt of Ammonium chloride 21.495 MTS (C2)
1513130-11/01/2022	RJ05GB4681-11/01/2022		Salt of Ammonium chloride 27.035 MTS (C2)
1512119-10/01/2022	GJ12AW0585-10/01/2022		Spent catalyst -35.2 with different waste name 16.340 MTS (35.2)
1510023-08/01/2022	DD01C9561-08/01/2022		Empty IBCs-33.11 2.400 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1510049-08/01/2022	GJ12BT0215-08/01/2022		Chemical Sludge from waste water treatment-34.3 19.810 MTS (35.3)
1509409-08/01/2022	GJ27TT7168-08/01/2022		Empty Barrel-33.1 3.575 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1507838-06/01/2022	GJ01DX8840-06/01/2022		Process Waste-28.1 11.125 MTS (28.1)
1507955-06/01/2022	RJ32GB9218-06/01/2022		Salt of Ammonium chloride 28.700 MTS (C2)
1507897-06/01/2022	MH04FD7213-06/01/2022		EMPTY DRUMS-33.1 1.960 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1507431-06/01/2022	PB13AL5707-06/01/2022		Salt of Ammonium chloride 33.165 MTS (C2)
1505396-04/01/2022	GJ09Z9392-04/01/2022		Process Waste-28.1 9.605 MTS (28.1)
1505377-04/01/2022	GJ15AT3382-04/01/2022		EMPTY DRUMS-33.1 3.890 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1505022-04/01/2022	HR45B7566-04/01/2022		Salt of Ammonium Chloride 23.270 MTS (C2)
1504478-03/01/2022	GJ23Y5573-03/01/2022		DISTILLATION RESIDUE-36.1 15.990 MTS (36.1)
1504265-03/01/2022	HR56A7220-03/01/2022		Salt of Ammonium chloride 30.735 MTS (C2)



1501760-01/01/2022	PB11CF3967-01/01/2022		Salt of Ammonium chloride 26.925 MTS (C2)
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## Monthly Report from Industry

Form No D2

Gujarat Pollution Control Board

February , 2022

**1. Name & address of Industry :** Dorf Ketal Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=795072,Kilo Litre=10301

**Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable :** 8331 / 325 / 1645 / 0

**9. Electricity consumed in PRODUCTION :** 1181836 **ETP/CETP :** 49150 **APCM :** 10426

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,lido

**11. Products :** process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),tetra iso-propyl titanate(tpt),tpt based titanates

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):** INC. Waste for Incineration=2.195,Co-Incineration Waste to other Industry=173.660,Trucks despatched=56

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	565.800-M.T	
FUE	FUR	fo	71.367-M.T	
FUE	LDO	lido	2.430-KLT	
GAS		HCL	0.110-KGS	
GAS		NH3	22.580-KGS	
GAS		NOX	845.720-KGS	
GAS		PM	1235.250-KGS	
GAS		SO2	1112.580-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	968.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	112.000-M.T	
PRD	81422	tpt based titanates	163.000-M.T	

**N I C**

Date : 15/03/2022

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Company Seal

Authorised Signatory

Yours Faithfully

**Online Manifest Prepared**

MF ID- Date	Truck No- Date	TSDF Name	H.W Remark / Qty
1565131- 28/02/2022	GJ09AV2244- 28/02/2022		Distillation Residue-36.1 16.550 MTS (36.1)
1564744- 28/02/2022	HR64A5653- 28/02/2022		Salt of sodium chloride 22.000 MTS (C2)
1562589- 26/02/2022	GJ15XX3238- 26/02/2022		Empty IBCs-33.11 2.140 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1561951- 25/02/2022	GJ12Z9946- 25/02/2022		Process residue-28.1 21.820 MTS (28.1)
1561889- 25/02/2022	GJ27TT9810- 25/02/2022		Process residue-28.1 8.430 MTS (28.1)
1561689- 25/02/2022	GJ01JT7172- 25/02/2022		Empty drums-33.1 3.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1561611- 25/02/2022	GJ01JT7172- 25/02/2022		Empty drums and Barrels-33.11 3.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1560892- 24/02/2022	GJ02Z2757- 24/02/2022		Mixed solvent-20.1 21.320 MTS (20.1)
1560917- 24/02/2022	PB07BY4255- 24/02/2022		Salt of Ammonium Chloride 23.310 MTS (C2)
1560715- 24/02/2022	RJ14GD2225- 24/02/2022		Salt of Ammonium Chloride 23.310 MTS (C2)
1560108- 24/02/2022	HR38X0050- 24/02/2022		Salt of Ammonium Chloride 22.325 MTS (C2)
1559701- 23/02/2022	RJ10GB5163- 23/02/2022		Salt Of Ammonium Chloride 23.465 MTS (C2)
1558935- 23/02/2022	GJ12BX2117- 23/02/2022		Mixed solvents-20.1 19.885 MTS (20.1)
1558593- 22/02/2022	HR47D3378- 22/02/2022		Salt of Ammonium Chloride 21.430 MTS (C2)
1558213- 22/02/2022	RJ05GA7256- 22/02/2022		Salt of Ammonium Chloride 23.035 MTS (C2)
1558392- 22/02/2022	GJ15XX3238- 22/02/2022		EMPTY DRUMS-33.1 3.790 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1557120- 21/02/2022	GJ15AV1506- 21/02/2022		EMPTY DRUMS-33.1 1.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1556995- 21/02/2022	HR37C4977- 21/02/2022		Salt of Ammonium Chloride 22.030 MTS (C2)
1557143- 21/02/2022	GJ27TT9810- 21/02/2022		Process Residue-28.1 9.190 MTS (28.1)

**N I C**

Date : 15/03/2022

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Company Seal

Authorised Signatory

Yours Faithfully

1554846-19/02/2022	GJ15XX3238-19/02/2022	Empty drums and Barrels-33.11 3.845 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1554084-18/02/2022	RJ27GA3345-18/02/2022	Distillation Residue-36.1 15.095 MTS (36.1)
1554127-18/02/2022	HR63B1120-18/02/2022	Salt of Ammonium Chloride 18.620 MTS (C2)
1553597-18/02/2022	MH04EL6308-18/02/2022	Empty Drums & Barrels-33.11 1.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1552914-17/02/2022	DN09R9046-17/02/2022	EMPTY DRUMS-33.1 3.440 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1552041-16/02/2022	GJ09AV2244-16/02/2022	Distillation Residue-36.1 17.420 MTS (36.1)
1552020-16/02/2022	GJ12AZ5012-16/02/2022	Chemical sludge form waste water 17.925 MTS (35.3)
1551921-16/02/2022	HR645215-16/02/2022	Salt of Ammonium Chloride 22.915 MTS (C2)
1551564-16/02/2022	GJ12XX3238-16/02/2022	empty drums-33.1 2.250 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1551558-16/02/2022	GJ01JT7172-16/02/2022	EMPTY DRUMS-33.1 2.115 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1551409-16/02/2022	HR45B7566-16/02/2022	Salt of Ammonium chloride 23.000 MTS (C2)
1550577-15/02/2022	GJ27TT9810-15/02/2022	Process Residue-28.1 8.180 MTS (28.1)
1550566-15/02/2022	DD01F9231-15/02/2022	EMPTY DRUMS-33.1 3.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1549829-15/02/2022	HR39B6396-15/02/2022	Salt of Ammonium Chloride 22.290 MTS (C2)
1549818-15/02/2022	GJ02Z2757-15/02/2022	Mixed solvents-20.1 19.970 MTS (20.1)
1549435-14/02/2022	HR56A7730-14/02/2022	Salt of Ammonium Chloride 23.130 MTS (C2)
1546531-11/02/2022	DN09R9230-11/02/2022	EMPTY DRUMS-33.1 3.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1546536-11/02/2022	GJ18AU9628-11/02/2022	EMPTY DRUMS-33.1 2.315 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1546045-11/02/2022	GJ12AT6168-11/02/2022	Process residue-28.1 18.545 MTS (28.1)
1545673-11/02/2022	RJ11GA9871-11/02/2022	salt of Ammonium chloride 26.900 MTS (C2)

1545324-10/02/2022	GJ23Y5573-10/02/2022		Spent catalyst-35.2 with different waste name 17.170 MTS (35.2)
1545343-10/02/2022	DN09R9316-10/02/2022		EMPTY DRUM-33.1 3.590 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1544732-10/02/2022	RJ37GA8353-10/02/2022		Salt of Ammonium Chloride 25.380 MTS (C2)
1543042-08/02/2022	HR56A9696-08/02/2022		Salt of Ammonium Chloride 27.110 MTS (C2)
1543006-08/02/2022	DD01F9231-08/02/2022		Empty drums-33.1 2.135 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1543001-08/02/2022	GJ01JT7172-08/02/2022		Empty drums-33.1 4.300 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1541956-07/02/2022	GJ12AZ5012-07/02/2022		Chemical sludge form waste water treatment -34.3 15.660 MTS (35.3)
1541540-07/02/2022	GJ09AV3708-07/02/2022		Spent catalyst-35.2 with different waste name 14.805 MTS (35.2)
1541909-07/02/2022	HR649400-07/02/2022		Salt of Ammonium chloride 28.960 MTS (C2)
1538996-04/02/2022	HR56A7220-04/02/2022		Salt of Ammonium chloride 30.570 MTS (C2)
1539031-04/02/2022	GJ12BT5201-04/02/2022		WASTE NAME CHANGED i.e. FILTER AND FILTER MATERIALS/ CONTAMINATED COTTONE WASTE-35.1 2.195 MTS (35.1)
1538879-04/02/2022	GJ27TT9810-04/02/2022		Process Residue-28.1 9.475 MTS (28.1)
1538890-04/02/2022	GJ19X7523-04/02/2022		Distillation Residue-36.1 16.980 MTS (36.1)
1537884-03/02/2022	HR56B6624-03/02/2022		Salt of Ammonium chloride 34.265 MTS (C2)
1537665-03/02/2022	GJ12BT6911-03/02/2022		Mixed solvents-20.1 20.060 MTS (20.1)
1537412-03/02/2022	DD03M9541-03/02/2022		Empty drums and Barrels-33.11 2.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1536769-02/02/2022	HR56A6900-02/02/2022		Salt of Ammonium chloride 29.270 MTS (C2)
1536762-02/02/2022	GJ15AT2506-02/02/2022		EMPTY DRUMS-33.1 3.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

**1. Name & address of Industry :** Dorf Ketal Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ

**PCB ID : 29005**

**2. Phone No. :** 9928088180

**3. Date of commencement of Manufacturing process :** 01/04/2011

**4. CTEs No. & Date :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** AWH-115374, 14/04/2026

**6. Water Cess (with Interest) paid up to which Period :** 2017-2018

**7. Laboratory charges pending if any :** 0

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=807532,Kilo Litre=12460

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 10388 / 375 / 1697 / 0

**9. Electricity consumed in PRODUCTION :** 1146830 **ETP/CETP :** 46360 **APCM :** 14710

**9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)

**10. Fuel consumed during the month :** Coal,fo,ldo

**11. Products :** process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),tetra iso-propyl titanate(tpt),tpt based titanates

**12. Work of Control Measures In Progress :** Nothing in Progress

**13. Upgradation / Addition of PCM is Required :** Nothing Suggested

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=48.395,INC. Waste for Incineration=3.235,Co-Incineration Waste to other Industry=188.925,Trucks despatched=76



Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	429.300-M.T	
FUE	FUR	fo	95.524-M.T	
FUE	LDO	ldo	8.310-KLT	
GAS		HCL	0.120-KGS	
GAS		NH3	17.620-KGS	
GAS		NOX	859.470-KGS	
GAS		PM	1245.350-KGS	
GAS		SO2	1099.080-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	889.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	129.000-M.T	
PRD	81422	tpt based titanates	255.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1638403-31/03/2022	GJ12BT2909-31/03/2022		EMPTY DRUMS-33.1 1.440 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1638407-31/03/2022	GJ03AT2447-31/03/2022		EMPTY DRUMS-33.1 1.315 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1638078-31/03/2022	GJ12BX8929-31/03/2022		Mixed solvents-20.1 17.848 MTS (20.1)
1638422-31/03/2022	RJ14GJ1133-31/03/2022		Salt of Ammonium Chloride 24.410 MTS (C2)
1637261-30/03/2022	GJ12BT2909-30/03/2022		Empty IBCs-33.11 1.260 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1637312-30/03/2022	RJ27GC9431-30/03/2022		Distillation Residue-36.1 16.430 MTS (36.1)
1637356-30/03/2022	HR655497-30/03/2022		Salt of Ammonium chloride 22.765 MTS (C2)
1637009-30/03/2022	HR646288-30/03/2022		Salt of Ammonium chloride 22.815 MTS (C2)
1636143-29/03/2022	HR56A9277-29/03/2022		salt OF AMMONIUM CHLORIDE 26.215 MTS (C2)
1636118-29/03/2022	GJ03AT2447-29/03/2022		Empty Drums 0.990 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1636196-29/03/2022	GJ03AT0965-29/03/2022		EMPTY DRUMS 0.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1636110-29/03/2022	GJ12BT2909-29/03/2022		Empty Drums 2.405 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

**N I C**

Date : 19/04/2022

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1635775- 29/03/2022	GJ12BX6162- 29/03/2022		Mixed Solvent-20.1 18.971 MTS (20.1)
1635059- 28/03/2022	GJ12BX9694- 28/03/2022		Mixed Solvent-20.1 20.875 MTS (20.1)
1594753- 28/03/2022	GJ12BY8879- 28/03/2022		Mixed Solvent-20.1 20.445 MTS (20.1)
1594766- 28/03/2022	RJ02GA6130- 28/03/2022		Distillation Residue-36.1 16.020 MTS (36.1)
1634799- 28/03/2022	GJ12BT2909- 28/03/2022		Empty IBCs-33.11 1.200 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1594651- 28/03/2022	HR64A0494- 28/03/2022		Salt of Ammonium Chloride 22.440 MTS (C2)
1592836- 26/03/2022	GJ03BV0965- 26/03/2022		Empty Barrel-33.3 2.445 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1592848- 26/03/2022	GJ12BT9672- 26/03/2022		Empty Barrel-33.3 1.330 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1592855- 26/03/2022	GJ03AT2447- 26/03/2022		Empty barrel-33.3 1.200 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1591856- 25/03/2022	PB13BN0373- 25/03/2022		Salt of Ammonium Chloride 22.035 MTS (C2)
1590828- 25/03/2022	RJ09GB1235- 25/03/2022		Salt of Ammonium Chloride 20.875 MTS (C2)
1591458- 25/03/2022	RJ11GB2890- 25/03/2022		Salt of Ammonium Chloride 22.155 MTS (C2)
1590811- 24/03/2022	GJ23Y5573- 24/03/2022		Distillation Residue-36.4 15.775 MTS (36.1)
1590588- 24/03/2022	RJ23GB2805- 24/03/2022		Salt of Ammonium chloride 26.455 MTS (C2)
1590564- 24/03/2022	RJ27GC9431- 24/03/2022		Distillation Residue-36.4 15.995 MTS (36.1)
1584004- 17/03/2022	GJ19X7523- 24/03/2022		Distillation Residue-36.4 16.030 MTS (36.1)
1589954- 24/03/2022	PB13AL5707- 24/03/2022		Salt of Ammonium chloride 30.730 MTS (C2)
1588737- 23/03/2022	HR56A7287- 23/03/2022		Salt of Ammonium chloride 24.190 MTS (C2)
1588110- 22/03/2022	GJ03AT2447- 22/03/2022		Empty Barrel-33.3 1.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1588123- 22/03/2022	GJ01DZ2838- 22/03/2022		Empty Drums-33.3 3.620 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1587385- 22/03/2022	PB11AY9922- 22/03/2022		Salt of Ammonium Chloride 23.275 MTS (C2)
1587149- 21/03/2022	GJ01DX8840- 21/03/2022		Process Waste-28.1 9.695 MTS (28.1)
1586997- 21/03/2022	GJ12BT0215- 21/03/2022		Chemical Sludge from waste water treatment-34.3 19.865 MTS (35.3)
1586891- 21/03/2022	DN09R9046- 21/03/2022		Empty Drums and Barrels-33.11 1.960 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1586907- 21/03/2022	MH48J1248- 21/03/2022		Empty drums and Barrels-33.11 3.672 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1586607- 21/03/2022	GJ27TT9810- 21/03/2022		Process waste-28.1 8.820 MTS (28.1)
1585251- 19/03/2022	GJ12BT2909- 19/03/2022		Empty drums-33.11 1.280 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1584476- 19/03/2022	GJ12Z9946- 19/03/2022		Process Waste-28.1 22.040 MTS (28.1)
1583922- 17/03/2022	GJ03AT2447- 17/03/2022		Empty Barrel-33.3 0.890 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1583929- 17/03/2022	GJ12BT2909- 17/03/2022		Empty Barrel-33.3 0.900 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1583258- 16/03/2022	HR65A0081- 16/03/2022		Salt of Ammonium chloride 26.500 MTS (C2)
1583251- 16/03/2022	RJ27GA3345- 16/03/2022		Distillation Residue-36.4 17.350 MTS (36.1)
1582982- 16/03/2022	GJ12BT2909- 16/03/2022		EMPTY DRUMS-33.3 2.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1583109- 16/03/2022	GJ03AT0965- 16/03/2022		Empty Barrel-33.3 1.740 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1583123- 16/03/2022	GJ02Z2757- 16/03/2022		MIXED SOLVENT-20.1 19.900 MTS (20.1)
1582082- 15/03/2022	PB13BN0373- 15/03/2022		Salt of Ammonium Chloride 22.800 MTS (C2)
1581787- 15/03/2022	HR56A7220- 15/03/2022		Salt of Ammonium Chloride 30.350 MTS (C2)
1580717- 14/03/2022	HR645215- 14/03/2022		Salt of Ammonium Chloride 23.480 MTS (C2)
1580637- 14/03/2022	GJ12AW0585- 14/03/2022		Distillation Residue-36.4 15.990 MTS (36.1)
1580408- 14/03/2022	HR646288- 14/03/2022		Salt of Ammonium chloride 22.080 MTS (C2)

