

## Bhagwat Swaroop Sharma

**From:** Bhagwat Swaroop Sharma  
**Sent:** Wednesday, May 31, 2023 8:14 PM  
**To:** iro.gandhingr-mefcc@gov.in; ecompliance-guj@gov.in  
**Cc:** seiaaguj@yahoo.com; ec-rdw.cpcb@gov.in; ro-gpcb-kute@gujarat.gov.in; ms-gpcb@gujarat.gov.in; Snehal Jariwala  
**Subject:** Half Yearly EC Compliance Report CETP Submission for Period Oct 22 to March.'23  
**Attachments:** EC Compliance Report\_CETP-2010\_Oct'22 to Mar'23.pdf



Ports and  
Logistics

APSEZL/EnvCell/2023-24/011

Date: 25.05.202

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; Mund 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, 20 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 th copy of the compliance report for the Environmental Clearance for the period of October 2022 to March 2023 being submitted through soft copy (e-mail communication).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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

**Bhagwat Swaroop Sharma**

**Head - Environment**

**Mundra & Tuna Port**

**Encl: As above**

**Copy to:**

- 1) The Zonal Officer, Regional Office, CPCB – Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 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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Thanks & Regards,

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

Adani Ports & Special Economic Zone Ltd.

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Ports and  
Logistics

APSEZL/EnvCell/2023-24/011

Date: 25.05.2023

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.

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- 2) The Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382010.
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- 4) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201.

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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-2022 to March-2023



	<b>MPSEZ Utilities Ltd., Mundra. (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

## Index

Sr. No.	Particulars	Page Nos.
1	<b>EC Compliance Report</b>	01-33
2	<b>Annexures</b>	
	<b>Annexure – 1</b> Half Yearly Environment Monitoring Summary Report	34-56
	<b>Annexure – 2</b> GPCB Acknowledgement Copy for Submission of Sampling and Analysis Reports of Soil & Ground water Quality	57-58
	<b>Annexure – 3</b> Submission of Sampling and Analysis Reports of Member Units submitted to GPCB	59-59
	<b>Annexure – 4</b> Details of Water Consumption and Wastewater received from Member Units & Quantity of Treated Water	60-60
	<b>Annexure – 5</b> GPCB Sample Analysis Report	61-62
	<b>Annexure – 6</b> Copy of CEQMS Migration Approval by CPCB & GPCB Connectivity Intimation Letter	63-68
	<b>Annexure – 7</b> Logbook record copy	69-69
	<b>Annexure – 8</b> Manifest copy of CETP Sludge disposal	70-72
	<b>Annexure – 9</b> GPCB Acknowledge of Env. Audit Report Submission	73-73
	<b>Annexure – 10</b> Monthly details of member units	74-110
	<b>Annexure – 11</b> Periodical Medical Examination Report	111-112
	<b>Annexure – 12</b> Green Belt development details done by APSEZ	113-113
	<b>Annexure – 13</b> CETP Maintenance work report	114-123
	<b>Annexure – 14</b> Budget spent for environmental protection expenditure	124-124
	<b>Annexure – 15</b> Adani Foundation – CSR Report for the FY 2022-23	125-211

# **Compliance Report of Environment Clearance**

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</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'22</b> <b>To : Mar'23</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 31-03-2023
<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>Inhouse analysis reports are being submitted to GPCB every month and acknowledgement of last report (Mar'23) submitted to GPCB is attached as <b>Annexure - 3</b>.</p>
3	Industries having high pollution potential like dyes and dye	<p>Complied.</p> <p>Presently Textile, Chemical, Warehouse, Oil, Steel, CFS, Electronic</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	intermediates, bulk drugs and intermediates, pesticides etc. shall not be allowed in MPSEZL in such proportion that effluent received at the CETP always meets with the inlet norms.	<p>and food products category industries are available in SEZ area.</p> <p>At present there is no such industry within APSEZ as mentioned in the condition.</p> <p>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.</p>
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.	<p>Complied.</p> <p>The average freshwater requirement for CETP is 3.90 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.</p> <p>Details of water consumption are given as <b>Annexure - 4</b>.</p>
5	The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).	<p>Complied.</p> <p>The average quantity of effluent &amp; sewage received in CETP from member units as well as sewage from Mundra village was 914.24 KL/Day and treated water discharge from the CETP 785.11 KL/Day respectively during the compliance period. 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>.</p>
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	<p>Complied.</p> <p>The average quantity of effluent &amp; sewage received in CETP from member units as well as sewage from Mundra village was 914.24 KL/Day and average treated water discharge from the CETP 785.11 KL/Day during Oct'22 to Mar'23.</p> <p>There are only two member industries of CETP as on date for industrial effluent and four members units for domestic sewage</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2023																																																																						
	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 by the MUPL:	including Mundra village as well as APSEZ common facility. Entire wastewater is being transferred though underground pipeline only. On avg. 785.11 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 and NH3-N. Analysis reports are being submitted to GPCB every month and analysis reports is attached as <b>Annexure – 3</b> .  Monitoring and analysis of CETP inlet wastewater is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi and the same is being submitted to GPCB every month. GPCB acknowledgement copy of the same is attached as <b>Annexure – 2</b> . Summary of the same for duration from Oct'22 to Mar'23 is mentioned below.																																																																						
	<table><tr><th>Parameter</th><th>CETP inlet norm of MUPL</th></tr><tr><td>pH</td><td>6.5 To 8.5</td></tr><tr><td>Suspended Solids</td><td>800 mg/l</td></tr><tr><td>BOD (3 Days at 27 °C)</td><td>1000 mg/l</td></tr><tr><td>COD</td><td>2000 mg/l</td></tr><tr><td>TDS</td><td>2100 mg/l</td></tr><tr><td>Oil &amp; Grease</td><td>20 mg/l</td></tr><tr><td>Phenolic Compounds</td><td>1 mg/l</td></tr><tr><td>Cyanides</td><td>0.2 mg/l</td></tr><tr><td>Fluorides</td><td>2 mg/l</td></tr><tr><td>Sulphides</td><td>2 mg/l</td></tr><tr><td>Ammonical Nitrogen</td><td>50 mg/l</td></tr><tr><td>Copper</td><td>3 mg/l</td></tr><tr><td>Nickel</td><td>3 mg/l</td></tr></table>	Parameter	CETP inlet norm of MUPL	pH	6.5 To 8.5	Suspended Solids	800 mg/l	BOD (3 Days at 27 °C)	1000 mg/l	COD	2000 mg/l	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>CETP Inlet:</b> <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>7.21</td><td>7.84</td><td>7.56</td><td>6.5 – 8.5</td></tr><tr><td>Total Suspended Solids</td><td>mg/L</td><td>72</td><td>208</td><td>114</td><td>800</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>11.9</td><td>31.3</td><td>20.42</td><td>50</td></tr><tr><td>BOD (3 days at 27 °C)</td><td>mg/L</td><td>64</td><td>180</td><td>118.50</td><td>1000</td></tr><tr><td>COD</td><td>mg/L</td><td>245.7</td><td>750.4</td><td>469.32</td><td>2000</td></tr><tr><td>Total Dissolved Solids</td><td>mg/L</td><td>1746</td><td>1888</td><td>1822</td><td>2100</td></tr></table> <p>\$ 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</p>	TEST PARAMETERS	UNIT	Min	Max	Average	Perm. Limit\$	pH @ 27 ° C	--	7.21	7.84	7.56	6.5 – 8.5	Total Suspended Solids	mg/L	72	208	114	800	Ammonical Nitrogen	mg/L	11.9	31.3	20.42	50	BOD (3 days at 27 °C)	mg/L	64	180	118.50	1000	COD	mg/L	245.7	750.4	469.32	2000	Total Dissolved Solids	mg/L	1746	1888	1822	2100
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<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023												
		CPCB server and details of the same was submitted to the MoEF&CC along with half yearly compliance report April– 2016 to Sep – 2016.												
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
Unit	ETP Capacity	Treatment Methodology	Average Water Discharge (Booking Quantity)											
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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	<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 914.24 KL/Day through pipeline during the compliance period.</p> <p>Average generation of domestic wastewater is ranging from 0.7 to 1.0 KL per day at the CETP and the same is being treated in the CETP itself along with other effluent.</p>												