1578786-12/03/2022	MH48J1244-12/03/2022	Empty Drum-33.3 2.070 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1577516-11/03/2022	GJ27TT2185-11/03/2022	Process residue-28.1 8.710 MTS (28.1)
1577228-11/03/2022	RJ11GB2891-11/03/2022	salt of Ammonium chloride 23.255 MTS (C2)
1576851-11/03/2022	GJ15V4504-11/03/2022	EMPTY DRUMS-33.1 1.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1575985-10/03/2022	GJ15XX3238-10/03/2022	EMPTY DRUMS-33.1 2.190 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1575161-09/03/2022	GJ15AT8833-09/03/2022	EMPTY DRUMS-33.1 3.640 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1575170-09/03/2022	GJ12BT6911-09/03/2022	MIXED SOLVENT-20.1 19.545 MTS (20.1)
1574408-09/03/2022	HR39C7475-09/03/2022	Salt of Ammonium Chloride 23.070 MTS (C2)
1574557-09/03/2022	GJ27TT9810-09/03/2022	Process residue -28.1 9.600 MTS (28.1)
1573852-08/03/2022	GJ19X7523-08/03/2022	DISTILLATION RESIDUE-36.1 16.470 MTS (36.1)
1573957-08/03/2022	GJ12AT9419-08/03/2022	Chemical sludge form waste water 12.365 MTS (35.3)
1573951-08/03/2022	HR39E4077-08/03/2022	Salt of Ammonium Chloride 32.150 MTS (C2)
1572375-07/03/2022	HR646288-07/03/2022	Salt of Ammonium Chloride 23.020 MTS (C2)
1570467-05/03/2022	GJ15AT2895-05/03/2022	Empty Drums and Barrels-33.11 1.995 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1570517-05/03/2022	HR56B6082-05/03/2022	Salt of Ammonium Chloride 29.820 MTS (C2)
1569693-04/03/2022	GJ12AT9418-04/03/2022	Chemical sludge form waste water 16.165 MTS (35.3)
1569168-04/03/2022	RJ10GB5163-04/03/2022	Salt of Ammonium Chloride 23.295 MTS (C2)
1568375-03/03/2022	GJ01JT7271-03/03/2022	EMPTY DRUMS-33.1 2.370 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1568496-03/03/2022	GJ12AW0112-03/03/2022	WASTE NAME CHANGED i.e. FILTER AND FILTER MATERIALS/ CONTAMINATED COTTON WASTE-35.1 3.235 MTS (35.1)
1568403-03/03/2022	RJ11GB2891-03/03/2022	Salt of Ammonium Chloride 22.300 MTS (C2)

1568215-03/03/2022	MH04GR3968-03/03/2022		EMPTY DRUMS-33.1 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1567885-03/03/2022	HR56A7220-03/03/2022		Salt of Ammonium Chloride 29.900 MTS (C2)
1567215-02/03/2022	DN09R9230-02/03/2022		EMPTY DRUMS-33.1 3.495 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1566862-02/03/2022	RJ05GB2675-02/03/2022		Salt of Ammonium chloride 21.925 MTS (C2)

**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

October , 2021

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=10024,Kilo Litre=2763**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 640 / 221 / 1902 / 0**9. Electricity consumed in PRODUCTION :** 2576000 **ETP/CETP :** 1011 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,Furnace Oil**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	130.270-KLT	
GAS		Nox	32.900----	
GAS		Sox	43.800----	
PRD	48084	hygiene textiles	273.140-M.T	
PRD	48082	medical gowns	455.240-M.T	
PRD	48083	medical textiles	182.090-M.T	

**N I C**

Date : 19/04/2022

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Yours Faithfully



**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

November , 2021

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=12403,Kilo Litre=2379**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 421 / 211 / 1747 / 0**9. Electricity consumed in PRODUCTION :** 2379000 **ETP/CETP :** 978 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,Furnace Oil**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	150.000-LTS	
FUE	F.O	Furnace Oil	82.500-KLT	
GAS		Nox	37.200----	
GAS		Sox	48.600----	
PRD	48084	hygiene textiles	178.930-M.T	
PRD	48082	medical gowns	298.210-M.T	
PRD	48083	medical textiles	119.280-M.T	

**N I C**

Date : 19/04/2022

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**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

December , 2021

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=14731,Kilo Litre=2328**Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable :** 340 / 411 / 1577 / 0**9. Electricity consumed in PRODUCTION :** 1083000 **ETP/CETP :** 1011 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,Furnace Oil**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	75.000-LTS	
FUE	F.O	Furnace Oil	26.400-KLT	
GAS		Nox	35.100----	
GAS		Sox	42.300----	
PRD	48084	hygiene textiles	85.940-M.T	
PRD	48082	medical gowns	143.230-M.T	
PRD	48083	medical textiles	57.290-M.T	

**N I C**

Date : 19/04/2022

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**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

January , 2022

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=17417,Kilo Litre=2686**Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable :** 655 / 165 / 1866 / 0**9. Electricity consumed in PRODUCTION :** 2190800 **ETP/CETP :** 1011 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,ldo**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	LDO	ldo	153.400-KLT	
GAS		Nox	22.500----	
GAS		Sox	1.140----	
PRD	48084	hygiene textiles	264.710-M.T	
PRD	48082	medical gowns	441.180-M.T	
PRD	48083	medical textiles	176.470-M.T	

**N I C**

Date : 19/04/2022

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**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

February , 2022

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=20184,Kilo Litre=2767**Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable :** 501 / 229 / 2037 / 0**9. Electricity consumed in PRODUCTION :** 2115000 **ETP/CETP :** 925 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,lido**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	LDO	ldo	117.000-KLT	
GAS		Nox	20.600----	
GAS		Sox	1.250----	
PRD	48084	hygiene textiles	246.770-M.T	
PRD	48082	medical gowns	411.280-M.T	
PRD	48083	medical textiles	164.510-M.T	

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Date : 19/04/2022

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**Monthly Report from Industry**

Form No D2

Gujarat Pollution Control Board

March , 2022

**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MITAP

**PCB ID : 32575****2. Phone No. :** 02838619141**3. Date of commencement of Manufacturing process :** 15/04/2010**4. CTEs No. & Date :** CEE-117319,03/02/2029**5. CCA No. & Date of Expiry :** A-116937, 27/01/2029**6. Water Cess (with Interest) paid up to which Period :** 2017-2018**7. Laboratory charges pending if any :** 0**8. Water consumed during the month (by all sources )in KL :** Meter Reading=22220,Kilo Litre=2036**Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable :** 340 / 258 / 1438 / 0**9. Electricity consumed in PRODUCTION :** 2482000 **ETP/CETP :** 1037 **APCM :** 0**9A. Stack attached to :** Boiler,D.G. Sets**10. Fuel consumed during the month :** Diesel,ldo**11. Products :** Hygiene Textiles,Medical Gowns,Medical Textiles**12. Work of Control Measures In Progress :** Nothing in Progress**13. Upgradation / Addition of PCM is Required :** Nothing Suggested**14. HAZ Waste Disposal(in Metric Tonne):** NIL

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	LDO	ldo	78.800-KLT	
GAS		Nox	18.500----	
GAS		Sox	0.980----	
PRD	48084	hygiene textiles	272.900-M.T	
PRD	48082	medical gowns	454.840-M.T	
PRD	48083	medical textiles	181.930-M.T	

**N I C**

Date : 19/04/2022

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# **Annexure – 11**



# FORM NO. 33

(Prescribed under Rule 68-T and 102)

## Certificate of Fitness of employment in hazardous process and operations.

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers : *employee ID 9100118537 (Global)*
2. Name of the person examined : *Mr. Hiteshbhai Zala*
3. Father's Name : *Mr. Ramabhai Zala*
4. Sex : *Male*
5. Residence : *Galsulern society, Mundra. Kutchh*
6. Date of birth, if available : *20-05-1999*
7. Name & address of the factory : *MUNDRA SGT ADANI*
8. The worker is employed/proposed :
  - (a) Hazardous process : *Lab chemist*
  - (b) Dangerous operation :

I certify that I have personally examined the above named person whose identification marks are *Male on Pt. check* and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is *23* years.

In my opinion *✓* he/she is *✓* fit for employment in the Said manufacturing process/operation.

In my opinion he/she is unfit for employment in the said manufacturing process/operation for the reason ..... He/She is referred for further examination to the Certifying Surgeon.

The serial number of previous certificate is .....

*Zale*  
Signature or left hand thumb  
impression of the person examined :

Signature of the Factory Medical Officer :

Stamp of factory  
Medical Officer with

Name of the Factory :

I certify that I examined the person entioned above on (date of examination)	I extend this certificate unfit (if certificate is not extended, the period for which the worker is considered unfit for work is to be (mentioned)	Signs and symptoms observed during examination	Signature of the Factory medical Officer with date.

### Notes :

1. If declared unfit, reference should be made immediately to the Certifying Surgeon.
2. Certifying Surgeon should communicate his findings to the occupier with 30 days of the receipt of this reference.]

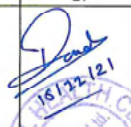
**FORM NO. 32**  
(Prescribed under Rule 68-T and 102)  
**Health Register**

1. Serial Number in the Register of adult Workers : Employee ID 3100118532

2. Name of Worker : Hiteshbhai Zala

3. Sex : Male

4. Date of birth : 20/05/1999

Department Works	Name of Hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or By-products likely to be exposed to	Date of posting	Date of leaving/transfer to or transfer	Reasons for Discharge/ leaving or transfer	Medical examination Results therefore				If declared unfit for work				Signature with date of the factory Medical Officer/ the Certifying Surgeon.
								Date	Signs and symptoms Observed during examination	Nature of tests & results thereof	Result Fit/Unfit	Period of temporary Withdrawal from that work	Reasons for such withdrawal	Date of declaring him Unfit for that work	Date of issuing fitness Certificate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Environment	Chemical testing	Experiment with various chemical	Lab chemist	chemicals	-	-	-	16/12/21	NAD	Bp: 113/52 P: 60/min SpO2: 98 Physical examination: NAD	fit	-	-	-	-	 16/12/21

**Note :**

1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

**FORM NO. 33**

(Prescribed under Rule 68-T and 102)

**Certificate of Fitness of employment in hazardous process and operations.**

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers : 0100008451
2. Name of the person examined : Mr Sodhem Nanji
3. Father's Name : Mr Tejabhai Sodhem
4. Sex : Male
5. Residence : Nema Kapeye, Mundra, Kutchh
6. Date of birth, if available : 16/12/89
7. Name & address of the factory : Environment
8. The worker is employed/proposed : chemical handling
- (a) Hazardous process : plant operating
- (b) Dangerous operation :

I certify that I have personally examined the above named person whose identification marks are Mole on Lb. mark and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 31 years.

In my opinion ✓ he/she is ✓ fit for employment in the Said manufacturing process/operation.

In my opinion he/she is unfit for employment in the said manufacturing process/operation for the reason ..... He/She is referred for further examination to the Certifying Surgeon.

The serial number of previous certificate is .....

Signature or left hand thumb impression of the person examined :

S. Nanji Sodhem

Signature of the Factory Medical Officer :

16/11/21  
HEALTH CENTER  
Mundra

Stamp of factory  
Medical Officer with

Name of the Factory : ADANI, MUNDRA-302

I certify that I examined the person entioned above on (date of examination)	I extend this certificate unfit (if certificate is not extended, the period for which the worker is considered unfit for work is to be (mentioned)	Signs and symptoms observed during examination	Signature of the Factory medical Officer with date.

**Notes :**

1. If declared unfit, reference should be made immediately to the Certifying Surgeon.
2. Certifying Surgeon should communicate his findings to the occupier with 30 days of the receipt of this reference.]

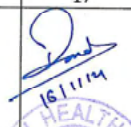
**FORM NO. 32**  
(Prescribed under Rule 68-T and 102)  
**Health Register**

1. Serial Number in the Register of adult Workers : 9100008452

2. Name of Worker : Mr. Sathyan Nair

3. Sex : Male

4. Date of birth : 01-06-1989

Department Works	Name of Hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or By-products likely to be exposed to	Date of posting	Date of leaving/transfer to or transfer	Reasons for Discharge/ leaving or transfer	Medical examination Results therefore				If declared unfit for work				Signature with date of the factory Medical Officer/ the Certifying Surgeon.
								Date	Signs and symptoms Observed during examination	Nature of tests & results thereof	Result Fit/Unfit	Period of temporary Withdrawal from that work	Reasons for such withdrawal	Date of declaring him Unfit for that work	Date of issuing fitness Certificate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Environment	Chemical handling	Chemical handling	Plant Operator	Chemicals - hydrochloric - Acetic	-	-	-	16/11/12	NAD Physical	BP: 135/95 T: 74 Sp: 98 Physical Examination NAD	fit	-	-	-	-	 16/11/14

**Note :**

1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.



# **Annexure – 12**

## Details of Greenbelt Development at APSEZ, Mundra

Total Green Zone Detail Till Up to March – 2022					
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	71.66	34920	7962	69696.00	100646.00
PORT & NON SEZ	81.61	149359	19220	75061.78	62966.38
SEZ	116.60	227120	20489	220583.60	28162.03
MITAP	2.52	8168	33	3340.00	4036.00
WEST PORT	109.37	256552	70831	24612.00	22854.15
AGRI PARK	8.94	17244	1332	5400.00	2121.44
SOUTH PORT	14.45	27530	3470	3882.00	3327.26
Samudra Township	57.27	63722	11834	23908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976	--	--	--
<b>TOTAL (APSEZL)</b>	<b>486.19</b>	<b>8,12,591</b>	<b>1,35,171</b>	<b>426484.27</b>	<b>271633.33</b>
		<i>Total Saplings: 9,47,762 Nos.</i>			



# **Annexure – 13**

# Major Maint. Jobs

Oct-21 to March-22

**All HDPE Flanges replaced with MS as well as Valves as required due to frequently got leakage (225MM-10nos, 150MM-20nos, 100MM-20nos)**



**CETP plant treated water main outlet 150mm mechanical flow meter replaced with electromagnetic flow meter**



**Re- circulation line modification to control flow. Benefits- 1.stopped chamber overflowing. 2.Maintained flow. 3. stopped frequent valve operation (Only 1 time operate instead of 6 times) 4. MLSS increased due to 24x7 running.**





**Filter feed pumps replaced due to existing old pumps are corroded**





**Equalization all pumps replaced with mud pumps due to existing old pumps corroded and not suitable for sewage**



**Tanker loading mechanical flow meter replaced with electromagnetic flow meter and new meter installed in plant main inlet.**



**Tanker loading**



**plant main inlet**



**Primary sludge pump Johnson make 1.5hp (02nos) got frequently failure from mech. Seal and bearings. System replaced with 2hp submersible pump installed directly in Sludge chamber. Benefits. 1.No chock up problem. 2.No leakage problem. 3.Chamber empty in 15 min (Old - both pumps run together and taken 1 hours for same...). 4.Power saving (3hp run for 1 hours now 2hp run for 15 min)**



## Guard Pond -2 cleaning work done and made as a Treated water storage Tank





**MITAP Sub Station sewage connectivity given in MITAP main sewage Sump. Due to this resolved overflowing issue and Tankers movement for this.**



## Nomenclature work done in plant as require

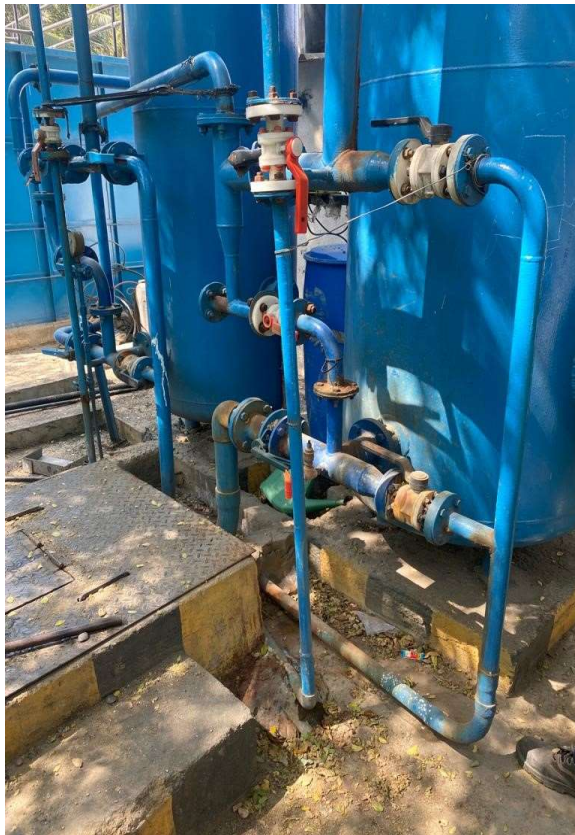




**Both collection tank pump replacement work due to existing both pumps got failure frequently**



**Both filter inlet and outlet line modification and replacement work along with valves due to un equal size and corroded (2.5").**





## Primary clarifier roller rubber coating work done



## CETP Sign board fabricated and installed on main road



# **Annexure – 14**



### **Cost of Environmental Protection Measures**

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2019 - 20	2020 - 21	2021 - 22	2021 - 22
1.	Environmental Study / Audit and Consultancy	0.33	6.2	6.82	7.0
2.	Legal & Statutory Expenses	0.84	10.58	10.52	12.0
3.	Environmental Monitoring Services	21.74	19.17	14.31	20.0
4.	Hazardous / Non-Hazardous Waste Management & Disposal	108.43	83.55	107.09	114.10
5.	Environment Days Celebration and Advertisement / Business development	1.5	5.3	4.04	7.0
6.	Treatment and Disposal of Bio-Medical Waste	1.62	2.09	2.14	2.04
7.	Mangrove Plantation, Monitoring & Conservation	Nil	32.59	53.6	53.6
8.	Other Horticulture Expenses	734.18	689	921	921
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	110.18	148.49	252.27	299.5
10.	Expenditure of Environment Dept. (Apart from above head)	105.13	89.11	149.8	85.35
<b>Total</b>		<b>1083.95</b>	<b>1086.08</b>	<b>1371.79</b>	<b>1521.59</b>



# **Annexure – 15**

# 2021-22

## Annual Report

# CSR Kutch

**Adani Foundation**

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

**adani**  
Foundation



## Our journey

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

Mundra is now Industrial and employment hub. Tremendous development is expected in upcoming years. In Year 2021-22, **Uthhan Project expanded its wings from 17 Primary schools to 35 Primary schools with MOU with Education Department.** Sustainable Agriculture Initiatives i.e. Natural Farming, Home biogas, Drip Irrigation, Vermi compost, Tissue Culture and Various type of fodder growing are started as a mission with Capacity Building with **5500+ Farmers and 3500+ cattle owners.** Mangroves costal biodiversity, water harvesting structures and Home Biogas promotion is ongoing sustainable project with proper documentation and demarcation. Adani Vidya Mandir has proven best in education by reaching to its apex level of Quality Education through digital technology. It is nurturing fisher folk community students by enabling them access to Tablets to prepare them techno-savy.

Under the guidance of leadership team, Community Resource Centre is developed as a systematic model for empowering rural community with an aim to bridge the gap between underprivileged community who need support and government schemes. Adani Foundation firmly believes to carry all its project by involving community in its operations. The involvement of Fisherman community and women provides real-time feedback and leads to successful projects.

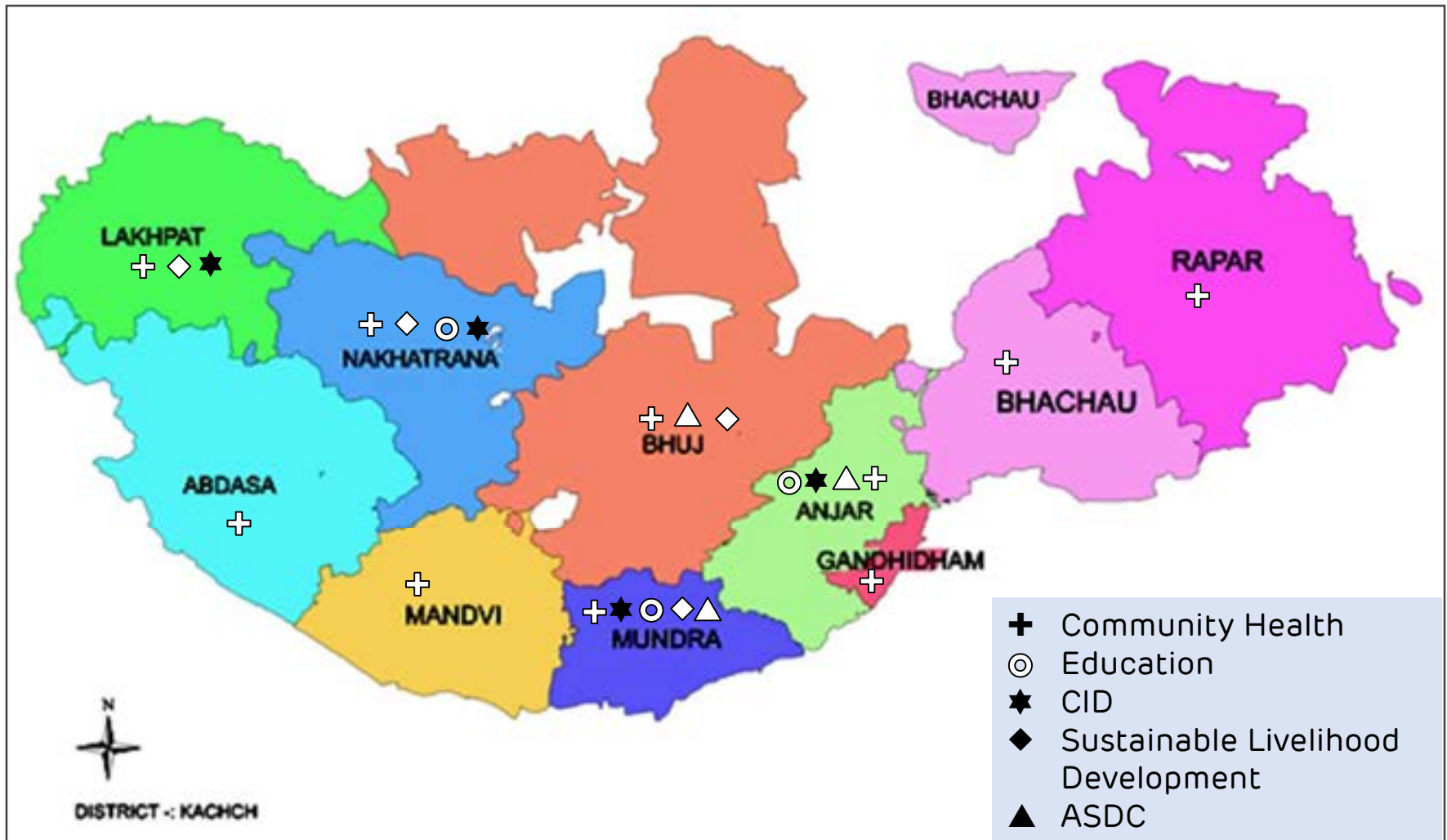
'Technical Training Program' by Adani Skill Development Centre for Fisher Folk community youth is a flagship program to provide them with a platform to get skilled and carve their future into new career options. The ASDC is committed to the cause of the deprived and underprivileged to generate employment through enhancing skills. It has been working relentlessly which resulted in rapport building with District Administration Kutch also.

Respected Shri Dr. Priti G. Adani, Chair Person, Adani Foundation with her charismatic leadership has transformed millions of lives through sustainable development initiatives. Along with her, Rakshit Shah, Executive Director, APSEZ has been a great mentor and involves himself thoroughly in all development initiatives. Mundra team would also like to acknowledge Shri Vasant Gadhvi, Executive Director, Adani Foundation for cultivating great ideas and guidance to the team. We are also grateful to Respected Gowda Sir (COO, AF) for being a source of motivation.

AF Mundra team acknowledges CEO - APSEZ, Human Resource Department- APSEZ, Finance Department-APSE for continuous support and facilitation.

Towards Growth with Goodness, Adani Foundation presents highlights of FY 2021 in this Annual Report!

# Our Presence in Kutch



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## Education (SDG - 4/4.a)



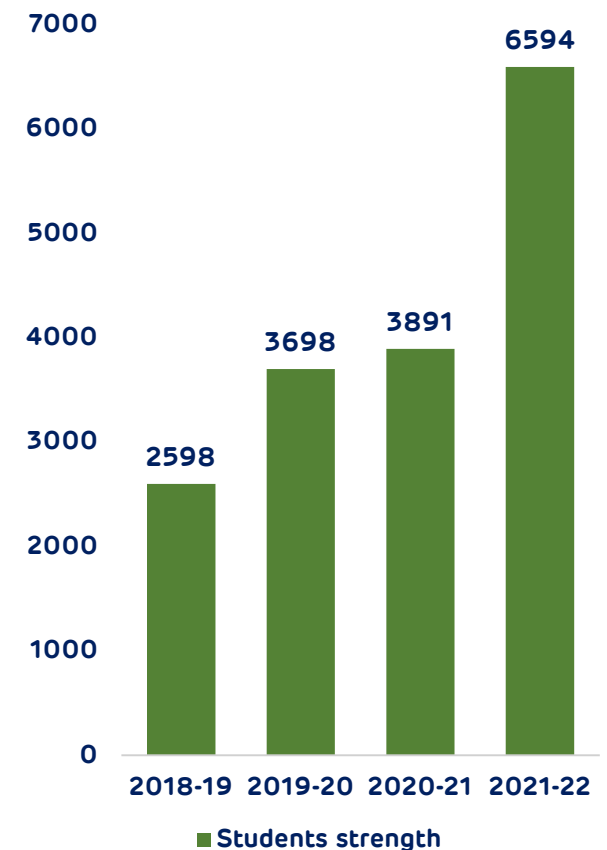
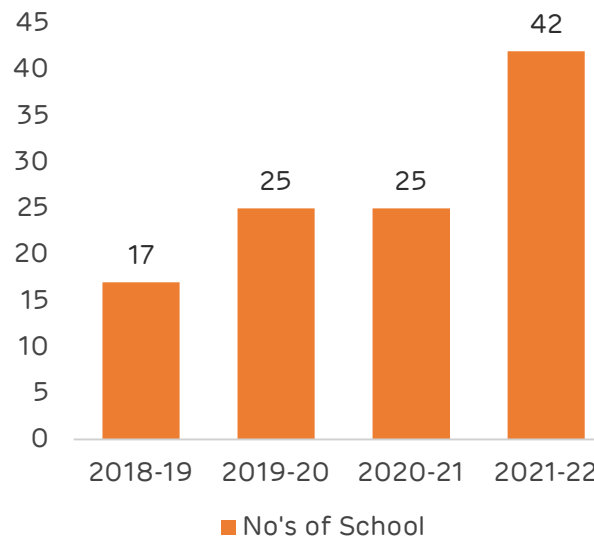
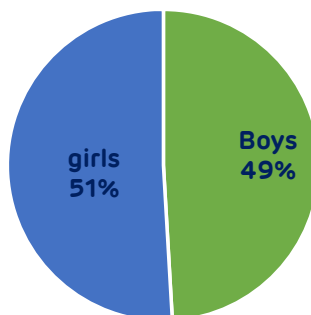
# Education Projects

To foster students' learning abilities and achieve better learning outcomes at the grassroots, Adani Foundation charted an innovative intervention in Year 2018-19 through Project Utthan.

This comprehensive intervention entails:

- ✓ Adopting government primary schools
- ✓ Tutoring Priya Vidyarthi's (progressive learners)
- ✓ Arresting dropout rates
- ✓ Collaborating for teachers' capacity building
- ✓ Creating joyful learning spaces

**Gender Ratio**



## Annual Achievement

### - Introducing English as a third language.

Though talent has no barriers to success yet often rural community children and youth are devoid of higher education and better job opportunities only because of lack of command over English language. However, getting equipped with International language expands horizon of a student by opening wide communication mediums for them to learn and grow.

In Gujarat, The language gets introduced from Class4 whereas under the Project Utthan, Adani Foundation initiated to provide basics of English from class 1 with a structured syllabus. Utthan assisted 3,246 students to learn English from Class 1.

Table shows the result of Gunotsav of year 2021-22 for 18 Schools (24 Schools Results are awaited)

Academic year	Gunotsav Result				
	Numbers of school in grade				
	A+	A	B	C	D
2020-21	1	0	30	11	0
2021-22	2	8	7	1	0

*Utthan assisted*

**3246**

*students to learn English from Class 1*

Class	Students are able for....
I 62 %	<ul style="list-style-type: none"> <li>✓ Standing line, sleeping line, Left Slanting line, Right Slanting line, Left Curve, Right Curve, Up Curve, Down Curve</li> <li>✓ Writing capital letter of A to Z, Identification of alphabet, Match alphabet with object</li> </ul>
II 64 %	<ul style="list-style-type: none"> <li>✓ Writing capital and small letters</li> <li>✓ Vowel and consonant</li> <li>✓ Week, month, and numbers up to 30</li> </ul>
III 73 %	<ul style="list-style-type: none"> <li>✓ Differentiate between capital and small letters</li> <li>✓ Recite rhymes</li> <li>✓ Numbers 1-50, English name of shapes, fruit, vegetable, and stationary items</li> <li>✓ Action words: Sit down, stand up, Run, Walk, Jump</li> </ul>
IV 76 %	<ul style="list-style-type: none"> <li>✓ Capital and small letters</li> <li>✓ Body parts, Golden words</li> <li>✓ Self-introduction in 5-7 sentences</li> </ul>





## IT ON WHEELS

### Benefited 3418 students



Digital literacy in early schooling is the first step to addressing access disparities in this evolving digital environment which is not feasible for rural students. This impedes their development.

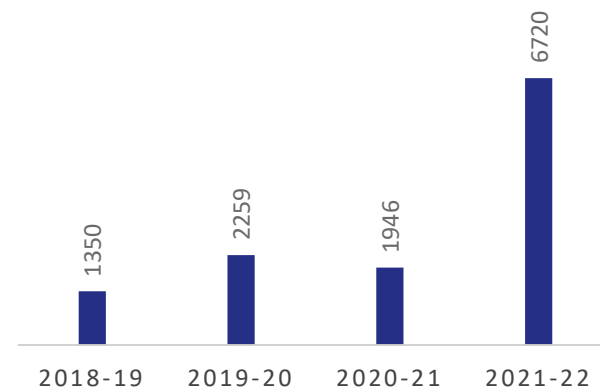
**IT on wheel program is run to teach them Basic emphasizes elementary school digital literacy.**

#### Highlights

- ✓ 40 laptops + 2 IT instructor + 01 Van with customize basic syllabus
- ✓ Catering students from classes: 4-8
- ✓ IT on Wheel visits fortnightly to each school under project Utthan.

## Annual Mother's meet

A child's maximum growth occurs in initial years of education where involvement of teacher as well as mother plays a key role in nurturing their character and personality. Many of the students are first generation learners with uneducated parents, in such case, Mother's meet helps mother and teacher are both in sync towards child's education. Moreover, mothers feel empowered and valued and gets insight of the school activities regularly.



## Celebration/competition

## Activities performed

World Book Day	▪ Virtual Group Reading, Puppetry Show etc.
Mother's Day	▪ Letter to supermom
International Yoga Day	▪ Performing Yoga Virtually + Physically
World emoji day	▪ Preparing emoji + exchanging with friends
Azadi ka Amrut Mahotsav	▪ Poster making competition
Rashtra Gaan	▪ Certificate from Ministry of Education for 'Recitation of Rashtragaan'.
Raksha Bandhan	▪ Eco Friendly Rakhi for Corona warriors
Teachers' day	▪ Gratitude wall for teachers
ISLM Participation	▪ Digital bookmark exchange with 11 partner schools from 5 countries
Virtual connection around the World	▪ Live connected with partner school of Croatia
Children's Day	▪ Paint party
World computer literacy day	▪ Restart of 'IT on Wheel'
National Maths Day	▪ Match Competition & Documentary movie on Shri Ramanujan.
National Youth Day	▪ Character sketch, Speech on Swamiji, Quote Competition ,Short documentary on Swamiji.
National Girl Child Day	▪ Contribution of Savitribai Phule in girl child education
National Science Day	▪ Girl/Women noble laurels in science , Model making
International Women's Day	▪ Documentary on Raman effect
	▪ Women's Day with 1000 Mothers



Healthy competition inspires kids to exhibit their maximum potential. When students compete, they will become more inquisitive, research independently and learn to work with others. They will strive to do more than is required. These abilities prepare children for future situations of all kinds. Due to pandemic students were away from multiple competitions and celebrations were planned in school. Which helps them for-

- Improving teamwork and collaboration
- Enhancing social and emotional learning
- Increasing intrinsic motivation
- Facilitating growth mind-set
- Building mental toughness
- Virtual celebrations and competitions to engage students during lockdown period.

## Capacity Building Program

To make the project sustainable, Utthan closely **works with block resource coordinators to organize monthly training sessions for Government teachers + Utthan sahayaks on various subjects.** Entire academic year teachers training is focused on National Education Policy 2020.



## Utthan's outreach strategies to support children's learning

- 100 hours capacity building programs for Utthan sahayaks and school Teachers
- 90% students were involved in various activities under Aazadi ka Amrit Mahotsav
- 6600 hours were given in 'SAMAYDAAN'
- 100 % participation in 100 days reading campaign
- Project is in alignment with NIPUN Bharat: FLN
- Dedicatedly 80 hours provided for preparing JNV and NMMS examination. 19 number of students qualified for JNV and NMMS.

## 100% Utthan Schools are equipped with:

- ✓ Smart classrooms
- ✓ LED TV
- ✓ Library cupboard with 350 books
- ✓ Annual subscription of 07 magazines
- ✓ Sports materials
- ✓ Music instruments
- ✓ BALA Painting
- ✓ TLMs focusing language and numeracy
- ✓ Kitchen garden – 4200 plants planted

Reaching out to students with no smartphones at home

24,748 Voice messages sent to create awareness regarding Precautions during Covid19

All students taught during sheri shikshan by Utthan sahayaks

74% progressive learners virtually connected on various platform



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



**EDUCATION: FREE AND COMPULSORY** – WHAT A WAY TO LEARN LOGIC!" The quote mentioned unfolds the distinguished vision of Adani Foundation to provide cost-free education, food, uniform, books to the children of economically challenged families of Mundra Bock. Adani Vidya Mandir, Bhadreshwar was established in June 2012, with aim of uplifting the communities through education.

The school is equipped with excellent infrastructure and resources required for all-round development of the student. The child is given admission in class 1 and is molded to be an educated and a good human being by experienced and compassionate teachers.

The school follows a curriculum designed by GSEB. Due to Covid Pandemic this year Class 1<sup>st</sup> Admission was done.





**AVMB –Adani Vidhya Mandir, Bhadreswar is accredited By NABET under 'Quality Council of India'**

***SDG***

- ✓ ***Quality education - 4***
- ✓ ***GenderEquality - 5***
- ✓ ***Reduced Inequality - 10***

National Accreditation Board for Education and Training is a constituent Board of Quality Council of India.

NABET is offering accreditation program for Quality School Governance in the Country, with a view to provide framework for the effective management and delivery of the holistic education program aimed at overall development of students.

***State level First Gujarati Medium school accredited by NABET***



Adani Vidya Mandir Bhadreswar Gujarat Board Standard 10th Examination Result is 100% (27 students have passed the examination out of 27). Adani Foundation took complete responsibility of further study of students with respect to their interest.

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

But We did not Give-up and reached out to our students to pursuit educational through virtual platform by various initiative.

#### Objective

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

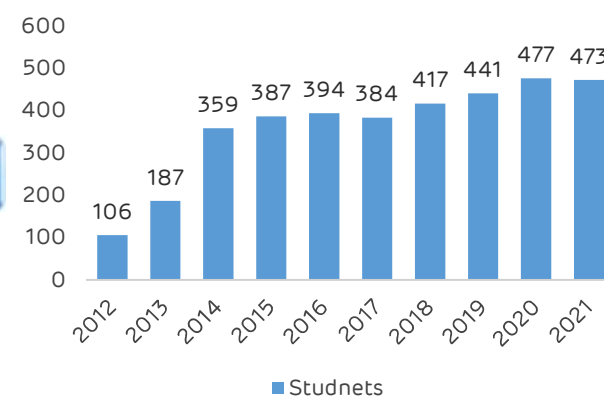
#### Project Activity

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

#### Outcome

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

AVMB STD - 10 SE BATCH RESULT Year 2021-2022		
SR NO	GRADE	STUDENTS
1	Above 80 %	01
2	Above 70 %	00
3	Above 60 %	07
4	Above 50 %	07
5	Above 35 %	12
TOTAL		27





- Street Education popularly known as 'Sheri Shikshan' was initiated for the students who could not attend sessions online.
- Offline education was started for Class 10 students under the Covid19 Guidelines.
- 'Fit India week' celebrated by arranging various sports events, Elocution, Written and Drawing competition for class 9 and 10 students.
- Covid Vaccination drive for Class 10 students in coordination with GKGH, Bhuj Hospital.
- Various National and International day celebrations at School level with learn and fun activities as well as conducted Motivation Sessions.
- Motivating Girl Child from fisherfolk families for Education after 10<sup>th</sup> Standard.



# Community Health Projects

Good Health is extremely important, invaluable and indispensable. A Healthy body paves the way for a healthy mind. Adani Foundation team at Kutch works towards better health of community and access to easy consultation with expert doctors in collaboration with G.K General Hospital, Bhuj and Adani Hospital, Mundra. For more than a decade, Community care is provided through Mobile Health Care Units, Rural Clinics and Health Cards for senior citizens.

In span of 6 years, there are number of cases reported for Kidney related diseases. Under those circumstances, periodic and special health camps are scheduled to address this issue, provide them necessary treatment support. We also conduct awareness camps for preventive measures against kidney problems.

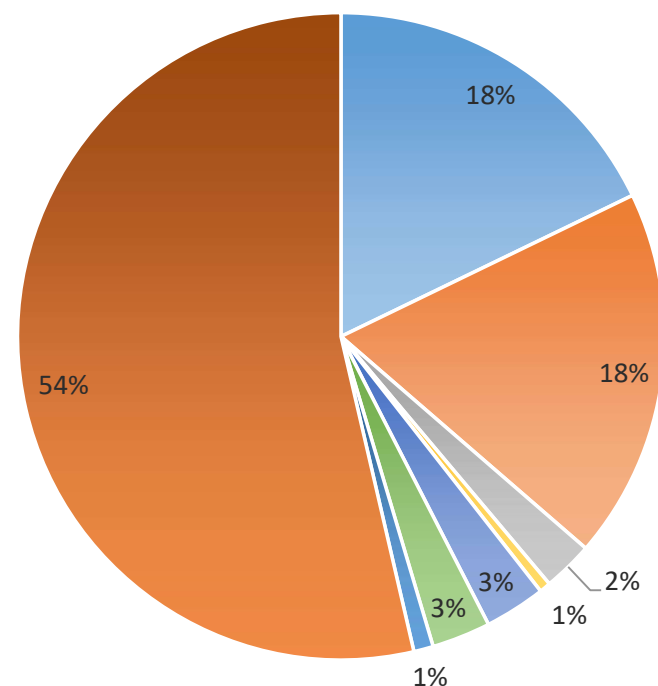


*It is health that is real Wealth , not a piece of Gold and silver.*

Preventive and curative healthcare are critical to sustaining community health and promoting economic prosperity. The objective is to find the proper balance that will lead to a long, healthy, and fulfilling life journey for that AF



## Direct Beneficiaries (%)



- Medical Mobile van
 ■ Rural Clinic
 ■ Medical Supports
- Dialysis Supports
 ■ General Health camp
 ■ Spe. Health camp
- COVID-19 AHMPL
 ■ AHMPL-OPD & IPD

Project	Direct Beneficiary	In-Direct Beneficiary
Medical Mobile van	10043	39844
Rural Clinic	10439	41436
Medical Supports	1409	5532
Dialysis Supports	314	30
General Health camp	1715	6852
Spe. Health camp	1655	6624
COVID-19 AHMPL	554	2770
AHMPL-OPD & IPD	31291	90573
Total	57420	193661



## Rural Clinic & Mobile Health Care unit

Health is the most basic prerequisite for community development and in order to transform rural healthcare landscape Adani Foundation has initiated '**Mobile Health Care**' and '**Rural Clinic Service**' to providing primary, preventative and curative healthcare services accessible in inaccessible areas which is being executed since a decade. Adani Foundation has acted as catalyst to reduce health disparity and hardship of medical expenses among community.