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
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	generated at the CETP will also be treated in the CETP.																																											
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment 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>Complied.</p> <p>MUL has established the adequate primary, secondary and 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. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'22 to Mar'23 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>7.20</td><td>7.73</td><td>7.49</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>10</td><td>42</td><td>31</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>1740</td><td>1868</td><td>1805</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>90.40</td><td>186.60</td><td>145.52</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>25.00</td><td>51.00</td><td>37.33</td><td>100</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>2.30</td><td>16.40</td><td>8.05</td><td>50</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. Approx. INR 15.32 Lakh is spent for all environmental monitoring activities during the FY 2022-23 for overall APSEZ.</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 copy of 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	--	7.20	7.73	7.49	6.0 – 9.0	SS	mg/L	10	42	31	100	TDS	mg/L	1740	1868	1805	2100	COD	mg/L	90.40	186.60	145.52	250	BOD	mg/L	25.00	51.00	37.33	100	Ammonical Nitrogen as NH3-N	mg/L	2.30	16.40	8.05	50
CETP Outlet: Parameter	Unit	Min	Max	Average	Perm. Limit <sup>§</sup>																																							
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TDS	mg/L	1740	1868	1805	2100																																							
COD	mg/L	90.40	186.60	145.52	250																																							
BOD	mg/L	25.00	51.00	37.33	100																																							
Ammonical Nitrogen as NH3-N	mg/L	2.30	16.40	8.05	50																																							
11	The treated effluent from the CETP conforming to the GPCB norms shall be	<p>Complied.</p> <p>Average 785.11 KL/Day treated water was used for plantation/gardening within the premises of CETP and other areas</p>																																										



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	utilized for plantation / gardening within the SEZ 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>of Adani Ports and Special Economic Zone Limited during the compliance period.</p> <p>Available horticulture / gardening area within CETP as well SEZ premises for utilization of treated water is 146.84 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 summary.</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	<p>Complied.</p> <p>An agreement is made with the respective units to provide storage facility for retention.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	(cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	At present the industrial effluent from two units is received for treatment at the CETP. Both the units have storage tanks of 100 & 50 KL, which is sufficient to store the effluent for at 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	<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>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member units.	
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 be maintained and submitted regularly.	<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 discharge are attached as <b>Annexure – 4</b>.</p>
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	<p>Complied.</p> <p>MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH,</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	outlet to ensure that effluent being discharge is always neutral.	<p>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> <p>During this compliance period MUL-CETP has Installed a new CEQMS (Make M/s. HORIBA India Pvt. Ltd.) with monitoring parameters i.e. pH, TSS, BOD, COD &amp; NH<sub>3</sub>-N as well as migrated the Continuous Effluent Monitoring System (CEQMS) server from M/s. Logic Ladder Technologies Pvt. Ltd. to M/s. SAKSHAM (Unitech technocrats Pvt Ltd.) for data transmission with CPCB &amp; GPCB server. On dated 06/12/2022 send mail to the Central Pollution Control Board (IT Division) for migration approval as well as intimated to GPCB for connectivity vide letter dated 28.08.2023. The copy of intimation letter for CEQMS migration is attached <b>Annexure - 6.</b></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 submitted to along with half yearly compliance report Oct – 2021 to Mar – 2022.</p>
22	The MUPL shall not keep 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.	<p>Complied.</p> <p>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.</p>
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	<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>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	CETP or process disturbances and any untreated effluent shall never be discharged into the environment.	
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 Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation / gardening, quantity	<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. 914.24 KLD effluent and sewage from member industries during compliance period.</p> <p>Total 24.99 MT sludge disposed through co-processing at Ambuja Cement Ltd. Kodinar during the compliance period Oct'22 to Mar'23. 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.,</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	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.	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.
26	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>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	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>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. Unistar Environment and Research Labs Pvt. Ltd., Vapi.</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 Sample analysis report is 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	Complied.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	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>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. Unistar Environment and Research Labs Pvt. Ltd., Vapi. The reports of the same is also being submitted to the GPCB every month and latest GPCB acknowledgement copy is attached as <b>Annexure - 2</b>.</p> <p>Monitoring report for the period from Oct'22 to Mar'23 is attached as <b>Annexure - 1</b>. Approx. INR 15.32 Lakh is spent for all environmental monitoring activities during the FY 2022-23 for overall APSEZ.</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 17.02.2023 and the GPCB acknowledgement copy is attached as <b>Annexure - 9</b>.</p>
30	The MUPL shall maintain accurate records of their member units in respect of quantity of each product manufactured, quantity of water consumption, quality of trade effluent, quantity of effluent generated, booked	<p>Complied.</p> <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>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023																								
	and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.																									
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 and reviewed in consultation with the GPCB.	<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. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'22 to Mar'23 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>62.34</td><td>89.61</td><td>79.12</td><td>100</td></tr><tr><td>PM<sub>2.5</sub></td><td>µg/m<sup>3</sup></td><td>23.28</td><td>45.66</td><td>33.63</td><td>60</td></tr><tr><td>SO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>12.35</td><td>32.57</td><td>22.15</td><td>80</td></tr></table>	Parameter	Unit	Min	Max	Average	Perm. Limit <sup>\$</sup>	PM <sub>10</sub>	µg/m <sup>3</sup>	62.34	89.61	79.12	100	PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.28	45.66	33.63	60	SO <sub>2</sub>	µg/m <sup>3</sup>	12.35	32.57	22.15	80
Parameter	Unit	Min	Max	Average	Perm. Limit <sup>\$</sup>																					
PM <sub>10</sub>	µg/m <sup>3</sup>	62.34	89.61	79.12	100																					
PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.28	45.66	33.63	60																					
SO <sub>2</sub>	µg/m <sup>3</sup>	12.35	32.57	22.15	80																					