- ✓ Time saving
- ✓ Reduce Medical expenses
- ✓ diagnosis and treatment
- ✓ Preventive health screenings
- ✓ Early disease diagnosis
- ✓ Chronic disease management
- ✓ Health education & Counseling

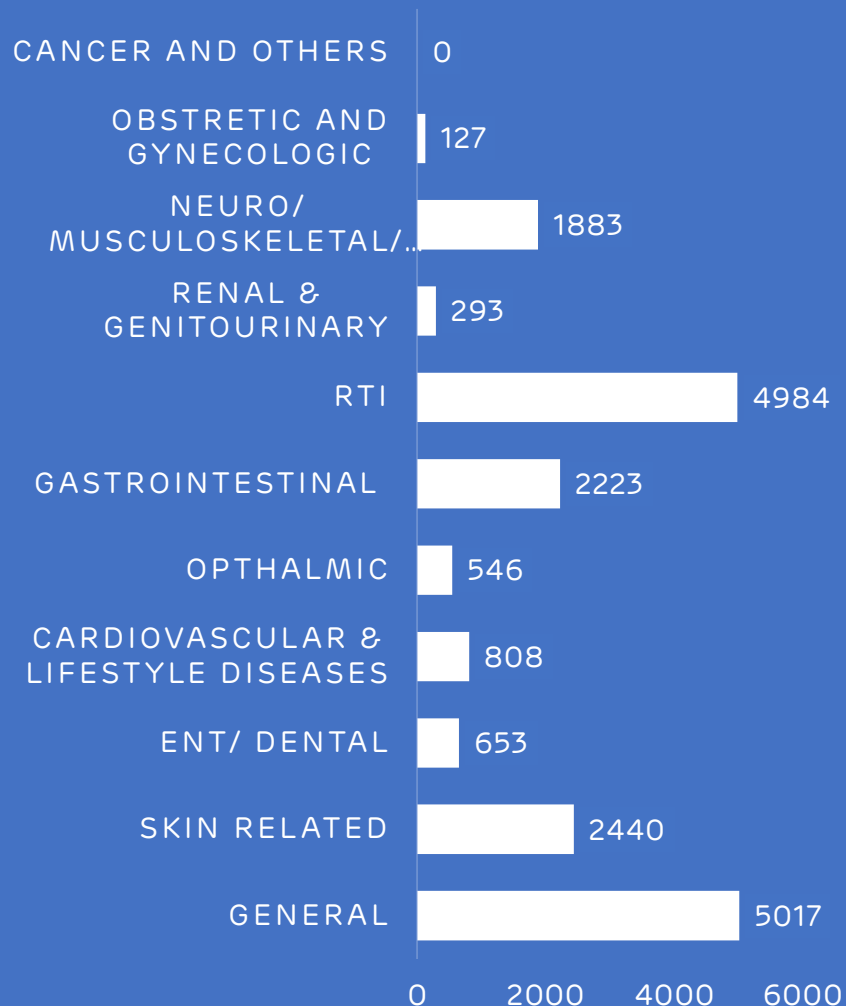
The mobile health care unit is operated by Medical officer and health care assistant and equipped with various integrated medical devices that allows Medical staff to conduct preliminary check up. more than 90 types of general life saving medicines are available in MHCU and covered 29 villages and 07 fishermen settlements population. MHCU and Rural Clinics are providing services of Blood pressure checking, Sugar testing and ECG as well,

Similarly rural clinics are serving at **9 Villages of Mundra 3 Villages of Anjar Block and Mandavi Block.**

The MHCU and Rural Clinics services are available with Token Charges Rs. 20 per patient.



## DISEASE WISE DATA OF MHCU & RURAL CLINIC



Under the '**Preventive Health Care**' programme, specific screening and questionnaire are developed for Non communicable disease(NCD) like **Blood pressure, Sugar, Thyroid** and suspected patients are referred for secondary examination at Adani Hospital, Mundra.

More than **110 Patients** are diagnosed with NCD and are cured before patient reaches to severity stage.





## Support to Vulnerable Patients

Adani foundation provide financial assistance to the most economically challenged patients who are suffering from life threatening diseases related to heart, liver, kidney and cancer cases with Minimum Participation.

In the current year total **1409 patients from Mundra, Mandavi and Anjar Block were supported in Adani Hospital Mundra.**

## Dialysis Support

Patients with kidney disorders must undergo periodic dialysis, which is expensive and lends financial burden to family.

Adani Foundation has initiated a dialysis program to support foremost needy patients .

Till date 5 patients with critical and severe condition has been supported for dialysis with token charge of Rs. 150 per session. Regular dialysis has improved patients condition prolonging their life.



## Senior Citizen Project

Adani Foundation has launched Senior citizen project with the aim to provide access for Promotive, Preventive and Curative health service to more than **8500+** elderly people of Mundra since 2011 to 2020 – A Decade.

After 2021 to make the project sustainable, Linkages with Government Schemes and senior citizens are initiated. Total **61 Senior citizens has been Facilitated with Senior Citizen and Widow Pension Scheme Rs. 1250/Month in 2021.** Till more than **750+ Senior citizens ARE Linked with Gov.schmes..**



## Health camps

Getting the right health screenings and treatments is the key to living longer and better.

### Major Activities

- Under Dignity of workforce program, weekly medical camps organized at labour colonies.
- General health check up of work force plus deaddiction counselling done by Medical Officers.
- Motivational sessions by “**Prajapita Brahmakumaris**” are also organized to make them strong against addiction.
- General Health camps, Specialty camps, Pediatric camp especially for Malnourished children are organized frequently to provide health care treatment to the community.

In this year **total 5200+ People are diagnosed and treated accordingly.**







## Corona Related Work at GKGH and AHMPL

- Started Covid care centre service at **Samudra town ship** to Provide medical services at 24 x7 hrs. Home Visit for examining patients with severe conditions and providing them immediate relief.
- AHMPL, Mundra was converted into Covid Hospital with 100 bed Facilities with oxygen to extend treatment to Covid patients. All related coordination done by our team for more than **350+ OPDs and IPDs**.
- Provided Oxygen Concentrators to home isolated patients to safeguard their lives during pandemic.
- Provide hearses to shift Covid deceased patients to Crematorium with all dignity.
- Precautionary voice message dissemination through '*Awaj de*' voice message service **Over 11000+** Community.
- Sanitized villages, Distribution of Vitamin C tablet to **2300+people**
- Adani Foundation employees volunteered for providing service in G K General Hospital, Bhuj during pandemic.



## Machhimar Ajivika Uparjan Yojana

The availability of water for personal and domestic hygiene has been found to be an important factor in decreasing the rates of water-related diseases such as ascariasis, diarrhea, schistosomiasis, and trachoma. **2091 female beneficiaries** at nine fisherfolk vasahats.

- To Reduce women drudgery to get water at fisherfolk settlement
- To Reduce Water borne disease

Sr. No	Vashat	Family	Requirement	Remarks
1	Luni	116	15000	9 Months
2	BavdiBandar	107	17500	9 Months
3	RandhBandar	245	25000	9 Month
4	KutdiBandar	118	-	Linkages with MSPVL
5	ZarapraVasahat	90	-	Linkages with Port
6	Virabandar	80	-	Linkage with GWIL
7	Junabandar	160	-	Linkage with Mundra GP
8	GhavarvaroBanada	60	-	Linkage with GWIL
9	Zaraprachacha	55	-	Linkages with Port GWIL
<b>Total</b>		<b>1031</b>		

Adani Foundation Team has initiated coordination with GKGH hospital since 2015 and established a reception area for the smooth patient coordination.

- GKGH Hospital is Covid Care Hospital since 22<sup>nd</sup> March 2020. in the second wave of Covid Adani Foundation staff members supported in patient counselling, coordinating and supporting for dead body Covid care van.

- Total **7826** Covid patients got treatment from overall Kutch with satisfaction.

- Dead body medical van –Dignity to death is one of the noble initiatives taken up by the Adani Foundation. If any death occurs in GKGH, dead bodies are shifted to the native village of the concerned in the Kutch District free of cost. Total 1163 dead bodies privileged till now to different locations in Kutch including Covid Patients.

- Mahiti Setu, A Platform at GKGH to Guide and Assist to get Government health scheme benefit. Through Mahiti Setu 6923 beneficiaries are sourced and more than 947 beneficiaries are linked with Ayushman Yojna and MAA Yojna.

Facilitation of Government Bal sahay Yojna- Rs.50000 Financial support to **527 family** who had lost their members due to covid-19.

Patient Care and Coordination at GKGH Bhuj to avail proper treatment and Guide for 100% satisfaction.

## Gujarat Adani Institute of Medical Science (GAIMS) - Bhuj





# Environment Sustainability

Environmental sustainability involves making decisions and taking actions that are in the interests of protecting the natural world, with particular emphasis on preserving the capability of the environment to support human life. It is an important topic at the present time, as people are realizing the full impact that businesses and individuals can have on the environment.

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, In year 2017-18 project "Sanrakshan" was launched in coordination with GUIDE. MOU has been signed with Dr. Vijay Kumar – GUIDE for conservation of five species of mangroves.



## Miyawaki-Nana Kapaya

Miyawaki is a technique pioneered by Japanese botanist Akira Miyawaki, that helps build dense, native forests. The Miyawaki method of reconstitution of "indigenous forests by indigenous trees" produces a rich, dense and efficient protective pioneer forest in 20 to 30 years. The approach is supposed to ensure that plant growth is 10 times faster and the resulting plantation is 30 times denser than usual. It involves planting dozens of native species in the same area, and becomes maintenance-free after the first three years.

Nana Kapaya village and proposed site for Miyawaki-Dense Plantation is very close to many industries in and around the Mundra landscape. This area is also very close to main roads and coastal creeks. Mainly dense to sparse *Prosopis Juliflora*- (Ganda Bavar cover) is recorded surrounding to project site with very few scattered native trees like-Limda, Deshi Bavaretc. Shrubs species like-Akadoand Aavarare also predominant close to site; while, grasses like Chhabarand Dhrabare recorded in proposed plot area.

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

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

- 1.Mixed Plantation dominant Drought Resistant Plants
  - 2.Mixed Plantation dominant by Larger Leaves
  - 3.Mixed Plantation dominant by Saline Resistant Plants
  - 4.Mixed Plantation dominant by Medicinal Values.
- Plantation of 4965 saplings of different 42 spices is completed which will result in dense forest within 2 years.







## Smriti van

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

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

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

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

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

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

Under this project, 60+ local species of trees will be planted and further the entire scope of development of Nursery, Soil enrichment, Plantation of saplings, mulching, biomass application, water supply & maintenance for 3 years are considered .

All Corporate of Kutch has supported fund for the same. APSEZ has done monitory support under CSR and Adani Foundation is coordinating for monitoring.





## Coastal Bio diversity

Mangrove is a tropical tree or shrub that grows in swampy areas and has tangled roots located above ground. Mangroves, seagrass beds, and coral reefs work as a single system that keeps coastal zones healthy and provide essential habitat for thousands of Flora and Fauna.

Mangrove cover in India is 4992 km<sup>2</sup> which is around 3% of global distribution and 0.15% of the country's total geographical area. With the second-largest mangrove cover in India, mangroves cover in Kutch increased from 794.77 km<sup>2</sup> to 798.44 km<sup>2</sup> With dominant species of *Avicennia marina*, *Rhizophora*, *Ceriops*, *Aegiceros* For the past two decades and APSEZ, Mundra is actively involved in mangrove conservation and management activities.

Adani Foundation contemplated to establishment of multi-species Mangrove Biodiversity Park to help disseminate knowledge on the mangrove ecosystem and simultaneously conserve the species with collaboration of Gujarat Institute of Desert Ecology (GUIDE), Bhuj, Kachchh.

Total 12 hector area have been developed with multi-species Mangrove plantation of ***Avicenna Marina***, ***Rhizophora Mucronata***, ***Ceriops Tagal***, ***Ceropos decandra*** at Luni Coast as phase wise in the year 2018-2019 (Phase-I). & Phase-II (2019-2020) with good survival rate.

So, to develop that as Bio- diversity park ,another 03 ha area coastal stretches have been planted with selected true mangrove species.



## Fisheries Diversity

Mudskippers and bivalves were found near the waterfront. The gastropod, *Pirenella cingulata* few crabs, Dead razor clams were also found inside the plantation site, A few crablets of *Scylla serrata* species and mud-skippers (*Periophthalmus waltoni*) were found in the cultivation site. In addition, catfish and mullets also occurred at the intertidal zone that the fisherman collected.

### Macro Fauna

- *Gelasimus tetragonon*
- *Austruca variegata*
- *Periophthalmus waltoni*
- *Tubuca dussumieri*
- *Calidris pugnax*
- *Ardea cinerea*
- *Recurvirostra avosetta*
- *Larus fuscus*
- *Pirenella cingulata*
- *Solen sp.*
- *Painted strock*

- ✓ reduce carbon sequestration by 3 T per hector annually in early five years  
- after it reduces up to 20-25 T per hector
- ✓ provide alternate livelihood to fisherman by providing 3500 person days employment annually .
- ✓ Provide natural Habitat for Flora and Fauna.





## Water Conservation (SDG 6/6.6)



At the turn of millennium, the state watched with growing alarm the steady depletion of its ground water and launched massive drive to achieve water security in Mundra region.

As a part of pre monsoon activities due to negligible rainfall we are getting less outcome of this intervention.

The Foundation's Water Conservation program, Swajal, is aimed at addressing the alarming depletion of groundwater levels and reduction in water sources in various parts of the country. Devising eco-friendly and cost-efficient methods of water body rejuvenation, the project works to revive existing water resources, plan sustainable infrastructure for protection of natural water bodies and improve ecological conditions around the area. Interventions are focused on groundwater recharge, sustainable agriculture and boosting livelihoods post stream rejuvenation.

Total 110 Roof Top Rain Water Harvesting, 190 Recharge Borewell and 56 Pond Deepening carried out in up to year.

### Impact

- ✓ 218500 men, women, children and elderly impacted by this initiative.
- ✓ Total Dissolved Solids (TDS) in the ground water down by 16.7%.
- ✓ Ground water table up by 4.2 ft. over the last 5 years.
- ✓ In four villages water levels have increased by 15-20 ft. through bore-well recharging facility
- ✓ Storage capacities of check dams and ponds increased by 106.44 MCFT. Total area benefited 2857 hectors.
- ✓ Annually 10000 Liters of water saved and up to INR 10000 saved per family.
- ✓ 80% reduction in money spent on labour.
- ✓ Up to 20% less money spent on electricity bills.
- ✓ 50% less water used as compared to conventional methods.
- ✓ Potable water available at doorstep. Earlier on an average women used to walk 1.3 kms to fetch water.
- ✓ On an average there has been up to 25% decrease in expenses on healthcare.
- ✓ Water availability has also ensured safety, security and overall well-being of women and children in the area.
- ✓ Initiatives and efforts made under water projects by Adani Foundation continues to provides sustainable solutions for community for their improved farming and ease of living.



Initiative	FY 2021	Total
Roof Top Rain Water Harvesting	50	115
Bore & well recharge	83	189
Pond Deepening	-	56
Check dams	-	21
Drip Irrigation	180	1158

## Drip Irrigation Project (SDG 2/2.4)

The fragile economy of Kutch is hampered by the salinity ingress and higher saline ground water which consequently impact on cultivation area and farmers yields as well.

Hence, To Conserve the Water. It is necessary to bring the land under '**Micro Irrigation System**' by allowing water to drip slowly to the roots of the plants, either from above the soil surface or buried below the surface we have started project Drip irrigation to Provide Financial support to adopt & Install Drip irrigation system.

This year **More than 180** farmers are supported with 15% Amount of Total Cost for maximum Rs.0.40lac.

Till the date Total **2229 acre of land are covered under Drip system by 1158 farmers** impacted to save their Money ,time and water and electricity as well.

### The process to availing Benefits

- Farmers have to apply in the prescribed form of Adani foundation with photographs \_
- Inspection and verification will be by AF representative.
- Ration card, work order of GGRC, 7/12 certificate, and all bills must be attached.
- Solutions to Queries .
- Primary information about farmer land will be recorded.
- Farm visit within 10 days of receipt of application and verified installation of the system as per map and material.
- Feedback from farmers.

### Farmers selection Criteria

- Farmer should belong to the intervention villages of AF (Adhar Card) within Mundra block
- Small/marginal farmer – having maximum 3 hectors total family land were considered.
- Submit copy of application and copy of approval certificate from GGRC for drip irrigation .

- Consent to contribute and participate as per the provision of the AF scheme.
- Spot check/ field visit at the farmer's farmland by AF team before and after setting up the drip irrigation system and regular monitoring visit.
- Opening a bank account (the financial assistance was provided only through cheque).

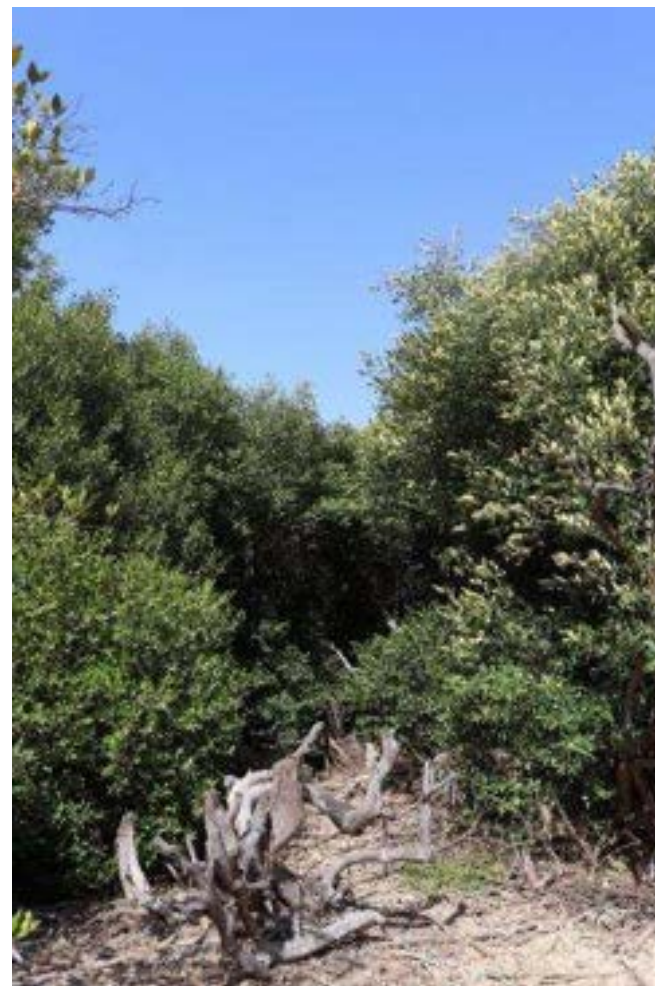




## Grassland Ecosystem Restoration project - Guneri

Lakhpat taluka is bestowed with rich mineral resources, lignite being the most important. Additionally, the area is also known for presence of tropical thorn forest. The region exhibits a great correlation between floral and faunal species and many rare and threatened species including *Helichrysum cutchicum* (endemic species), *Cistanche tubulosa*, *Campylanthus ramoissimus*, and *Sida tiagii* hence area is a proposed Biodiversity Heritage Site. However, the stress on this biological pool is constant, which arises primarily due to dynamic environmental conditions culminating in frequent droughts.

- With this background, and as a part of Biodiversity initiatives, to conceptualizing the landscape ecology and social-ecological systems together, by taking grassland restoration as its epicenter, APSEZ has proposed to take the pioneering steps towards building sustainable growth in the Lakhpat region, Kutch by taking **the initiation of restoring the natural grassland habitats (Ecological Restoration) along the Guneri village, i.e. ~40 Ha grassland ecosystem in gauchar land**, by collaboration with Gujarat Ecology Society (GES) – A Nonprofit Organization, based in Vadodara, Gujarat.



## Grassland Ecosystem Restoration project - Guneri

Guneri village is situated north of Lakhpur fort with a population of 967 as per the 2011 census. A Biodiversity Management Committee (BMC) already exists there and hence it becomes easy to undertake grassland restoration with the help of committee members. The gauchar land available for restoration is around 100 Ha and about 40 Ha of the area can be considered for restoration. The restoration process will be spread over a time period of three years, starting initially with 10 Ha and slowly moving up to 40 Ha by the third year.

The faunal survey was initiated in the month of December and continued till February 2022. This time is suitable to record the migratory birds. The survey highlights the presence of 9 threatened species based on IUCN (2021) viz., Monitor Lizard Black tailed Godwit, Black-headed Ibis, Common Pochard, Tawny Eagle, Steppe Eagle and White-backed Vulture were sighted in the area.

### *MILESTONES ACHIEVED*

- Restoring the grasslands in the Gauchar lands.
- Preparatory phase for plantation activity.
- Capacity building of the locals in the ecological monitoring process and process of documentation and observation of changes.
- faunal Survey Mammals-07 species ,Reptiles-04 Species Birds-59 Species ,Threatened species-09 Species were Found.
- On Soil day celebration, An expert session was presented by Dr. Jayendra Lakhmapurkar for the APSEZ staff, students and farmers.
- International Wetland day was celebrated on 2nd February jointly by Adani port and logistics and GES with the theme "**Action on wetlands for people and nature**". Key note speaker Dr. Deepa Gavali took insightful session to create awareness.





# Sustainable Livelihood Projects

Empowering lives and broadening their scope for economic opportunities, Adani Foundation's initiatives introduced under 'Sustainable Livelihood Development Program', is formed to empower and uplift community towards better living and better livelihood.

At Mundra Taluka, several communities are economically side-lined and depend on a sole income source or are unemployed.

*Sustainable livelihood projects have been launched to cater financial independence through building local partnerships, providing diverse livelihood avenues, inculcate the attitude to establish savings, equipping to earn and updating local skills by making use of existing resources to encourage self-reliant lifestyles.* Participation is encouraged by launching specific projects for fishermen communities, farmers and cattle owners, youth and women.

A comprehensive program for Fishermen community is developed with holistic approach to improve their Education, health, economic status, Employment opportunities, Infrastructure and social awareness.





With support of Adani Foundation, Education Scenario is changing in fisher folk community which wasn't a cake walk but with the hard work and commitment Adani Foundation has created miracles to motivate this vulnerable students to pursue Education for their bright future .

To inculcate Education in first generation learners – **SMART Balwadis** are set up with an aim to provide quality education, scholarship support to girl child along with transportation facility.





## SMART Balwadi

A child's early years experience provide strong base for their lifelong learning. A Balvadi center for their holistic development was set up at Four fishermen vasahat where trained Balvadi teachers looks after Children's Physical, cognitive, Emotional and Social development.

**Initiatives taken to provide Study Material and Cycle** are the distributed to keep fisher folk children motivated to continue their study as well as reduce financial burden of their parents.

68 fisher folk children studying in 9<sup>th</sup> to 12<sup>th</sup> standard were provided with educational material and stationary material and Cycle support to Juna bandar secondary school going students.

Economic Empowerment is necessary for "ATMA NIRBHAR BHARAT" and Skill Development is the base of comprehensive growth. To Develop various technical and Non-Technical Skills in youth - training was conducted for Fisher Youth and Women.

**Digital literacy and spoken English** class:- Basic computer and spoken English training for 152 Fisherfolk students of Zarpara and Luni Vasahat which will help them to grow with confidence.



**sewing training given to 26** fisher women of Juna bandar to make them Self-reliance. Planning industry tie-ups to provide them with livelihood opportunities.

## Awareness programs For fisherwomen :

Fisherfolk women are still living in 19<sup>th</sup> Century, due to lack of education they are having issues of addiction, hygiene and independence.

More then **1250+ women** participated in various sessions awareness workshop at Fisherfolk settlements periodically.


*Process for livelihood support to Fisher folk*  
**39 Fisher Youth were interviewed in various industries among that 12 are selected.**

## Mangroves Nursery Development

Optional livelihood provision during Two-month Fishing Offseason is taken care by Mangrove Planation and maintaining at Luni Hamiramora site.

Till the date 162 hector area have been planted with Avacinia marina mangrove species which provided **46247 person days** and create environment Sustainability as well.

Years	Mandays
2012-13	6943
2013-14	1480
2014-15	3240
2015-16	3533
2016-17	3125
2017-18	3666
2018-19	7539
2019-20	6261
2020-21	5020
2021-22	5440
Total	46247





# Project Fish

## *Skill Enhancement of Fisher folk Youth*

### Objectives

To Promote long-term socio-ecological effectiveness through focused interventions like employment through Skill enhancement.

Engage more than 500 fisher folk youth in Skill Development Training to provide consistent scope of income

Alternative incomes mean fishers are less pressured to go out to fish especially when the weather is bad

Skill Enhancement in technical sector will motivate them for Education provision in future generations

Livelihood interventions to improve fisheries dependent households and also reduce risk during open sea fishing

### Project Goal

To develop new livelihoods opportunities for more than 500 fishing families and therefore to helping with family finances this leads to an increased sense of empowerment and confidence.





# Pre-launch Activities

## Brewing Big

Fish project ideation bring into existence after researching and analyzing the existing situation of Fisher folk youth and challenges they face due to which the future of the community was at stake.

The future of any community depends upon its youth. Considering this phenomenon, Adani Foundation targets fishermen youth at remotest location of Kutch district covering villages like Zarpara, Navinal, Mundra, Shekhadiya and others.

The key activities conducted before the launch were:

**Mobilization** - Team reaches out to villages to created awareness regarding the purpose of project and providing detailed information about training and the employment opportunities provided to them.

**Counselling** - A regular Interaction with every potential beneficiary to understand their educational background and interest areas along with mental and emotional capabilities. On the basis of individual's educational background and capabilities, counsellor suggests best fit course to the beneficiaries.

1 Jan'  
2022

# Project Launch

Getting started

Project 'FISH' was inaugurated with an aim to enable fishermen community youth in 3 trades  
Assistant Electrician, Mason and Digital Literacy.

52 aspirants from community were given an opportunity to get holistic skilled development environment by Adani Foundation under Adani Skill Development Centre. The certified training program of \_\_\_months. The expert trainers of ASDC acts as a catalyst to develop not just technical skills but to provide trainees a holistic learning platform to develop their personality and to make them industry ready.

## Job Roles

- ☐ Mason General
- ☐ Bar Bender & Steel Mixer
- ☐ Assistant Electrician

11 Jan'  
2022

10 April  
2022

# Training & Beyond

## Skill journey of Beneficiaries

### Life at Skill Centre

Once beneficiary enrolls in a skill training program, he undergoes various modes and methods of training to develop his overall personality during his technical skill journey.

The training cycle started with theory sessions and practical sessions in respective job roles. Post that, Soft skills sessions and activity based learning sessions were conducted to boost their confidence. Though, beneficiaries start career at entry level, to grow themselves further ASDC prepares them with well with sessions like communication skills and Digital literacy.





I am happy that I am getting chance to get skilled and choose to make a living doing other occupation and no more dependent on just fishing. When my trainer appreciated my drawing skills for project and grasping power, I got determined to study dedicatedly to score maximum in my assessment.

**- Rahim Bhatti**

In 3 months of training, I feel immense confidence in myself. My changed personality is even witnessed by my family and friends. Post training session, I even do home study and discuss queries with trainers regularly to get myself prepare for my first job.

**- Ayub Vagher**



Initially I was hesitant to speak in class and also struggled in theory sessions. But our trainer is so supportive and helped me to understand better through practical. I am looking forward to start my career post skill training and all set to enter into an occupation to make my parents and fishermen community proud.

**- Abdullah Vagher**



# Transforming Lives

Home like meal service by SHG members

One of the interesting initiative of project the 'Fish' is the involvement of SHG group women named 'Saheli Gruh Udhyog' in the successful training of fishermen youth in the form of providing freshly cooked meal for the beneficiaries and arranging their lunch at training centre.

Adani Skill Development centre has given a meal service contract to SHG member and bears complete cost of beneficiaries meal and supporting SHG members in expanding their services.

About 'Saheli Gruh Udhyog'

It's a group of 10 members among whom, some are widows. They are making active efforts to run their SHG group by providing meal services for their sustenance.

Getting a chance to serve 52 young men for 3 months proved as a big achievement for their SHG group. *Moreover, food quality is appreciated by trainees and they express their gratitude by saying 'the food reminds them of home as it tastes like home'.*



# Sustainable Livestock Management

The inadequate rainfall and high saline ground water acts as a threat for agriculture practices. Also, cattle sustenance is the main cause of concern due to dry arid region in lean months. Adani Foundation contributed its exceptional efforts in Mundra block for consistent betterment in livelihood sector.

The organization has carried out remarkable activities in the agricultural and animal husbandry sectors i.e. Cattle Health care, Natural Farming, Soil health enhancement, Fodder sustainability etc.





## Pashudhan : Fodder Support Programme, Individual Fodder Cultivation

- ❑ Adani Foundation provides good Quality dry and green fodder to 24 Villages. Project is covering total 14116 Cattle's / 3008 farmers and hence enhancing cattle productivity. Fodder support is of prime importance for sustaining the cattle in dry months.
- ❑ Fodder Cultivation- To made fodder sustain villages - 25 Acre Gaucher land of Siracha village is being cultivated for the same.
- ❑ Fodder support MOU- with Gram panchayat at Zarpara, Nana Kapaya, Borana, Mangara, Sadau, Shekhdiya , tuna , Rampar, Dharab, Navinal, Luni, Gundala, hamiamora , Raga.
- ❑ Individual Farmer fodder cultivation supported for Maize seed and NB21 to more than 200 farmers which has created revenue of Rs. 27 Lacs.

## Preventive Health Care

- ❑ Adani foundation and Government Animal hospital jointly organizing Cattle awareness camps total 22 villages .
- ❑ Vaccination of susceptible animals against foot-and-mouth disease (FMD) is a well established strategy for helping to combat the disease. Traditionally, FMD vaccine has been used **to control a disease incursion in countries where the disease has been endemic rather than in countries considered free of the disease.**
- ❑ Foot-and-mouth disease (FMD) and Deworming done with 1883 cattle owner benefitted to 15700 cattle.
- ❑ Sheep and goats have weakened immune systems when they are sick with other diseases, are quite young or old, and during highly stressful events such as lambing. Deworming strategies should seek to protect these higher at-risk groups, controlling parasite levels in all animals to prevent visible effects of parasitism.
- ❑ Special Camps organized at Kira Dungar Nakhatrana for camel which benefitted 525 camels.





To protect Cattles against **Bovine Brucellosis** zoonotic disease, Awareness and vaccination program is ongoing with Kutch fodder fruit & Forest development trust (KFFT) in our 13 Villages , Last year 287 families 2132 Animals benefited. In 2021, In **Total 666 families 5083 animal benefited.**

**Bovine brucellosis** is a chronic infectious disease of cattle that causes abortion, the birth of weak or dead calves, infertility and, as a consequence, reduced milk production. Cattle and buffaloes of all ages are susceptible, and infection can persist for many years. In females, abortion is the major clinical sign, typically occurring between five and seven months of gestation. Most infections result from ingestion of bacteria either from diseased animals or contaminated feed. Infection may also be acquired by respiratory exposure and by contamination of abraded skin and mucosal surfaces. Infected bulls can spread the disease through semen. This disease is also zoonotic (a disease that can be transmitted from animals to people or, more specifically, a disease that normally exists in animals but that can infect humans). Under this project following activities were carried out so far,



- Meeting with Gram Panchayat, Farmers and Livestock Owners.
- Development and Distribution of the Awareness Materials among the stakeholders.
- Mass Level awareness by pasting the poster and meetings with Village Leaders and Gram Panchayats.
- Primary Survey and Sample Collections i.e. Milk Ring Test, Blood Collection and testing.
- Brucella Vaccination and Ear Tagging etc.



# Sustainable Agriculture

Sustainable agriculture is to protect the environment, public health, communities, and the welfare of animals. Sustainable agriculture also promotes economic stability for farms and helps farmers to better their quality of life.

Soil Enrichment, Crop Pattern, Agro Cover, Natural Farming, Orchard Development, Tissue Culture, Water Harvesting Practices, Replacement of chemical fertilizers and pesticides, Bio intensive Integrated Pest Management are the main parameters of Sustainable Agriculture Practices.

Sustainable Agriculture benefits are:

1. Contributes to Environmental Conservation
2. Saves Energy for Future
3. Prevents Soil Erosion
4. Enriches Soil quality
5. Biodiversity
6. Sustainable Livestock management
7. Economically Beneficial For Farmer
8. Quality Food to consumers



## Home biogas

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.

- 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 cigarettes.

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.

Sustainable agriculture Project is revolving around Home biogas which is not just utilized for cooking gas but its by product is bio slurry which is replacement of chemical fertilizers and promotes soil enrichment.

Adani Foundation has supported for **223 Home biogas system** till date with 20% participation by the community.

**As per SORI use of biogas each farmer can save Rs.23399/-year. Total 223 farmers can save Rs.5217977/- in a year.**





## Promotion of Natural Farming

To promote Natural farming Adani Foundation has originated cow based farming initiative with interconnected techniques which can increase farmer yield – our main objective is to improve quality of soil. Pre testing and post testing is carried out for designing carbon content management of soil.

### Implementation

- Survey and identification of farmers to adopt Natural farming –**Total 150 Farmers were selected as criteria in first phase of the Project.**
- Arranged Workshop & Hands on training for them which was conducted by Agri expert ,KVK and Progressive farmers with 700+ farmers.
- **23 vermi compost unit have been set-up** to give guidance n training to other farmers. This units are provided Which is facilitated through Government with farmer Contribution.
- **150 Farmers have started to preparing JivaMrut & Gaukrupa Amrutam Bio-fertilizer** and using in agri crop. Series of Training is arranged by ATMA and Adani Foundation in which more than 700 farmers participated.
- Four Farmers Groups is registered with **ATMA –Agricultural technology management Agency – it will leverage Government schemes.**









## Promotion of Horticulture : Kutch Kalptaru FPO

Kutch Kalptaru Producer Company (KKPC) is established to address the challenges faced by the farmers, particularly to enhanced access for inputs, technology up gradation in Agri practices, output, Sorting, Grading, Value addition & marketing. by the farmers of Mundra Block in the year of 2020. The company is started with 350 shares of 280 holders, Right now it is on path of expansion up to 5000 Farmers.

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

Regular Director Board Meeting as well as capacity building Training were arranged.

In Coordination with KKPC, Adani Foundation has supported for Dates Offshoot plants to 100 farmers. It will start fruiting from 4<sup>th</sup> year and matured from 7<sup>th</sup> year. 4<sup>th</sup> year



expected yield is 50 Kg. and Minimum fetch rate is 50 per Kg so each farmer will produce 1000 Kg high quality dates and Rs.50000/- income from it and all 100 farmers will produce 100000 Kg dates and income will be generate Rs.50 Lacs in first fruiting year.

It will increasing year by year till 7<sup>th</sup> year, when dates plants matured and after that 2000 plants produced 300000 Kg expected high quality dates and expected income will 1.5 Cr. Approx.

Five farmers are cultivating Dragon Fruits in 2 acre each – Total 11000 plants.



# Women Empowerment Projects

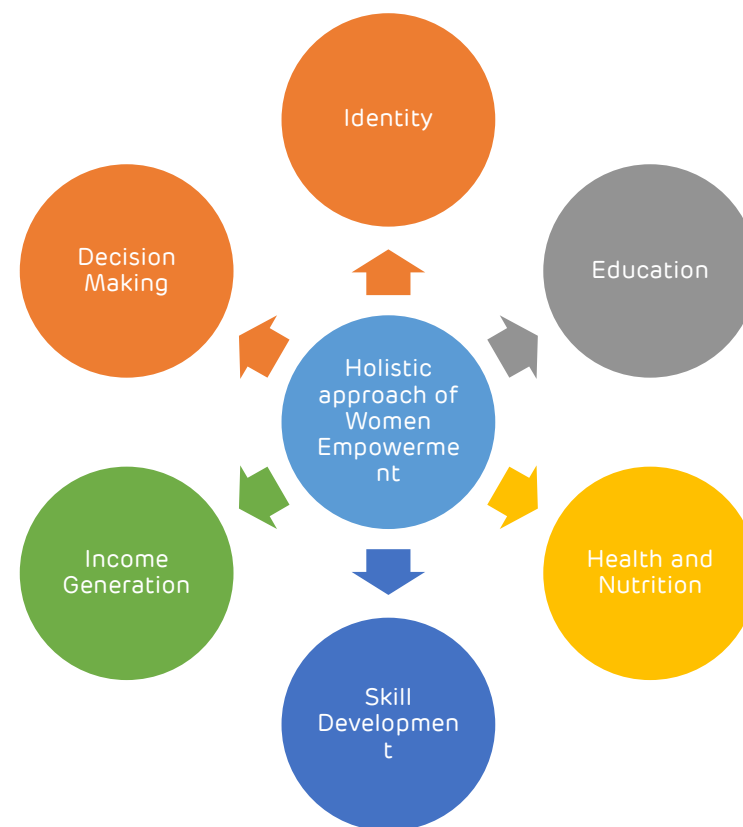
Women are central to the entire development process, be it in an individual family, village, state or to a nation. Adani Foundation provides platform to community women to break the ceiling and move out as a change makers in their communities and among societies keeping their traditions intact. A considerable change has been witnessed in Mundra in terms of development of women beneficiaries in various fields of occupation like farming, self entrepreneurship, agriculture, etc. Adani Foundation has a special focus on empowering rural women and uplift by providing sustainable livelihood support resulting socio-economic shifts in rural population.