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023						
		NO <sub>2</sub>	µg/m <sup>3</sup>	18.37	41.48	29.54	80	<sup>5</sup> as per NAAQ standards, 2009
		Please refer <b>Annexure – 1</b> for detailed analysis reports. Approx. INR 15.32 Lakh is spent for all environmental monitoring activities during the FY 2022-23 for overall APSEZ.						
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.	Complied.  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&A was submitted during the half yearly EC Compliance report Apr 21 to Sept 21.  All the hazardous waste generated from premises is being disposed as per Hazardous & Other Waste Rules – 2016.  Please refer condition no. 25 for HW disposal details.						
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.	Complied.  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.						
36	CETP waste shall be disposed at authorized common TSDF facility. The company shall necessary permission of the TSDF operator	Complied.  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.						

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	for disposal of CETP sludge.	<p>CETP is designed having 2.5 MLD capacities, against that at present MUL is receiving average 914.24 KLD effluents / sewage from member industries and Mundra village.</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 submitted to along with half yearly compliance report Oct – 2021 to Mar – 2022.</p>
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke	<p>Complied</p> <p>There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical dosing.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.	
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 is co-developer 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 CETP. Details of periodical medical examination report of the employees working in MUL – CETP 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 CETP 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 CETP operations.	<p>Complied.</p> <p>Regularly toolbox talk is being conducted at CETP for safety and health aspects of chemicals handling and CETP 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	<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 – CETP are attached as <b>Annexure – 11</b>.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023																		
	undertaken as per the Factory Act & Rules.	Pre-employment and periodical medical examination is being carried out as per defined HR policy.																		
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Not Applicable  No hazardous chemicals are transported during the compliance period.																		
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 conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied.  Noise level monitoring is being carried out on monthly basis by NABL and MoEF & CC accredited agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration from Oct'22 to Mar'23 is mentioned below.  <b>Monitoring Locations &amp; Frequency: 02 (Once in a month - 24 Hourly)</b> <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>58.3</td><td>69.5</td><td>64.29</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>55.3</td><td>63.9</td><td>58.98</td><td>70</td></tr></table> <p style="text-align: right;">* 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 15.32 Lakh is spent for all environmental monitoring activities during the FY 2022-23 for overall APSEZ.</p>	Parameter	Unit	Leq Min	Leq Max	Leq Average	Leq Perm. Limit*	Day Time	dB(A)	58.3	69.5	64.29	75	Night Time	dB(A)	55.3	63.9	58.98	70
Parameter	Unit	Leq Min	Leq Max	Leq Average	Leq Perm. Limit*															
Day Time	dB(A)	58.3	69.5	64.29	75															
Night Time	dB(A)	55.3	63.9	58.98	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.	Complied.  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 885 trees per hectare within CETP & WTP premises. Total 9963 trees are planted within CETP & WTP premises. So, far APSEZ has developed 457.99 ha. area as greenbelt with plantation 9.06 Lacs saplings within the APSEZ area.  Details of the green belt development activity done by APSEZ Mundra are attached as <b>Annexure – 12</b> .																		

#### B. General Conditions

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
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	Point noted and agreed.

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Sr. No.	Conditions	Compliance Status as on 31-03-2023
	norms at its outlet; the individual units shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.	<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>
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'22 to Mar'23.</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	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2023
	storage areas and chemical handling areas to minimize soil contamination.	showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.
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 minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.	<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 MUL. Details of all the maintenance work done during compliance period of Oct'22 to Mar'23 are attached as <b>Annexure – 13</b>.</p> <p>No floor washing activity was carried out during the compliance period.</p>
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.	<p>Point noted.</p> <p>Effluent is being transferred to CETP by dedicated pipeline. No accidental spillage has occurred during this compliance period.</p>
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.	<p>Complied.</p> <p>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.</p>
60	The MUPL shall intimate the GPCB about occurrence of any accident, act or	<p>Complied.</p> <p>No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2023
	event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.	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 Executive of the company.	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 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	Complied.  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.  Budget for environmental management measures (including horticulture) for the FY 2022-23 is to the tune of INR 1448.06 lakh. Out of which, Approx. INR 1366.28 lakh are spent during the year FY 2022-23. Detailed breakup of the expenditures for the past 3 years is attached as <b>Annexure - 14</b> .
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic	Complied.  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.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2023				
	environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<div><div> Education</div><div> Community Health</div><div> Rural Infrastructure</div><div> Sustainability Livelihood</div></div> <p>Brief information about activities in the main four persuasions is mentioned below. Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Community Health</td><td><ul style="list-style-type: none"><li>Mobile Heath Care Units and Rural Clinics</li><li>09 Rural Clinics</li><li>06 villages of Mundra, 02 villages of Anjar &amp; 01 village Mandvi block has benefited by rural clinic service.</li><li>Total Patients Benefitted FY 22-23:-25088 (direct &amp; indirect).</li><li>5 financially challenged patients has been supported with Dialysis treatment at 97 Times which added day in their Life.</li></ul><p><b>Health camp:</b></p><ul style="list-style-type: none"><li>Specialty camps, Eye checkup camps, Blood donation camp, Anti-tobacco awareness camp, TB screening, and other are conducted in core villages as well as in labour colonies.</li><li>Specialty health (Gynec , Pediatric eye specialty health camp) :- 1527 Patients Benefited.</li><li>General health camp :- 3379 Patients benefited</li><li>Women's Health: Provided health services to over 1150 women through 102 + Menstrual Hygiene workshops.</li><li>Dialysis Support: During this year, 4 patients were supported for regular dialysis (twice a week) with partial support</li><li>Total 590800 CC quantity of Blood had been donated by 1710 Employees.</li><li>Medical Supports: 2460 beneficiary in 63 village.</li><li>TB screening &amp; Awareness session: benefited 1795.</li><li>25 villages and 07 fishermen settlements covered, with 90 types of general and lifesaving medicines through Mobile healthcare unit</li><li>1491 –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 4906 patients of Mundra Taluka.</li><li>Cattle Health Camp: Adani Foundation and Animal Husbandry department Veterinary Jointly organizing cattle health Awareness and vaccination programs in 24 Villages of our periphery villages. Total 17299 cattle of 19 Villages had benefitted with different kind of medicines and vaccines.</li><li>Lumpy Disease Vaccination Drive: Total 40 000 cattle were covered through therapeutic and ayurvedic treatment and Nutritive Cattle feed Support with association District Animal Husbandry department through vaccination and awareness drive.</li></ul></td></tr></table>	Area	Activity	Community Health	<ul style="list-style-type: none"><li>Mobile Heath Care Units and Rural Clinics</li><li>09 Rural Clinics</li><li>06 villages of Mundra, 02 villages of Anjar &amp; 01 village Mandvi block has benefited by rural clinic service.</li><li>Total Patients Benefitted FY 22-23:-25088 (direct &amp; indirect).</li><li>5 financially challenged patients has been supported with Dialysis treatment at 97 Times which added day in their Life.</li></ul> <p><b>Health camp:</b></p> <ul style="list-style-type: none"><li>Specialty camps, Eye checkup camps, Blood donation camp, Anti-tobacco awareness camp, TB screening, and other are conducted in core villages as well as in labour colonies.</li><li>Specialty health (Gynec , Pediatric eye specialty health camp) :- 1527 Patients Benefited.</li><li>General health camp :- 3379 Patients benefited</li><li>Women's Health: Provided health services to over 1150 women through 102 + Menstrual Hygiene workshops.</li><li>Dialysis Support: During this year, 4 patients were supported for regular dialysis (twice a week) with partial support</li><li>Total 590800 CC quantity of Blood had been donated by 1710 Employees.</li><li>Medical Supports: 2460 beneficiary in 63 village.</li><li>TB screening &amp; Awareness session: benefited 1795.</li><li>25 villages and 07 fishermen settlements covered, with 90 types of general and lifesaving medicines through Mobile healthcare unit</li><li>1491 –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 4906 patients of Mundra Taluka.</li><li>Cattle Health Camp: Adani Foundation and Animal Husbandry department Veterinary Jointly organizing cattle health Awareness and vaccination programs in 24 Villages of our periphery villages. 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Sr. No.	Conditions	Compliance Status as on 31-03-2023
	Sustainable Livelihood – Fisher folk, Agriculture & Women	<ul style="list-style-type: none"> <li>Government scheme Awareness session was held in association with Fisheries department Bhuj to facilitate pagadiya fishermen by providing fishing kits to seven Fishermen. The coordination was made by Adani Foundation to process application.</li> <li>To promote Natural farming Adani Foundation has originated cow-based farming initiative with interconnected techniques which can increase farmer yield.</li> <li>Adani foundation and Agri Department jointly organized district level workshop on Natural Farming Practice with Gram Seva.</li> <li>Natural farming- 1392 farmers benefitted by 20 nos of training from which 60 farmers chemical usage is reduced to half extent in 500 Acres approximately.</li> <li>100 nos. of Facilitation of Home Biogas-under Gobardhan Yojna.</li> <li>Benefited 837 people linkages with Govt. cow based Nurturing Scheme.</li> <li>Supported 1500 farmers for barrel &amp; wormi compost.</li> <li>19 nos. of Market Linkage for supporting to Green carnival at Samudra Township &amp; Shantivan colony 17 472 Kg Vegetable with Rs. 4.36 Lacs.</li> <li>257 Farmers have started to preparing Jiva Mrut &amp; Gaukrupa Amrutam Bio-fertilizer and using in agricrop. Series of Training is arranged by ATMA and Adani Foundation.</li> <li>Adani Foundation has also provided 7.31 lacs kg Dry Fodder and 23.59 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. 200.89 Lacs during FY 2022-23.</li> <li>Adani Foundation provides Good Quality dry and green fodder to 29 Villages. Project is covering total 14116 Cattels / 3008 farmers and hence enhancing cattle productivity. Dry Fodder 731230 Kg Green –2359204 Kg.</li> <li><b>Individual Fodder Cultivation:</b> Farmers were Aware, Convince and trained to cultivate super Napier Grass as on farm projects to reduce their Fodder Dependency and expense. With that effort 192 farmers have Adopted and Cultivated Super <b>NAPIER Grass</b> in 190-acre area and produce 3800 Fodder Tons Yield annually, lead to save Approx Rs 52 Lacs of farmers.</li> <li><b>Grass Land development:</b> AF converted 205 acres of denuded village common pastureland gauchar into fertile and productive grassland in Zarpara and siracha village to transform into Fodder Sustain village.</li> <li><b>Self Help Groups (SHGs):</b> Established 82 self-help groups in various rural and urban areas to provide financial and social support to women We provided training and capacity building workshops to members of these SHGs to help them develop income generating activities and improve their livelihoods Through this initiative, we have empowered over 850 women to become self-reliant with Savings of Rs 30 42 Lacs.</li> <li>Mangrove plantation and Nursery development work has created a two facet impact by providing Livelihood to Fisherfolk during two months Fishing during Off season and developing 162 hector dense mangrove afforestation.</li> <li>5200 Men days work provide to 285 Fisherfolk of Luni, Sekhdiya and Bhadreshwar Villages in coordination with Horticulture Det.</li> <li>Formed <b>Sagar Saheli SHG</b> of Navinal Fisherfolk Women and Linked with DRDA after completion of Stitching Training.</li> </ul>