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

Adani Foundation focuses on is all parameters as a part of holistic approach towards empowering Women.

- Education – **More than 1200** girls are impacted under project Utthan. Project promotes girl child education, Creating awareness through various Govt schemes like Vahali Dikri Yojana, Sukanya Samriddhi Yojana and others.
- Health and Nutrition – Suposhan Project focus on adolescent and Reproductive age women nutrition part. Till date covered more than **12500 women** and **8700 adolescent** under this Project and brought them to considerable status.
- Skill Development and Income Generation – Adani Foundation is working with **15 Self help groups** and supporting to develop entrepreneur skills to become self reliant, sourcing more than 350 women to absorb in various job – this will give them identity, confidence and right to speak in any decision for home, village and working area.
- Drinking Water and Sanitation – Total **115** Roof Top Rain Water Harvesting is supported for hassle free household chores. **1057** families are supported for Potable water at Fisherfolk settlement to reduce drudgery of women.







Total 15 Active SHG Groups are engaged as mentioned in table Income generation activity. We facilitate them capacity building training for quality ,Marketing Finance and team work to made them self sustain.

#### Major Achievements:

- Saheli Swa Sahay Juth have **completed order of 15000 Sanitary pad** from District Health Department.
- **"Shradha Saheli Sva sahay Juth"** has won tender to provide Catering service in Block level Government.
- **Tejasvini SHG has received order** of three layer mask preparation worth Rupees Nine Lacks
- **Sonal Saheli** Women SHG had **supplied 500 KG washing powder** to Adani port & Will mar.
- Shradha Saheli & Jay Adhar Saheli have been registered in FSSAI (Food safety and standards Authority of India.
- Turn over of Tejaswi Saheli, Shradha Saheli and Meghdhanush Saheli is **@ 40 Lacs till date.**

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



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

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

Registration Number: 20721013000245

1. Name and permanent address of Food Business Operator (FBO) JAI AADHYAR SAKHI SDA SAKHI JUTH BAROI, Baroi, Mandra, BHUJ(KUTCH), Gujarat-370421

2. Address of location where food business is to be conducted / premises BAROI, Baroi, Mandra, BHUJ(KUTCH), Gujarat - 370421

3. Kind of Business General Manufacturing

4. Photo Identity Card N/A

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

Place / BHUJ(KUTCH)

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

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

Registering Authority

**Annexures:**

1. [Product Annexure](#)

2. [Validity Annexure](#)

3. [Registration Id Card](#)

**Note:**

1. Application for renewal of Registration Certificate can be filed as early as 180 days prior to expiry date of Registration Certificate. You can file application for renewal or modification of Registration Certificate by login into FSSAI's Food Safety Compliance System (<https://portal.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.

2. This Registration Certificate is only to commence or carry on food businesses and not for any other purpose.

3. This is computer generated Registration Certificate and doesn't require any signature or stamp by authority.

4. This Registration Certificate is allowed to conduct food businesses activities having annual turnover upto Rs. 12 Lacs only.



## Community Resource Center

Adani foundation acting as bridge between Government and needy beneficiaries to facilitated government scheme leverages since 2015. and after our efforts and observation, we decided to established Community resource center, where people can have easy access for Guidance and complete all necessities document for Government Scheme.

CRC is Located just near to Mundra Bus stand and known to all People.

In the year of 2021-22 Total 667 people have benefitted through CRC center.

Total 2243 beneficiaries have been benefited and get support through Government and Adani Foundation. Among them more than 712 people have been getting financial support as Monthly base that is. Rs16.Lacs.



Scheme Detail	Beneficiaries 2021-22	Remarks	Total Beneficiaries	Revenue Convergence (Rs)
Senior Citizen	10	Rs.750/ Month	104	78000
Online Application	13		13	
Widow Pension	289	Rs.1250/ Month	526	657500
Medical Certificate	59		59	
AF Support	32		32	
Divyang pension	2	Rs.1000/ Month	7	7000
E-Shram CARD	8		8	
Divyang Job	14		14	
Sukanya	123		123	
Vahali Dikri	23		23	
Bal Yog Yojna	51	Rs.2000/ Month	51	102000
Covid -Support	13	Rs.50000/ one time	13	650000
Aditya birla Scholarship	30		30	
palak mata pita		Rs.3000/ Month	9	27000
sanakat Mochan		Rs.40000- One Time	2	80000
Tool and Kits Support by through Government			1057	
Support By AF (Widow and Divyag)			159	
Ration support To Widow and Niradhar			13	
Total	667	0	2243	1601500

## Project Swavlamban

Project Swavlamban Launched with an aim to make **differently abled people of MUNDRA TALUKA self sustainable.**

### Our objectives:

- To increase awareness about Government schemes for Divyang people, widows and senior citizens and coordinate them with Social Welfare Department, Government of Gujarat.
- After getting income generation equipment support - Proper training provision to make them self-reliant in true sense!!
- Adani Foundation is playing key role as facilitator in case of tie up with Government Scheme for Widows, Senior Citizens and Handicapped people. The identity cards are issued for the handicapped in coordination with Bhuj Samaj Suraksha Khata which is beneficial for them to get specific kit for their disability type. This year **154 beneficiaries** linked up with pension scheme.
- The financial benefit of the senior citizen Yojana is Rs. 500 per month and the widow scheme is of Rs. 1250 per month. Jilla Samaj Suraksha Officer and team remain present every time.





# Community Infrastructure Development

Building a strong community relationship is the key to progress of Adani Foundation. The programs such as Education, Health and Sustainable livelihood development play a very important role in building this strong relationship with the community. These three programs are incomplete without the inclusion of the Rural Infrastructure Development program.

This year on path of sustainability, we have taken some steps as follows...

Under Fisherfolk Development Project, Adani Foundation has constructed 46 shelters at Randh Bandar with pre cast structure. Fisherfolk Community cum Training center is the biggest project of current year and will also create impact as a boon for fisherfolk youth for various trainings.

Balwadi development work at Bandar and Shed for Adani Skill Development Center for technical trainings will also improve quality of many lives in true sense.



- 23 Fishermen of Randar bandar are benefitted to Pakka House constructed under AF Fishermen Avasa yojna
- Renovation and Up-gradation of Check Dam & River Rejuvenate work at siracha and Bhupur villages.
- RRWHS & Bore well recharge Construction at Various Villages.
- Basic amenities and maintenance and repairing work at all Fishermen vasahat.
- Community gathering and training Center construction at Different villages
- LED Street Light and Sky Lifter Structure at Municipality Mundra Baroi.
- Supply & Fixing of Hi Mask Tower at Gundala village work.

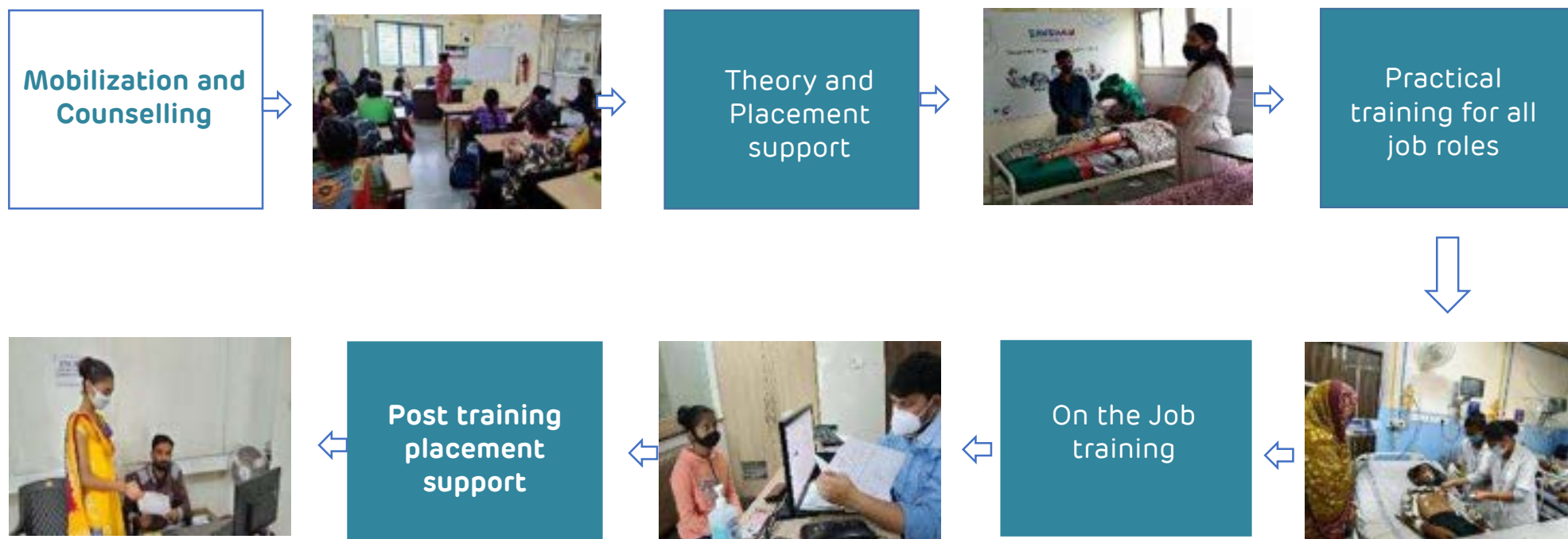


# Adani Skill Development Centre

A section 8, not-for-profit company, registered on May 16, 2016, 'Adani Skill Development Centre' is an initiative of Adani Foundation. ASDC focuses on skill development activities to contribute towards nation building by bridging the skill gap demand & supply, in line with Government of India's Skill India Mission.

"SAKSHAM" is an ideology of the Adani Skill Development Centre to make youth of India 'SAKSHAM' (capable) of achieving their goals in life by becoming skilled professionals.





A strategic model of skill training is implement by ASDC in which Mobilisers visit remotest locations to encourage youth and women to get skilled, Counsellors provide in-depth information and assist in suggesting need based course, Certified trainers with expertise provides theory and practical training. Trainees are provided with soft skills sessions and interview preparation sessions to make them employable and industry ready. For each batch, ASDC team will arrange Panel Interviews and Campus Interviews for trainees to get directly selected as soon as they complete training.





Practical Training : As a training part we are conducting other activities. We have conducted Learn with Fun activities, Parents Meeting, Certificate distribution program, Preparation for Interview etc.



Women's Day Celebration : Conducted 7 days seminar to empower female candidates in line with International Women's Day theme. More than 60 women participated.



Educational Exposure Visit of GDA candidates (DDU-GKY) at K. D. Hospital Ahmedabad. 21 candidates visited.



Guest session organised for trainees to provide them soft skills training and make them industry ready with a dose of motivation.



Certificate distribution to GDA batch Students

## Course wise Admission Bhuj

Name of Trade	Total
General Duty Assistant	90
Digital Literacy	42
Financial Literacy	45
GST with Tally	169
Frontline Health Worker	11
Welding Technician	1
Basic Functional English	5
Beauty Therapist	5
Logistics & Supply Chain Management	1
Junior Crane Operator	3
Occupational Safety and Health Administration	1
Pedicurist and Manicurist	2
Domestic Data Entry Operator	2
Diet & Nutrition	41
First Aid	81
<b>Total Admission</b>	<b>499</b>

Name of Trade	Bhuj	Kutch University	Chanakya College	DDU-GKY	Total
Total Admission	97	179	191	32	<b>499</b>

Name of Trade	Total Trained	Placement	Self-Employed	Upskilled
General Duty Assistant	32	10	0	22
Digital Literacy	38	0	0	38
Financial Literacy	20	0	0	20
GST with Tally	92	0	0	92
Beauty Therapist	3	0	3	0
Junior Crane Operator	3	1	0	2
Pedicurist and Manicurist	1	0	1	0
Domestic Data Entry Operator	1	0	0	1
Diet & Nutrition	41	0	0	41
First Aid	41	0	0	41
<b>Total</b>	<b>272</b>	<b>11</b>	<b>4</b>	<b>257</b>

Name of Trade	Mundra
Basic Functional English	170
Digital Literacy	152
Self Employed Tailor	120
Pedicurist and Manicurist	107
Junior Crane Operator	54
Mason General	42
Bar Bender and Steel Fixer	42
Dori Work	22
Mud Work	18
Assistant Electrician	10
General Duty Assistant	6
GST with TALLY	5
Beauty Therapist	2
Data Entry Operator	3
Checker	1
5S	1
<b>Total Admission</b>	<b>755</b>

### Placement Details for the F.Y. of 2021-22 (Mundra)

Name of Trade	Total Trained	Placement	Self-Employed	Upskilled
General Duty Assistant	6	0	0	6
Digital Literacy	99	0	0	99
GST with TALLY	5	0	0	5
Mud Work	18	0	18	0
Basic Functional English	105	0	0	105
Dori Work	22	0	22	0
Junior Crane Operator	46	25	1	20
Data Entry Operator	3	0	0	3
Pedicurist and Manicurist	27	0	27	0
Self Employed Tailor	29	0	29	0
<b>Total Admission</b>	<b>360</b>	<b>25</b>	<b>97</b>	<b>230</b>



# CSR Nakhtrana

Adani Green Energy(MP) Limited (AGEMPL) proposes to setup an integrated wind energy project as Green Energy Works which includes Limestone 750 Mw, Through approx. **1250 windmill** at Dayapar to Nakhtrana in District Kutch (Gujarat).

- Socio economic survey of Widow women and than linked with Government Widow pension scheme Rs.1250 /Month. Total **246 widow women have been facilitated with Widow pension scheme** with convergence of Rs.307500 /Month on Regular basis.
- **Till the date 22 Bore well** were recharged at Ugedi and Deshalpar Villages. Two pond deepening work and **4 Old check dams** were repaired. Tree Plantation at Jinjay & Ugedi Villages Primary schools.
- **Government Scheme Awareness Session** was held at Deshalpar village on the silver Jubille of Foundation day .
- **Distribution of 1000+ Mangoes Sapling** to farmers of Ugedi and Deshalpar Villages for promotion of Horticulture farming.





# CSR Lakhpat

Adani Cementation Limited (ACL) proposes to setup an integrated cement project as Lakhpat Cement Works which includes Limestone Mine in 251.9 ha area.

Main focus of Adani Foundation is to prevent community from life threatening diseases and provide basic healthcare services.

Activities:

- Barred land of the Kapurashi crematorium afforestation with **2222 different type of trees in collaboration of forest department and Bhagvati Gramaya Vikas trust**. Arranging **water pipelines to facilitate regular watering** of plants to ensure nurturing. Impact: Attracts peacocks and other birds at crematorium site.
- General health camp and specility health camp was arranged frequently at villages. More than **425 Patients were diagnosed and refer to GK General Hospital** for further treatment and operation if needed.
- Sewing machine training was conducted Kapurashi women. Main objective of the training was to empower women to boost their self confidence and thus financial independency,



# CSR Tuna Port (AKBPTL)

Adani Kandla Bulk Terminal Pvt. Ltd. is joint venture of Adani Ports and SEZ Limited and handles all types of dry bulk cargo including coal, fertilizers, minerals, industrial salt and agriculture products.

Various activities were carried out for the community development under core areas of Education ,Health ,SLD & community Infrastructure of Tuna ,Ramapar Vandi villages and Fishermen vasahat

## Rural clinic and MHCU

Basic health facilities is being facilitated through Rural clinic Rampar, vandi and MHCU to vira bandar.

Specialist health camp was arranged at Tuna Villages. More than **184 patients was diagnosed and treated** as well as suggest to GKGH for Further test and treatment.

## Drinking Water

Potable water supply to Dhavlavaro and Vira bandar vandi villages impact on fishermen health to reduce water born disease.

## Covid Vaccination camp

covid vaccination camp was held at AKBPTL for labors and security Staff through government health department.

## Fodder support

Fodder scarcity is always remained prime need of farmers which is being resolve through Fodder supply intervention to Rampar and Tuna village from April to July -2021 which improved cattle health and milk quality.

**26680Kg** Dry fodder support

**721855Kg** green fodder support

**Pond deepening** and bund strengthen of Rampar village pond increase water storage capacity.

**Construction of Community** gathering center at vandi village provide access for community function and training as well.

Water pipeline installation near to Rampar village pond to Watering tree planation which was developed by villagers and maintain regularly.



# CSR Bitta

One of the Largest single location solar power project was commissioned by the Adani Group at Bitta, in Gujarat in year 2011. It spans a vast area of 450 acres. The massive plant comprises 2 lakh solar modules, 73782 foundations, 4500 tons of structure, 2800 km of cables, 56 inverters and 33 transformers. And now fully operational mode as well as connected with the 66 kV GETCO substation of GETCO TO powering 16,326 homes in a suitable manner and for the Sustainable rural development various Activities was carried by AF as mentioned.

- Avail Drinking Water and drainage line facilities by availing pipeline connection to Dhufi village which reduce drudgery and lead toward 'Swachh village'.
- Repairing and maintenance Bavniyar village cricket ground to offer hassle free playing ground as well; crated strong repo with Youth.
- Cleanliness of village Pond inlet in the Bita Village which lead more storage capacity and Village. Pond bunding construction in Dhufi village.
- Support Bita Primary school with Four Solar Light which reduce Electricity consumption and nurture renewable energy concept.
- Pota container and LED light support at Mathla check post for security and safety purpose.
- Cleanliness awareness session was conducted with Cleanliness program with youth involvement to create my Village clean village concept.
- Panchayat Building construction was carried out by Adani Foundation's support and technical guidance.



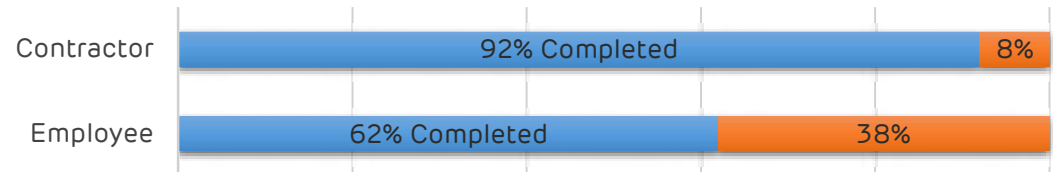


# Dignity of Work Force Programme - EVP



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

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



No of sessions  
**155**



No of Trainers:  
**89**



No of days  
**44/50**



Total no covered:  
**3433/3906**



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

Early diagnostics and treatment initiation are key to saving lives and minimizing disease transmission. In 2019, India reached a milestone of 24 lakh notified cases in India, an increase of 12% compared with 2018. Even then, an estimated 5.4 lakh were 'missing' across India, a serious drawback to our TB elimination efforts as what is not measured is unlikely to be improved. Diagnostic delays are also prevalent in India, with studies indicating that these can be attributed to patients as well as health systems.