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Sr. No.	Conditions	Compliance Status as on 31-03-2023	
			<p>received first order of Rs 80 000 to prepare Cotton Bags. Total 12 Women are engaged and planning to expand with more Women and Order.</p> <ul style="list-style-type: none"> <li>During FY2022-23 Approx. INR 185.37 lakh were spent for Fisherfolk Amenities work in different core areas.</li> <li>Till FY 2022-23, Adani Foundation has done total expenditure of INR 1338.19 lakh for Fisherfolk Amenities work in different core areas.</li> <li>To protect Cattles against Bovine Brucellosis zoonotic disease, Awareness and vaccination program is ongoing with Kutch fodder fruit &amp; Forest development trust (KFFT) in our 11 Villages. In end of the year 100 percentage female calves will be benefitted by this initiative.</li> <li>Current year KKPC served for Date Packaging box, Milk Supply to Colonies, NB 21 Off suits Supply, Vegetable Seed, Mineral Mixture and Cattle feed supply and plan to extend more service. The company has been set up with 237 Farmers shareholders. Current Year turnover is Rs 28 89 lacs by started Different Kind of Initiatives.</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 850 women to absorb in various job.</li> </ul>
		Education	<ul style="list-style-type: none"> <li>Conduct baseline assessment of 7034 Students, 3364 Students were progressive learner, 1403 Students mainstreamed.</li> <li>ISLM (International School Library Month) was celebrated by 69 Utthan schools. And school from Russia joined with us in zoom to engage under the virtual connection around the world.</li> <li>100 hours capacity building programs for Utthan sahayak and school Teachers specially focusing on Foundational Literacy and Numeracy Utthan sahayak attend CBP (Capacity building program) once in every month.</li> <li>Utthan sahayak create 150 Worksheets on Yoga In the run up to India's 75<sup>th</sup> Independence Day celebrated across India's Azadi Ka Amrit Mahotsav The tour covers 75 heritage, tourist and archaeological sites and landmark architectural sites across Gujarat.</li> <li>Provided facility for preparing JNV, NMMS &amp; PSE examination. 898 number of students participated for JNV, NMMS &amp; PSE.</li> <li>Mental and Physical Cognitive Education with Joy full learning activities to 2.5- to 6-year-old children. Provide Nutritional Food Facilities. Capacity Building program for Balwadi teachers.</li> <li>Total 82 Active SHG Group – 850 women are engaged with Adani Foundation for Savings activity. Among 15 SHG groups are involved in income generation. We facilitate them capacity building training for quality, Marketing Finance and team work to made them self-sustain.</li> <li>507 underprivileged students of Fisherman &amp; Maldhari communities underprivileged from 8 villages taking education at the Adani Vidya Mandir school.</li> <li>Celebration of various days in villages school.</li> <li><b>Training Skill Development:</b> Conducted skill development programs for women in various fields such as tailoring, handicrafts, and food processing These training programs helped women develop their skills and start their own businesses We have trained over 320 women in various skills, and many of them have started their own businesses.</li> </ul>

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			<ul style="list-style-type: none"> <li>motivating 150 Woman from different 82 SHG's. Current year theme was Digital ALL: Innovation &amp; technology for gender equality</li> </ul>
	Rural Infrastructure & Environmental Sustainability		<p>Adani foundation designed and built various structure and provide service in the Health, Education, agriculture and sustainable livelihood area.</p> <p><b><u>WORK COMPLETED</u></b></p> <ul style="list-style-type: none"> <li>40 RRWHS structure have been completed</li> <li>208 Bore-well recharging activity is completed.</li> <li>Percolation well Recharging work at Bhadiya &amp; Mota Kandgra village.</li> <li>Sluice gate Construction to Control Flood during Flooding at Khoydivadi Vistar Bhujpur.</li> <li>Pond Beatification and Bund Strengthening at Bhujpur village.</li> <li>Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year.</li> <li>commissioning of Community Training Centre at Shekhadiya.</li> <li>Two Pond Deepening at Zarpara under Amrut Sarovar Yojna.</li> <li>Ground recharge activities (pond deepening work for 61 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan.</li> <li>Pond Pipeline work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area.</li> <li>JCB &amp; Hitachi Machine Support for Pre-Monsoon activities. Repairing and Maintenance work of Approach at Luni, Bavdi and Navinal Fishermen Bandar.</li> <li>3 Re-strengthening of Approach Road.</li> <li>Renovate Blood storage Lab CHC Mundra Renovation Blood storage Lab CHC Mundra.</li> <li>Constructed 2 nos. of CC Road of 700 mtr.</li> <li>Constructed Community Training center Shekadiya.</li> <li>Constructed 2 nos. Disable Widow Toilet Block</li> <li>Installed R.O. Plant at Mokha with capacity 1000ltr /HR.</li> <li>Constructed 4 nos. Common gathering Open Shed</li> <li>Constructed 03 nos. of Water Tank at Luni Bandar.</li> <li>Developed of Cricket Ground at Hatdi Village</li> </ul> <p><b><u>ENVIRONMENT SUSTAINABILITY PROJECTS</u></b></p> <ul style="list-style-type: none"> <li><b>Miyawaki Forest Development, Nana Kapaya</b> - Plantation of 5880 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 47,000 sapling with more than 115 species through Miyawaki methodology.</li> <li><b>Ecosystem Restoration, Guneri</b> - Grassland ecosystem restoration and mangrove conservation in 40 Ha area over a period of 4 years. The site visit and soil samplings conducted by GES team. Regular bi monthly meeting conducted to assess the annual phase wise growth of ongoing activities.</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 FY 2021-22, 03 ha area coastal</li> </ul>

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			<p>stretches have been planted with species. During current FY 2022-23, 04 Hectar plantation has been planted with various species. Total 20 Ha. multi-species mangrove plantation has been carried out till March-23 association with M/s. GUIDE,</p> <ul style="list-style-type: none"> <li>• Mangroves Biodiversity Park within one year</li> <li>• <b>Home biogas</b> - Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uththan Villages phase wise. Total 325 farmers are supported with Biogas as sustainable environment protection.</li> <li>• As per SORI use of biogas each farmer can save Rs.23400/year.</li> </ul> <p><b>Water Conservation Projects –</b></p> <ul style="list-style-type: none"> <li>• Large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 3 check dams.</li> <li>• Ground recharge activities (pond deepening work for 61 ponds) individually and 26 ponds under Sujlam Sujlam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers.</li> <li>• New Pond Deepening Under Ajadi ka Amrut Mahotsav done in Goyarsama village Approx Deepening Capacity is 12000 Cum.</li> <li>• Roof Top Rainwater Harvesting 145 Nos. (40 Nos. current FY 2022-23) which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.</li> <li>• Recharge Borewell 208 Nos (19 Nos. current FY 2022-23) which is best ever option to direct recharge the soil.</li> <li>• Drip Irrigation approx. 1505 Farmers benefitted in coordination with Gujrat Green Revolution Company till date.</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>• Pond Pipeline work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area.</li> <li>• Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year.</li> </ul>
		Skill Development	<p>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.</p> <p><b><u>ASDC, Mundra</u></b></p> <ul style="list-style-type: none"> <li>• <b>Youth Employment:</b> - Adani Foundation is committed for youth employment with imparting technical and Non-Technical Training for Fisherfolk Youth and started Electrical, Welder ad Masson work training under Adani Skill Development Centre.</li> <li>• 23 Youth have been Placed in Different company after Completion of Technical training.</li> <li>• Total 217 Fisherfolk are Employed and earning on Monthly Base. Average Monthly Income Rs.14500/ Individual.</li> </ul> <p><b><u>ASDC and Thermax Foundation Done MoU</u></b></p> <ul style="list-style-type: none"> <li>• ASDC and Thermax Foundation Jointly Organized Skill Development training program for " Dhrab Village youth", In 1st</li> </ul>

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

Sr. No.	Conditions	Compliance Status as on 31-03-2023
		<p>phase completed Domestic Data Entry Operator training with 50 students (25 girls and 25 boys)</p> <ul style="list-style-type: none"> <li>Chief Guest of this program was Mr. Anees Shaikh-Head, ER &amp; Administration, Thermax, Ashlambhai Turk-Dhrab Village Sarpanch remained present</li> <li>CSR head Thermax Ms. Sujata Deshpande has joined from Pune and given motivation and best wishes for training.</li> <li>In this MOU ASDC has provided training of Digital Literacy to 1341 students and Basic Functional English to 2659 students in Kachchh District Schools. As per MOU Kachchh District Education Office has provided 4000 candidates to us for training (Adani Skill Development Centre). Funding from Thermax, CFS and DEO made it possible</li> <li><b>Skill Development and Income Generation</b> –Adani Foundation is working with 82 Self-help group and supporting to develop entrepreneur skills to become self-reliant, sourcing more than 850 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.</li> <li><b>Soft Launch of Data Entry Operator Batch:</b> Soft launched Data Entry Operator Batch with 50 candidates under Thermax Foundation Tie up.</li> </ul> <p><b>ASDC, Bhuj</b></p> <ul style="list-style-type: none"> <li>✓ <b>Mud Work Training–Outreach Batch at Samundra township</b> Total 45 candidates are enrolled.</li> <li>✓ <b>Soft Launch of Data Entry Operator Batch</b> Soft launched Data Entry Operator Batch with 50 candidates under Thermax Foundation Tie-up</li> <li>✓ <b>Soft Launch of Solar Panel Manufacturing</b> Technician Training of Solar Panel Manufacturing Technician Training at Bhuj, ITI with 25 candidates.</li> <li>✓ <b>Soft Launch of DL Training under DEO Project</b> Soft Launch of DL Training at AVMB School with 61 Students</li> </ul> <p>Tie Ups with (Thermax Foundation, Empazer, Navin Group and DEO Kutch @ Rs.24.25 lacs</p> <ul style="list-style-type: none"> <li>MOU with Kachchh District Education Office. In this MOU we will provide training of Digital Literacy and Basic Functional English in Kachchh District Schools. As per MOU Kachchh District Education Office will provide minimum 4000 candidates to us for training (Adani Skill Development Centre).</li> <li>During FY 2022-23, Total 4706 people directly trained in various trainings to enhance socio economic development.</li> </ul> <p>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 2022-23 is to the tune of INR 1894.42 lakh. Out of which, Approx. INR 1527.49 lakhs are spent in FY 2022-23.</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
		Till Mar'23, Adani Foundation has done total expenditure of INR 162.97 Cr. for CSR activities in Kutch region since its inception.
64	The MUPL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Point noted.
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	<p>Complied.</p> <p>Please refer point no. 62 for details regarding the same.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	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.	
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of 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.	<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>

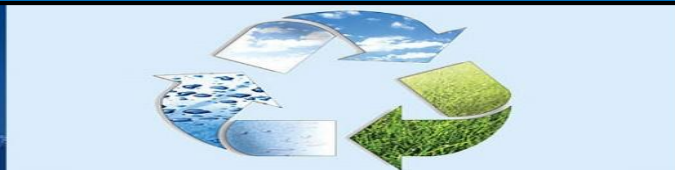
	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023																					
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'22 to Sep'22 was submitted to Integrated Regional Office (IRO) @ Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar &amp; Gandhidham and SEIAA, Gandhinagar vide our letter dated 21.11.2022. 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 30.11.2022. 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'19 to Mar'20</td><td>20.05.2020</td></tr> <tr> <td>2</td><td>Apr'20 to Sep'20</td><td>26.11.2020</td></tr> <tr> <td>3</td><td>Oct'20 to Mar'21</td><td>25.05.2021</td></tr> <tr> <td>4</td><td>Apr'21 to Sep'21</td><td>30.11.2021</td></tr> <tr> <td>5</td><td>Oct'21 to Mar'22</td><td>30.05.2022</td></tr> <tr> <td>6</td><td>Apr'22 to Sep'22</td><td>30.11.2022</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Oct'19 to Mar'20	20.05.2020	2	Apr'20 to Sep'20	26.11.2020	3	Oct'20 to Mar'21	25.05.2021	4	Apr'21 to Sep'21	30.11.2021	5	Oct'21 to Mar'22	30.05.2022	6	Apr'22 to Sep'22	30.11.2022
Sr. No.	Compliance period	Date of submission																					
1	Oct'19 to Mar'20	20.05.2020																					
2	Apr'20 to Sep'20	26.11.2020																					
3	Oct'20 to Mar'21	25.05.2021																					
4	Apr'21 to Sep'21	30.11.2021																					
5	Oct'21 to Mar'22	30.05.2022																					
6	Apr'22 to Sep'22	30.11.2022																					
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	Point noted.																					

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'22</b> <b>To : Mar'23</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2023
	or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	
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, interalia 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 amendments and rules.	Point noted.
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

# **Annexure – 1**



## “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: October – 2022 to March - 2023**

**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
			Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23		
			10-10-2022	28-11-2022	16-12-2022	03-01-2023	02-02-2023	02-03-2023		
1.	pH @ 27 ° C	--	7.21	7.38	7.75	7.46	7.69	7.84	6.5 to 8.5	APHA 23 <sup>rd</sup> Ed.,2017,4500-H <sup>+</sup> B
2.	Temperature	°C	30.5	30	29	28.5	29	29	--	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	60	80	60	60	80	80	100	IS 3025(Part 4)
4.	Total SuspeNOT DETECTED Sed Solids	mg/L	88	78	72	82	208	158	800	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	9	10	2	6	8	10	20	IS 3025(Part39)1991, Amd. 2
6.	Phenolic CompouNOT DETECTED	mg/L	0.82	1.12	0.24	0.86	BDL(MDL:0.1)	0.58	2	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	1.14	1.11	1.8	1.24	1.3	1.04	2	APHA 23 <sup>rd</sup> Ed.,2017,4500 F, D
8.	Iron as Fe	mg/L	1.24	1.32	0.109	1.168	0.133	0.624	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	0.94	1.14	0.56	0.82	BDL(MDL:0.05)	0.128	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	By Calculation
11.	Sulphide	mg/L	1.24	1.34	0.85	1.06	1.5	1.64	2	APHA 23 <sup>rd</sup> Ed.,2017,4500-H <sup>+</sup> B

Continue...



SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23		
			10-10-2022	28-11-2022	16-12-2022	03-01-2023	02-02-2023	02-03-2023		
12.	Ammonical Nitrogen	mg/L	11.9	18.4	25.3	22.5	31.3	13.1	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	180	140	77	64	70	180	1000	IS 3025(Part 4)
14.	COD	mg/L	750.4	586.4	320.5	268.4	245.7	644.5	2000	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
15.	Chloride (as Cl) <sup>-</sup>	mg/L	767.4	714.6	820.2	880	899.7	886.4	1000	IS 3025(Part39)1991, Amd. 2
16.	Sulphate (as SO <sub>4</sub> )	mg/L	172	164	125.3	116	142	168	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1780	1746	1780	1860	1880	1888	2100	APHA 23 <sup>rd</sup> Ed.,2017,4500 F, D
18.	Total Residual Chlorine	mg/L	0.82	0.88	0.91	0.64	0.94	0.84	2	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 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
			Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23		
			10-10-2022	28-11-2022	16-12-2022	03-01-2023	02-02-2023	02-03-2023		
1.	pH @ 27 ° C	--	7.2	7.32	7.73	7.45	7.58	7.64	6.0 – 9.0	APHA 23 <sup>rd</sup> Ed.,2017,4500-H+B
2.	Temperature	°C	30.5	30	29	28.5	29	29	Shall not exceed more than 5 °C above received water temperature	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	50	40	50	50	40	50	100	IS 3025(Part 4)
4.	Total Suspended Solids	mg/L	26	32	34	42	10	42	100	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	10	IS 3025 (Part39)1991, Amd. 2
6.	Phenolic Compound	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	1	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	1.1	0.82	1.3	1.22	1.3	1.02	2	APHA 23 <sup>rd</sup> Ed.,2017,4500F, D
8.	Iron as Fe	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	0.59	0.64	0.52	0.67	BDL(MDL:0.05)	BDL(MDL:0.05)	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	By Calculation

Continue...

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Auditor (Schedule-II)

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Certified Company

ISO 45001:2018  
Certified Company

SR.NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23		
			10-10-2022	28-11-2022	16-12-2022	03-01-2023	02-02-2023	02-03-2023		
11.	Sulphide	mg/L	0.98	0.42	0.64	0.98	BDL(MDL:0.05)	1.62	2	APHA 23 <sup>rd</sup> Ed.,2017,4500-H*B
12.	Ammonical Nitrogen	mg/L	11.5	16.4	3.4	6.7	2.3	8	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	45	35	37	25	31	51	100	IS 3025(Part 4)
14.	COD	mg/L	186.6	146.5	156.1	90.4	112.2	181.3	250	APHA 23 <sup>rd</sup> Ed.,2017,2540 -D
15.	Chloride (as Cl) <sup>-</sup>	mg/L	740.5	712.2	793	744	751.4	867.5	1000	IS 3025(Part 39)1991, Amd. 2
16.	Sulphate (as SO <sub>4</sub> )	mg/L	166	160	116.4	114	110	156	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1750	1740	1776	1844	1868	1854	2100	APHA 23 <sup>rd</sup> Ed.,2017,4500F, D
18.	Total Residual Chlorine	mg/L	0.75	0.82	0.86	0.64	0.94	0.82	1	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 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.	03-10-2023	86.52	34.56	15.67	21.44	1.00
2.	06-10-2022	82.35	27.86	13.45	18.78	--
3.	10-10-2022	89.34	30.23	18.78	24.56	--
4.	13-10-2022	78.44	24.21	21.34	27.67	--
5.	17-10-2022	85.67	26.57	20.45	24.56	--
6.	20-10-2022	81.07	37.68	22.45	28.79	--
7.	27-10-2022	87.42	26.75	22.46	27.65	--
8.	28-10-2022	74.56	23.28	19.89	25.61	--
9.	31-10-2022	81.52	27.9	23.48	29.35	--
10.	03-11-2022	72.34	26.12	15.21	21.45	--
11.	07-11-2022	82.34	29.34	15.67	22.34	--
12.	10-11-2022	89.15	37.12	14.23	19.38	--
13.	14-11-2022	88.12	32.69	17.23	24.56	--
14.	17-11-2022	73.45	28.72	22.34	29.35	--
15.	21-11-2022	81.23	36.29	20.15	27.68	--

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>
16.	24-11-2022	65.78	23.42	23.18	28.55	--
17.	28-11-2022	77.23	29.56	24.17	31.25	--
18.	01-12-2022	62.58	34.26	20.38	26.23	--
19.	05-12-2022	67.36	36.49	18.74	24.18	--
20.	08-12-2022	74.24	26.75	17.27	23.68	--
21.	12-12-2022	69.26	39.17	23.59	29.52	--
22.	15-12-2022	87.57	34.98	16.63	21.39	--
23.	19-12-2022	72.5	29.47	13.93	18.48	--
24.	22-12-2022	84.27	31.41	16.38	25.67	--
25.	26-12-2022	81.38	37.19	21.64	28.41	--
26.	29-12-2022	76.62	24.82	18.39	27.46	--
27.	02-01-2023	67.18	39.72	24.47	31.92	0.07
28.	05-01-2023	83.72	43.47	26.25	32.53	--
29.	09-01-2023	88.62	34.79	21.38	27.44	--
30.	12-01-2023	76.24	28.61	20.88	25.73	--
31.	16-01-2023	68.62	27.36	19.73	28.48	--

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>
32.	19-01-2023	88.23	38.57	24.42	33.62	--
33.	23-01-2023	68.24	37.18	22.87	27.16	--
34.	26-01-2023	62.4	45.66	27.34	34.63	--
35.	30-01-2023	82.27	34.32	24.28	31.27	--
36.	02-02-2023	89.17	43.76	30.69	37.28	--
37.	06-02-2023	83.68	32.48	21.35	28.93	--
38.	09-02-2023	76.06	37.53	18.16	26.55	--
39.	13-02-2023	87.29	35.42	27.53	36.19	--
40.	16-02-2023	71.53	33.73	29.93	38.61	--
41.	20-02-2023	85.16	31.96	32.39	39.46	--
42.	23-02-2023	87.52	42.09	28.31	34.83	--
43.	27-02-2023	79.26	32.58	22.79	31.18	--
44.	02-03-2023	86.38	35.82	24.18	31.64	--
45.	06-03-2023	83.54	27.19	27.63	36.81	--
46.	09-03-2023	71.49	31.47	23.38	29.42	--
47.	13-03-2023	86.51	42.87	31.48	39.53	--

Continue...