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

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

*“जन जन को जगाना है, टीबी को भगाना है”*



## Dignity of Work Force Programe - EVP



**"Joy of giving week"** celebrated by employees of APSEZ and AWL by distributing clothes and stationary items to labour workforce of APSEZ.

More than 7500 Clothes distributed to 650 workers of Labor Colony.

## Support to children Vallabh Vidyalaya

In year 2018-19 year Adani group employees has adopted **704 students** and in year 2019-20 adopted **800 students** who are from families of migrant labourers working in various industries in and around Mundra.

And in 2021, **997 students were registered and** to make employees connected with children Vallabh Vidyalaya regularly send progress report twice in a year. Current year Women group of Samundra Ladies has donated Rs. 55,000 for support activities of School and motivation to teaching staff in street education.



**De-addiction Awareness Campaign** is going on with "Prajapati Brahmakumaris" at Labour Vasahat Areas. This campaign has changed life of many labours. Cleanliness Drive is organized in May and August with Adani Willmar Limited at vasahat areas. In this series of event 225+ labours remained present and 9 labours took pledge to leave liquor and Tabaco.

# Events

## Community Resource Inauguration

Inauguration of '**Community Resource Centre**' to support and facilitate community regarding various government schemes.

District Magistrate of Kutch Ms.Pravina D,K , IAS, District Development Officer was guest of Honour. Other dignitaries present was Mr Bhavya Verma – IAS ,Director, DRDA Mr Joshi , Director- Social welfare office Mr Arvind Rohadiya, Mr Chaudhary Sub Divisional Magistrate , Sarpach and volunteers from villages were remain present.

'**Schematic Guideline book super -51**' book launch on 3<sup>rd</sup> April . Book consists in-depth scheme information on , Health, Education, Fisher folk based schemes and Social welfare schemes.

All dignitaries along with National Rural Livelihood Mission (NRLM) **visited to Sanitary pad making unit**, ensuing support to create sustainable Group.





## International Day of Persons with Disabilities

International Day of Persons with Disabilities is an international observance promoted by the United Nations since 1992. Since 2011 – **Adani Foundation Mundra is celebrating the day with enthusiasm and Zeal in coordination with District Social Welfare office** by planning various support to divyang people.

Adani Foundation has supported **more than 35 Divyang** to initiate their livelihood i.e. Stitching, Flour mill, Ration shop, E-Rickshaw, Gift Shop and Agarbatti making machine. In connection with this, current year Adani Foundation has organized '**Divyang Employment Fair**' in coordination with more than 14 Industries of Mundra on 1st December 2021. Same platform was utilized for distributing "**E-Shram Card**" with Labor Commissioner of GOG which will give benefit of Rs. 2 Lacs accidental Insurance and unique pension scheme (3000 INR per month for any Divyang after age of 60 years) for all Disable people of Mundra.

**Total 28 Divyang had applied for interview and out of them 11 received confirmation for job. Apart from this 92 E-shram cards were developed.**





## World Wetlands Day programme

Adani Foundation, Mundra and Gujarat Institute of Desert Ecology (GUIDE), Bhuj-Kachchh has jointly organized the **World Wetlands Day programme on 2<sup>nd</sup> February 2022**

Shri. V. S. Gadhavi, IAS (Retd.) was the chief guest proceeded by Smt. Pankti Shah and officials from Adani Groups and Adani Foundation along with Dr. V. Vijay Kumar, Director, GUIDE and scientists from GUIDE were participated in the programme.

Eminent personalities; Prof. K. Padmakumar, Former PVC Kerala University of Fisheries and Ocean Studies, also Director, Centre for Marine Biodiversity, Department of Aquatic Biology and Fisheries, University of Kerala delivered an enlightening talk on "Mangroves Ecosystem – Global and Indian Perspectives".

Prof. I. R Gadhvi, Head, Dept of Marine Sciences, Maharaja Krishnakumarsinhji Bhavnagar University delivered a talk on "Mangrove Scenario of Kachchh" and in his talk highlighted the increase of mangrove cover especially in Kachchh district.

Dr. Sheetal Pachpande, Mangrove Foundation, Mumbai delivered a talk on "Mangrove Interpretation Center" that highlighted replication of such centers in Mundra, Kachchh for enhancing the knowledge among students, naturalists and local inhabitants in mangroves and marine sciences.

Students from the HSC Science school of Mundra Block are Participated in Drawing competition and Students from Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar; Atmiya University, Rajkot Did paper presentation. Among them decalarred 1<sup>st</sup> winner for Paper presentation and 1<sup>st</sup> to 5<sup>th</sup> winner for Drawining competition as well Provide Precipitation certificate to all.

Apart Them Site Head and Adani foundation and All site head were remain present Virtually Program is conveyed by Mrs Panktiben Shah –UCH and concluded by Shri. V. S Gadhavi, in which he has pointed out the conservation and management of coastal and mangrove ecosystem and the need for the preparation of long-term action plan for the effective conservation of the same.



## International Women's Day

### Activities:

#### Bhuj

- Session on Gender Equality and Women Empowerment at G.K General Hospital, Bhuj. The guest of honour was Mr Nimaben Acharya, Speaker, Gujarat Vidhan Sabha.
- Felicitating **Disha Gada**, a woman pilot who rescued 275 students from Ukraine.

#### Mundra

- Session on Importance of Health and Hygiene for women organized in association with Rotary Club at Mundra.
- Honored 230 women of best two blocks of Anganwadi with certificate and memento for their successful contribution at work.

#### Nakhtrana

- General Health camp was organized at Nakhtrana Gram panchayat specially for women in collaboration with GKGH.
- Utthan
- Recreational activities for woman sahayaks, Educationalist, Principals, Sarpanch of 42 Utthan schools.

2059 Women participated in celebration of Women's Day week.





## Fishermen Youth Employment Training

Inauguration of Technical Skill Development Training Program for the Fisher folk youth by Adani Foundation

Adani Foundation and Adani Skill Development Center had jointly inaugurated of the **"Technical Skill Development Training Program for Fisher folk youth on 10<sup>th</sup> January**. To Promote long-term socio-ecological effectiveness through focused interventions like employment through Skill enhancement and "To improve fisheries dependent households

**In Phase I, 51 fish folk community youth will be skilled and certified in job roles like Assistant Electrician, Mason and Bar bender under 90 days training program supported by placements.**



## World Environment day Celebration

- Adani Foundation celebrated World Environment day on 5<sup>th</sup> June with Inauguration of Maiyawanki forest development.

Activities done on World Environment Day:

- **MOU with KSKV Kutch University** and Adani Foundation to provide technical guidance on **'Cow based'** natural farming.
- Conducted **training on 'Jivamrut' and 'Vermi compost preparation'** to farmers promote cow-based natural Farming with Home Bio-gas distribution.
- **Inauguration of Miyawaki forest developed at Nana Kapaya village** in 2.5-acre land with collaboration of Forest and Manrega Department and Gram Panchayat participation.
- **2000 trees have been planted with spreading awareness among people at various places of Mundra, Nakatrana and Tuna location.**



## Adani Foundation Day

**Silver Jubilee of Adani Foundation was celebrated on 11<sup>th</sup> August** at Adani House Mundra. **11 women** were felicitated who have done Remarkable work in the their filed of Agriculture , Education , Entrepreneur, Government and having special recongnization among society and Communities for their work by Shree Rakshit Shah, Executive Managing Director- APSEZ and HR Head- APSEZ.

Also felicitated first fisherman youth- Shakil Manjaiya with Offer letter to work with APSEZ after completing Mechanical Diploma.



## World water day celebration

World water day was celebrated on the Theme of "Groundwater, making the invisible visible" at Adani House auditorium **felicitating all progressive farmers with a memento** who have done remarkable work for water harvesting and management as an individual and at village level.

The event was graced by chief guest, Mr. Dipeshbhai Shroff, President of Kutch Nav Nirman, Mr. Rakshit Shah- EDM ,APSEZ , Mr. Yogesh bhai Jadeja Director of Arid Community and Technology, Mr. Niraj Kumar, Deputy director of NABARD ,Kutch.

Mr. Rakshit Shah, Executive Director, APSEZ expressed compliments to all **14** progressive farmers for their exceptional work for water conservation and management.





### **International Coastal Cleanup Drive**

Indian Coast Guard, Adani Foundation team, NGO team, Students of SV Arts and Commerce College unanimously dedicated a day to clean Mandvi Beach and to create awareness among local community towards saving guarding coastal areas by becoming responsible citizen towards clean ocean.



### **Utthan Second Phase Inauguration**

Inauguration of Phase II of Utthan was inaugurated on 28<sup>th</sup> September spreading its impact to more 14 schools. On this occasion District Primary Education Officer, Utthan schools Principal and teachers have graced the occasion.

### ***"Like an Oasis in a desert"***

Dema ben's family has returned home from a neighbour country in 1971 war. Today Demaben is happy to be in her own country but prior to that she and her family faced lot of stress and underwent a lot of trauma living in a conflicted place away from home.

She lives with her Husband and daughters. Her one daughter is suffering from mental illness and completely dependent for care. Her husband is doing labour work in farms. He is sole bread earner of this vulnerable family. Being single earning person of the family doing labour work and a responsible father of a dependent daughter, his income is never sufficing which creates constant distress in family. Her willpower is strong, but all these did a toll on his health, and she suffered constant headache, Fatigue, High Blood Pressure, Nausea, etc.



Demaben Umed  
Village Pragpar-2, Kutch

Dr. Mukesh Parmar, Adani Foundation inspected her condition, her BP was 197 /97 mmhg. He immediately started symptomatic treatment and later second follow-up, Dr started anti-hypertensive treatment and provided required medicines and advised her some lifestyle changes and list of food items to add in her regular intake of meals. On regular follow-up checkups and treatment, Dema ben followed her road to recovery. Dr has witnessed steady progress in her health, and she finally got a relief from a disease.

She expresses gratitude in her vernacular language expresses Adani Foundation as 'વિરાન જંગલ મા મીઠા જલ ની વિરડી સમાન' meaning 'Sweet water well in barren Jungle'.

### ***"Live many more years Chacha!"***

Ramzan Adam Chacha lives with his family at Juna Bandar. For the last 8 years he is the victim of Kidney Failure. He needs to go for dialysis regularly. However, the treatment facility was only available in Bhuj which compelled him to travel to Bhuj for 2 days in a week. He had to skip his work for the days, if there is any delay in his dialysis routine, which is very difficult situation for a fisherman whose income depends on daily catch, he need to skip his work to rest. Moreover, in his thin financial position, it was difficult for him to arrange money for the treatment and transportation too was a big issue. Learning about dialysis centre at Adani Hospital Mundra, he approached for aid from Adani Foundation.



**Ramzan Adam Chacha**  
**Village Shekhdiya, Kutch**

In no time Adani Foundation team planned a routine dialysis for him against no cost. Earlier he used to visit thrice in a week and from the last two years, he is coming twice in a week. "Watching him every year is the biggest source of inspiration for not just me but our whole team. I wish Chaha to live many more years" says Manharbhai, Adani Foundation Employee.

"Mari toh umer vadhari didhi Adani Foundation e, treatment ma sahay kari," chuckles Ramzan Chacha in his local language. Meaning "Adani Foundation has prolonged my age by providing Dialysis support for the last 8 years".

### : 'Hands are softer than a stick'

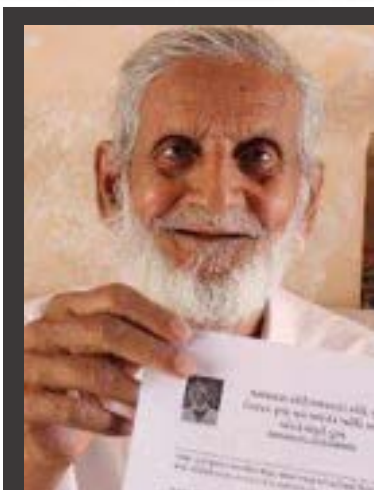
A senior citizen named Suleman bhai hails from Pragpar village. Father of 6 girls out of which 5 got married. He lives with her wife and 1 daughter. Both Suleman bhai and his wife are senior citizens. Being a father of 6 girls, Suleman bhai was concerned about his financial situations, this did not stop him from giving best life to his daughters. 5 of them got married and youngest one is graduated. Suleman bhai and his wife along with daughters used to work as house helps and did labour work to earn living.

Due to their slim economic condition and constant labour work, Suleman Bhai's health started deteriorating. He started having blur vision, watery eyes and constant discomfort in his eyes. On consulting doctor, he got to know that he needs to undergo cataract surgery for both his eyes. It was heart wrenching to know for the family as the cost of surgery was too high. Someone recommended him to consultant Doctor from whom he got to know about 'Adani Vadil Swasth Yojana' under which Adani provides necessary health care support to senior citizens who are from underprivileged families. He inquired about the scheme and immediately completed all the necessary procedures to avail benefit of the scheme.

After completion of necessary formalities, He got his cataract surgery done for both the eyes on pro bono basis. He and his family were overjoyed that the surgery happened on time, saving his eyes from complete loss of vision. From here, Sulemanbhai stayed in constant touch with Adani Foundation team as a family.

He was also counselled about Vrudh Pension Yojana scheme of government by concerned Adani Foundation employee under which seniors above the age of 60 receives Rs. 750/- monthly in the form of pension. Adani Foundation has a dedicated group of employees working for rural senior citizens providing liasoning support to avail benefit of schemes to support the community. Under 'Vrudh Pension Scheme' both Sulemanbhai and his wife received Rs.1500/- every month. It might not be suffice but for them, it's like a shade of tree from scorching heat.

On receiving amount for the first time, they contacted AF and expressed gratitude. He also encouraged his daughter Ruksana to spread awareness about these schemes to fellow villagers so that they can also get benefit from these schemes.



Suleman Mamad  
Kevar  
Village : Pragpar



## A naturalistic learner, shines bright in the class!

We have been fascinated to see how the holistic development took place in Seda Malshree Karaman, studying in class 5. An introverted student transforming into a dynamic learner is not only surprising to us but also to her family members. Mr. Mahendrasingh Solanki, School Principal of Zarpara Shala no. 3 says "I would like to congratulate Utthan team and Utthan Sahayk named Rajendra Chauhan for his commendable work in empowering progressive students and bringing them in line with average and above average performance level."

Malshree's story of transformation began during the pandemic period when schools were shut, and education was made available for the students at their doorstep under the title 'Sheri shikshan' provided by the Government of Gujarat. Seda Malshree Karaman was in class 4 in 2020. However, she is finding difficulties with the minimum level of learning.

During the home visit, Rajendra(Utthan Sahayak) met Seda Malshree. Initially, dealing with an introverted child was challenging. But slowly, within 10 days, he could boost her confidence.

On mentoring her regularly, Sahayak identified that she was a 'Naturalistic learner'. From the very next day, he started teaching Malshree with multiple natural resources which are easily available at her residence lived in 'Wadi'(backyard). This was observed by her parents too. Slowly and steadily, Malshree took an interest in language and arithmetic. Gradually, Mr. Rajendra measured her learning outcomes by conducting a timely assessment. Her academic growth inspired other students too to give a lot of attention during classes. Today she is in class 5 where she can read, write, and do basic arithmetic calculations.



Name: Malshree Seda  
School: Zarpara Shala No. 3



Hanif Mohammad  
School: Deshalpar Group Shala

### **As Sunflower faces Sun, Progressive students always look forward to Sahayaks**

Hanif, a small child was abandoned by his parents. Such young boy might even don't know what happened to him and why his parents left him. Hanif might not ask these questions today as he is too young to absorb all of it but it did affect him mentally and emotionally. It was obvious to feel isolated and different from other fellow student.

On one side, he is dealing with this somber transformation in life and adapting to living life with his uncle and aunt, and on other side, he has this immense interest and curiosity towards knowledge but lacked direction in life and also in academics. Under project Utthan, the purpose is to identify and uplift progressive students and bring them at par with fellow students. To do that, it's the duty of Sahayak to know a student inside out and that's what happened to Hanif.

On regular interaction, Uthhan sahayak motivated Hanif and taught him to start reading and practice writing skills. With consistent efforts Sahayak managed to make Hanif regular in school and made sure he does his homework daily. Not just that, Sahayak shared inspiring stories and motivated him to participate in 'Bal Mela Program' in which Hanif with the support of Sahayak prepared a Wind Mill from the waste. The project was successfully exhibited receiving appreciation from the visitors at Mela.

It is said that 'Distraction heals Pain' and in Hanif's case, he has completely changed his focus from pain towards his passion for learning. Hanif is rejuvenated to learn in this new academic year holding Utthan Sahayak's hand.



Anju Chauhan  
Village : Zarpara

### ***Uplifting progressive students***

Little Anju studies in class 4th of Zarpara Primary School. She was in 2<sup>nd</sup> Class when the lockdown declared. Unlike urban schools, rural students do not get a chance to immediately start learning through online platforms. In such situation, Utthan Sahayak initiated online teaching and mentoring and tried to reach out to rural students who do not have access to mobile phones in their families.

Anju could not cope up with her education for 2 years and when she resumed school, she found out to be a progressive student due to her inability to read, write and count. School teachers noticed Anju's poor performance and handed over her case to Utthan Sahayak. It took few months, where one to one mentoring and teaching sessions were arranged for Anju and dedicated Utthan Sahayk made rigorous efforts to improve Anju's performance till examinations, preventing her from failing in class.

"Hard work and consistent efforts of Anju is appreciable. Yes, the start was tough but I was determined to bring Anju out of progressive students zone to average learner and we did it successfully." Says Bindya, Utthan Shayak

## Adani Foundation as 'Moonbeem in Valima's lightless life.'

Valima is a senior citizen with disability (blind with both eyes) residing at Gurjarvas of Kutch District. Living in extremely poor condition. Her story is heart wrenching. She has proved to be an epitome of strength. She is a strong woman and even stronger as a mother who is taking care of her divyang and mentally challenged daughter who is 30 years old as of 2021.

One could get goose bumps to witness how this old blind mother takes care of her divyang daughter. Valima's two sons got married and started new life leaving mother and sister to suffer and survive on their own. With no vision but only pain in her eyes, Valima has fulfilled all responsibilities but now she is old. Adani Foundation's encounter with Valima was a beginning of the end of her problems. Earlier when her husband was alive, he used to make arrangements for family's survival. But now, Valima being blind and living in remote area is unaware of any of the schemes which can ease her living. Moreover, to get support from any of the rural development scheme, one needs identity proof and documents. Kanta, her daughter was not even having her identity proof, Valima was unaware of her widow pension rights and the support provided to divyang by government.

Here comes the role of Adani Foundation, to support the most needy and vulnerable who is completely devoid of information and their rights. Under project swavlamban, Adani Foundation provides end to end support to senior Citizens, Divyang and Widows. Adani Foundation team assisted Valima to get necessary documents first. Starting from Ration card, Adhar Card, Voter Id, Disability card and Bank account was requested for her daughter and mother from respective departments. Post completion of all necessary compliances for documents, Valima started receiving 'Senior Citizen Pension', 'Widow Pension' and got free 'Bus Pass' for their ease of mobility.



Name: Valima L.  
Sibhi  
Gurjarvas, Munda





Narpant Singh Jadeja  
Village Hatadi, Ta. Mundra

## Overshadowing disability with his ability to make living.

Narpat singh resides in outskirts of Mundra. He lives a simple life. He, being Divyang, is unable to walk. Before few years, Adani Foundation provided him wheelchair for his ease of life. That's when he met Foundation team and stayed connected. His life was in routine before pandemic. He used to run flour mill and earn basic livelihood. At times, the mill does not work and creates problem. In those situations, Narpatbhai himself juggled with spare parts and repair it.

In 2021, His flour mill stopped working. He tried repeatedly but could not repair it by himself. Due to his less mobility, he was not able to move out and explore other options to repair it. With damaged machine, his income also stopped, and he got worried for his living. He contacted Adani Foundation again for the support. On inspecting his machine's condition, Adani Foundation decided that it does not require repairing, it requires total replacement.

Narpat Singh took a breath of relief as he was provided with new flour mill. 70% cost of flour mill was borne by Adani Foundation and 30% by Narpat Singh. Hearing about his new flour mill, villagers again started visiting Narpatsingh and his earning rose to 8000/- from 6000/- monthly.



Shakil Manjaliya  
Village : Luni, Ta. Mundra

### ***"From AVMA to APSEZ, Fishermen communities pride"***

"From fishing to studying, from helping to hold a pencil to helping to have a social position, from my first book to my first offer letter, Adani has played a key role in my life." Proudly states Shakil

Shakil, A first generation learner of a fisherman community has studied in Adani Vidya Mandir School. It is an initiative of Adani Foundation to establish a school to provide free education to underprivileged and economically challenged community children providing best in class education for their bright future.

Hailing from fisherman community whose income mostly depends on daily wages, it was impossible for his parents to bare the cost of his education. Learning about Adani Vidya Mandir school, they applied for his admission. They fulfill the criteria of a deserving family and shakil's journey of change began by studying in school. He got 78percentage in 10<sup>th</sup> standard, which motivated him to pursue engineering stream. He then, successfully completed Mechanical Engineering Diploma course and applied to APSEZ.

His intelligence and hard work surpassed his poor financial conditions. All the struggles he and family faced due to low income have come to an end. Shakil says "I used to dream in Adani Vidya Mandir that one day I will work and earn enough to change my family condition."

It's a fruit of his continuous sowing of hard work and dedication that he reaps employment in APSEZ. He got his first offer letter from Mr Rakshit Shah, EDM, APSEZ. Not just his family but even his teachers of Adani Vidya Mandir are proud of him today to see him grown so far and starting his career as first generation learner of his family who has managed to get livelihood in the form of job. Small steps taken for years will now lead to an socio-economic shift for all those fisher folk young boys and girls who have completed their education and will enter into a professional world with a dream to bring out community from a difficult living to an improved standard of living.



Ishaq  
Village : , Ta. Mundra

***"There is no greater disability in society, than the inability to see a person as more." – Robert M. hensel***

Ishaq is a young 29-year-old responsible husband and a sole bread winner of a family. He was 14, when he got hit by Polio. He managed to complete his schooling and got H.S.C cleared successfully. He also achieved computer diploma degree to cope up with the present work scenario. Hailing from a Fisherman community, he is a first-generation individual who dreams to get employment. He always dreamt of working with Adani but never applied as he thought he is not ready yet. Therefore, He decided to get work experience for couple of years and apply confidently.

On one occasion where Adani Foundation organized 'Divyang Rojgar Mela' where Ishaq applied in an interview and showcased his knowledge, skills and dedication towards work. *Looking at his zeal and agility towards work and his preparedness, he was offered a job as a weight-bridge operator Job in APSEZ.*

*Ishaq elated receiving an offer let his dream company and made his community extremely proud.* With open arms, Adani always welcomes Talent Divyang and Energetic Fisherman community to join hands for nation's growth with goodness.



Dipak Maheshwari  
Village :

### *Getting back on track with Sheri Shikshan !*

Dipak Maheshwari is a student of Muru Primary School. Losing his father at an early age has made him numb and inattentive in class. At first, he showed no interest in studies and slowly he started skipping lessons. His irregularity was concerning his school teachers where Utthan Sahayaks are contributing their mentorship and guidance to progressive student.

The root of his loss of interest in academics and difficulty to cope up with academics has started when his father was constantly keeping unwell and losing him has made Dipak vulnerable. He lost hope and was tired of making efforts to balance his emotions and studies. He chooses to remain at home.

On learning about Dipak's situation, Utthan Sahayak visited him to check on his mental and emotional condition. When Utthan Sahayak visited his place, Sahayak decided that it was not the right time to push Dipak to attend school, therefore he planned to teach Dipak under Sheri Shiksha teaching methodology (Study at home under the guidance of Sahayak).

Dipak found comfort and developed great understanding with Shayak and was able to grasp Foundation Learning Numeracy. Sometimes with written and other time by activities, Dipak used to study well. When he resumed his confidence and zeal back on track, Sahayak encouraged him to start his schooling again.

Utthan Sahayak keeps close contact with his family and still keeps a track on his academic performance.





Rasilaben Goyal

### *Right treatment at a right time !*

Rasilaben is a 28year old woman from Fechariya village, Kutch. She has 6 sisters and 1 brother. Her father died due to cancer. Family's financial condition was stressful because they have incurred lot of expense for father's treatment but couldn't save him. Rasila, being the eldest among all sibling took all responsibilities on her shoulders. Loosing husband and a father of 7 children, Rasila's mother suffered a huge shock. She could not come out from the trauma and started keeping unwell. Unfortunately, her mother died in just few months after the father's demise. Situation could not get more worse than this for the family. Rasila had her uncle who used to run a small tea shop, he used to help family a bit as per his own capacity.

In 2013, Rasila started facing some health issues. She used to complaint of trouble in her stomach and also was facing gynecological problems. On her visit to hospital, she came to know that she has ulcers in her intestine. Her world had turned upside down, her siblings were not prepared to hear this devastating news. She started her treatment with a hope but continued to manage household chores and responsibilities of her siblings. But, the cost of treatment was 3,000 to 4,000 monthly, which is too much for a family to manage on their own. In such critical situation, they were in dilemma as to how to manage the cost of treatment when they don't have sufficient funds with them.

One her visit to G. K General Hospital, Rasila got satisfactory treatment but some of the medicines prescribed were supposed to be bought from pharmacy. She was not having enough money to purchase medicine regularly, therefore she approached Adani Foundation expecting some relief to support her in completing her treatment and medicines. Her issues were immediately taken into consideration, her medicines were arranged and provide to her for free.

For the past 2 years, Rasila's medicine expenditure is taken care by Adani Foundation observing fair improvement in her condition.



Ankita Bhatt  
Beauty Therapist

*'Smile on my client's face is my final touchup'*

Ankita bhatt hails from Bhuj, kutch. She runs her own beauty parlor for the last 5 years now. Though her beauty treatment skills were good, she used to do selective basic treatment. Ankita believes, gone are the days, where we used to think this is a small service. Now, it's a booming industry where every year there is something new and advanced techniques comes up daily in beauty industry. Keeping up with industry is not an easy task.

Ankita's beauty skills were limited and stagnant and that's when she decided to take her profession seriously and master her beauty treatment skills and understanding through proper training. Also, the Covid years hit badly to small scale, self-entrepreneurs and service providers. She decided to utilize the no-rush time in developing new skills.

In Adani Skill Development Centre, online training program was a big hit in rural areas which enable women and girls to get trained just by sitting at home without Hustle. Post covid, all trainees were invited to complete their practical training at ASDC Bhuj Centre where Ankita cleared the program with flying colours and started earning better than before giving a new look to her parlour at home.

### ***From Failures, one only gets better for the future!***

"It was my mother's dream to see me working in Healthcare Industry. Even after ample efforts to get admission in GNM course to pursue dream, I didn't make it due to inadequate percentage. My confidence broke, thinking I will never get another chance to study further and will always remain a 12th pass.

I never knew any other way to fulfill my mother's dream until I learned about *GDA training course provided by Adani Skill Development Centre under DDUGKY scheme*. I decided to grab this moment to visit ASDC Centre. On my visit, I got amazed to see a hospital like setup which they call it as Practical Lab. I was well explained regarding the GDA training contents, systematic training methodology and as soon as I got to know that they are providing On the Job Training (OJT) with placement support, I got prompted to join immediately.

Unlike regular training centres, ASDC provides a lot more. *Regular guest sessions, activities and soft skills training helped us become industry ready*. Post completion of GDA course, it was the time to appear for interviews. I was confident not just because of the knowledge I gained but also because of my successful OJT period organized by ASDC. After undergoing GDA training, I became certified GDA, my lost confidence is back and I am determined to update and advance my health care skills to climb more ladders in future.

After 6 months of rigorous GDA training, OJT and placement support by ASDC, *my career kick started as Patient Care Assistant at Dr. Rashmi Shah Hospital, Kutch. I will never forget the moment when I hugged my mother and informed about my selection*.

ASDC has paved way for my successful career journey!" shares Hetal .



**Hetal Purabiya**  
General Duty  
Assistant



Hiral S. Darad  
Beauty Therapist

### *From a next-door beautician to a professional one*

"I am a 12th pass self-employed Beautician; I do beauty treatments at home. With no professional degree or certification, I never got a chance to take this work to the next level. Also, self-learning was not enough, I was looking for a training program, where I could get a mentor and practical training. In my locality, there was no option to learn beautician course and its difficult to learn from random videos. I am glad that I got recommendation from my friend about Adani Skill Development Centre, where Beauty Therapist training is provided in the form of certified course along with the planned theory and practical sessions. I got so happy thinking I will finally get to attend a professional training program which will add value to my basic skills and bring me close to my dream to become expert beautician.

It gave me lot of joy to see so many young girls and women coming to ASDC Centre while undergoing training at Centre, even housewives, working women joins courses as per their interest. In many of the cases, they have developed interest and became self-employed. One of the main reasons I love ASDC Centre is to see fellow friends/batch mates and develop a network of people with similar interests in our small town. Making friends and networking with trainees is very empowering. The reason is, we got to know stories of many women and how they are utilizing skills post completion of training course.

As I was also running beauty parlour before joining course, my aim was clear that I need to master beauty treatment skills and become professional. Not just me, but even my clients have witnessed a huge transformation in my beauty treatment methodologies post training. My training journey has been a most memorable one. Post completion of the course, my income increased significantly and the number of my clients rose to a level that most days I remain busy. "



### ***Knowledge gives Degree, Skill gives employment.***

"I am a resident of Naliya village, Kutch district. I completed my Graduation and also did ITI. Coming from a village location, I couldn't find enough of job opportunities with me. Most youth of our locality, move out of hometown in search of job but this is not an option for many of us because of the responsibilities.

Khushal adds, "as much as I loved attending GDA sessions, I also thoroughly enjoyed my On-the-Job experience because we got to experience working directly under expert nurses and learnt that patient care which is the most critical and crucial element in any hospital. It was an overwhelming experience on initial days of OJT when we had to deal with lot of patients, managing time and serving patients with right kind of care in case-to-case basis. *No wonder why Health Care Providers are called as 'Warriors'. OJT was no less than a Healthcare training camp where me and my fellow batch mates were prepared to become Warriors to provide best of care to the patients.*"

The major impact of GDA course run by ASDC Bhuj is that many young graduates who are from Bhuj and are looking for employment are preferring to come to the Centre because they don't have to move out of Bhuj to get skilled.

*ASDC has provided a platform to get skilled under various courses and supports in placement which helps local residents to stay in their hometown and generate livelihood."*



**Khushal Pargadu**  
**General Duty Assistant**

## Awards



Adani Foundation received CII National Award for Excellent in Water Management 2021 for 'Water Conservation Project' on 7<sup>th</sup> January 2022 under National Competition for Water Management 2021. The Award ceremony was announced by Union Jal Shakti Minister in virtual presence of dignitaries from CII and nominees from other industries.



Adani Foundation awarded for CSR in water conservation at 3<sup>rd</sup> National Water Awards from the Ministry of Jal Shakti in the category of Best Industry for CSR activities, on 29 March 2022.

The award ceremony was conducted in the presence of President Shri Ramnath Kovind, Minister of State for Jal Shakti and Food Processing Industries, Shri Gajendra Singh Shekhawat, and Minister of State for Jal Shakti and Tribal Affairs, Shri Bishwesar Tudu.

## Beneficiaries Data F.Y. 2021-2022

Sr.No	Program	Direct	Indirect	Remarks
1	Education	6585	26340	Utthan , Mundra & Nakhtrana
2	AVMB-Vidhyamandir	473	2365	AVMB Students
3	Community Health-Mundra	26129	193661	Rural clinic, MHCU,Health camp, AHMUPL
4	Community Health-Bhuj	16261	65044	Medical Support , Mahiti setu, Patients Care & Co-ordination
5	AHMUPL	31291		OPD and IPD Patients
6	SLD-Women	780	3900	SHG Group & Individual Incoem Generation
7	SLD-Agri & Animal Husbandry	7398	29731	Drip,Fooder,Home bio gas,Farmers training
8	SLD -Fisherfolk	6114	5490	Education, Mangrove, Water and Livelihood
9	CRC-Gov Schemes	667	3272	Government Schmes
10	CID	138174	189617	Fishermen Amenities & Shelter & Other Amenties
11	Nakhtrana	1428	5712	Utthan, Governemnt schems
12	Tuna	6601		Fodder,Health , Pond deepning
13	Bitra	2150		CID & Pond deepning
14	Lakhpata	2455		women training and palnttaion
15	ASDC	1374	6870	soft skill and DL .GDA & Online Training
	Total	247880	657166	

## Summary - Budget Utilization F.Y. 2021-2022

Rs. In lacs

Sr No	Particulars	Budget 2021-22	Utilization(LE) 2021-22	% of utilization
A.	General Management and Administration	76.12	79.27	104%
B.	Education	172.05	110.38	64%
B1	Utthan-Education -Mundra & Anjar	149.51	99.88	67%
B2	Utthan : Fisherfolk	22.54	10.50	47%
C.	Community Health	330.38	323.51	98%
D.	Sustainable Livelihood Development	426.28	453.84	106%
E.	Community Infrastructure Development	141.35	130.71	92%
F.	EDM Recommended Projects	100.00	82.01	82%
G.	COVID 19 Support	25.00	22.16	89%
	Total AF CSR Budget :	1,271.18	1,201.89	95%
[I]	Adani Vidya Mandir-Bhadreshwar	189.84	117.86	62%
[II]	Project Udaan-Mundra	167.42	66.85	40%
	TOTAL Budget with AVMB & UDAAN :	1,628.45	1386.60	85%
	Project "FISH"		106.00	
	GRAND TOTAL :	1,628.45	1,492.60	92%



# Media coverage

**અદાણી ફાઉન્ડેશન દ્વારા નાના કપાયા ખાતે ગાટ જંગલ ઉભું કરાશે**

ગુજરાતના નાના કપાયા ખાતે ગાટ જંગલ ઉભું કરાશે. અદાણી ફાઉન્ડેશન દ્વારા નાના કપાયા ખાતે ગાટ જંગલ ઉભું કરાશે. અદાણી ફાઉન્ડેશન દ્વારા નાના કપાયા ખાતે ગાટ જંગલ ઉભું કરાશે.

**અદાણી ફાઉન્ડેશન અને કચ્છ યુનિ. વચ્ચે સ્થાપિત થતી માટે એમતોલુ**

અદાણી ફાઉન્ડેશન અને કચ્છ યુનિ. વચ્ચે સ્થાપિત થતી માટે એમતોલુ. અદાણી ફાઉન્ડેશન અને કચ્છ યુનિ. વચ્ચે સ્થાપિત થતી માટે એમતોલુ.

**અદાણી ફાઉન્ડેશન અને તાલુકા હેલ્થ ઓફીસના સંયુક્ત ઉપક્રમે “દી.બી.હારેગા દેશ જીતગા” અંતર્ગત કાર્યક્રમ યોજાયો**

અદાણી ફાઉન્ડેશન અને તાલુકા હેલ્થ ઓફીસના સંયુક્ત ઉપક્રમે “દી.બી.હારેગા દેશ જીતગા” અંતર્ગત કાર્યક્રમ યોજાયો. અદાણી ફાઉન્ડેશન અને તાલુકા હેલ્થ ઓફીસના સંયુક્ત ઉપક્રમે “દી.બી.હારેગા દેશ જીતગા” અંતર્ગત કાર્યક્રમ યોજાયો.

**કોરોનાકાળમાં મહિલાઓએ મેળવી રોજગારી**

કોરોનાકાળમાં મહિલાઓએ મેળવી રોજગારી. કોરોનાકાળમાં મહિલાઓએ મેળવી રોજગારી. કોરોનાકાળમાં મહિલાઓએ મેળવી રોજગારી.

**માછીમારનો દીકરો મિકેનિકલ એન્જિનીયર બન્યો, મોટી કંપનીમાં નોકરી પણ મળી**

માછીમારનો દીકરો મિકેનિકલ એન્જિનીયર બન્યો, મોટી કંપનીમાં નોકરી પણ મળી. માછીમારનો દીકરો મિકેનિકલ એન્જિનીયર બન્યો, મોટી કંપનીમાં નોકરી પણ મળી.

**અદાણી ફાઉન્ડેશનનો મંત્ર : સેવાનું ઉત્તરદાયિત્વ**

અદાણી ફાઉન્ડેશનનો મંત્ર : સેવાનું ઉત્તરદાયિત્વ. અદાણી ફાઉન્ડેશનનો મંત્ર : સેવાનું ઉત્તરદાયિત્વ. અદાણી ફાઉન્ડેશનનો મંત્ર : સેવાનું ઉત્તરદાયિત્વ.

**“શાળા બંધ પણ શિક્ષણ નહિ”**

“શાળા બંધ પણ શિક્ષણ નહિ”. “શાળા બંધ પણ શિક્ષણ નહિ”. “શાળા બંધ પણ શિક્ષણ નહિ”.

**મુંદરામાં કોમ્યુનિટી રિસોર્સ સેન્ટરનો કરાયેલો પ્રારંભ**

મુંદરામાં કોમ્યુનિટી રિસોર્સ સેન્ટરનો કરાયેલો પ્રારંભ. મુંદરામાં કોમ્યુનિટી રિસોર્સ સેન્ટરનો કરાયેલો પ્રારંભ. મુંદરામાં કોમ્યુનિટી રિસોર્સ સેન્ટરનો કરાયેલો પ્રારંભ.

**મુંદરાની અદાણી હોસ્પિટલમાં કોરોના પોઝિટીવ દર્દીઓની કરાતી સેવા-ચાકરી**

મુંદરાની અદાણી હોસ્પિટલમાં કોરોના પોઝિટીવ દર્દીઓની કરાતી સેવા-ચાકરી. મુંદરાની અદાણી હોસ્પિટલમાં કોરોના પોઝિટીવ દર્દીઓની કરાતી સેવા-ચાકરી.



## Media coverage



# Thank You

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