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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>
48.	16-03-2023	81.28	40.16	25.96	32.47	--
49.	20-03-2023	78.51	37.55	28.17	34.28	--
50.	23-03-2023	86.42	33.75	23.18	27.06	--
51.	27-03-2023	71.32	38.19	29.73	35.62	--
52.	30-03-2023	82.74	41.78	32.57	41.48	--
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.	03-10-2023	86.28	29.74	18.93	31.41	0.06	NOT DETECTED	NOT DETECTED
2.	06-10-2022	83.84	32.28	21.74	26.73	0.04	NOT DETECTED	NOT DETECTED
3.	10-10-2022	79.52	27.59	19.14	18.37	0.03	NOT DETECTED	NOT DETECTED
4.	13-10-2022	73.92	24.26	14.61	23.53	0.05	NOT DETECTED	NOT DETECTED
5.	17-10-2022	78.72	26.85	14.38	20.78	0.03	NOT DETECTED	NOT DETECTED
6.	20-10-2022	69.61	30.83	19.22	25.24	0.08	NOT DETECTED	NOT DETECTED
7.	27-10-2022	88.24	32.88	20.16	32.23	0.04	NOT DETECTED	NOT DETECTED
8.	28-10-2022	82.96	27.19	13.72	22.73	0.06	NOT DETECTED	NOT DETECTED
9.	31-10-2022	78.48	30.39	17.53	27.74	0.06	NOT DETECTED	NOT DETECTED
10.	03-11-2022	72.34	27.69	12.35	18.95	0.06	NOT DETECTED	NOT DETECTED
11.	07-11-2022	68.15	25.68	17.36	26.13	0.02	NOT DETECTED	NOT DETECTED
12.	10-11-2022	80.14	31.24	14.55	22.34	0.06	NOT DETECTED	NOT DETECTED
13.	14-11-2022	62.34	35.23	17.23	21.59	0.05	NOT DETECTED	NOT DETECTED
14.	17-11-2022	68.59	27.49	15.12	23.63	0.03	NOT DETECTED	NOT DETECTED
15.	21-11-2022	79.23	28.15	21.34	30.25	0.04	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>
16.	24-11-2022	82.34	32.51	19.26	24.55	0.02	NOT DETECTED	NOT DETECTED
17.	28-11-2022	71.27	34.74	22.15	28.12	0.05	NOT DETECTED	NOT DETECTED
18.	01-12-2022	87.26	36.31	19.22	27.73	0.04	NOT DETECTED	NOT DETECTED
19.	05-12-2022	76.4	32.69	24.64	34.58	0.05	NOT DETECTED	NOT DETECTED
20.	08-12-2022	63.53	27.84	21.46	29.71	0.06	NOT DETECTED	NOT DETECTED
21.	12-12-2022	69.17	28.49	23.58	32.93	0.04	NOT DETECTED	NOT DETECTED
22.	15-12-2022	84.38	35.96	17.61	27.31	0.06	NOT DETECTED	NOT DETECTED
23.	19-12-2022	88.53	33.84	27.02	36.86	0.06	NOT DETECTED	NOT DETECTED
24.	22-12-2022	71.64	39.57	26.62	31.79	0.03	NOT DETECTED	NOT DETECTED
25.	26-12-2022	86.19	29.12	27.58	32.16	0.05	NOT DETECTED	NOT DETECTED
26.	29-12-2022	75.38	32.79	22.73	28.14	0.05	NOT DETECTED	NOT DETECTED
27.	02-01-2023	69.38	39.26	14.39	26.84	0.08	NOT DETECTED	NOT DETECTED
28.	05-01-2023	85.42	37.48	29.74	38.46	0.06	NOT DETECTED	NOT DETECTED
29.	09-01-2023	79.5	36.21	27.39	36.82	0.04	NOT DETECTED	NOT DETECTED
30.	12-01-2023	72.37	33.64	26.29	28.48	0.13	NOT DETECTED	NOT DETECTED
31.	16-01-2023	67.52	39.72	24.53	36.64	0.06	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>
32.	19-01-2023	73.49	43.18	21.39	32.96	0.09	NOT DETECTED	NOT DETECTED
33.	23-01-2023	81.96	29.46	28.73	34.27	0.05	NOT DETECTED	NOT DETECTED
34.	26-01-2023	78.36	27.93	23.72	31.28	0.07	NOT DETECTED	NOT DETECTED
35.	30-01-2023	84.27	38.43	28.27	36.38	0.05	NOT DETECTED	NOT DETECTED
36.	02-02-2023	83.48	32.67	18.37	29.71	0.09	NOT DETECTED	NOT DETECTED
37.	06-02-2023	87.24	43.5	21.37	34.88	0.13	NOT DETECTED	NOT DETECTED
38.	09-02-2023	76.59	39.13	16.84	27.93	0.10	NOT DETECTED	NOT DETECTED
39.	13-02-2023	89.61	37.82	19.37	31.84	0.05	NOT DETECTED	NOT DETECTED
40.	16-02-2023	75.05	31.49	21.93	32.27	0.08	NOT DETECTED	NOT DETECTED
41.	20-02-2023	85.74	36.57	27.28	38.46	0.16	NOT DETECTED	NOT DETECTED
42.	23-02-2023	72.18	41.28	31.47	39.82	0.07	NOT DETECTED	NOT DETECTED
43.	27-02-2023	86.39	38.31	29.64	37.16	0.08	NOT DETECTED	NOT DETECTED
44.	02-03-2023	89.36	41.38	23.19	31.58	0.11	NOT DETECTED	NOT DETECTED
45.	06-03-2023	83.65	37.18	26.63	29.84	0.16	NOT DETECTED	NOT DETECTED
46.	09-03-2023	84.68	34.79	21.1	28.62	0.13	NOT DETECTED	NOT DETECTED
47.	13-03-2023	76.25	39.76	26.49	34.36	0.08	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>
48.	16-03-2023	82.16	35.53	17.47	26.85	0.11	NOT DETECTED	NOT DETECTED
49.	20-03-2023	86.19	31.28	21.55	29.26	0.14	NOT DETECTED	NOT DETECTED
50.	23-03-2023	73.96	38.36	27.94	34.81	0.10	NOT DETECTED	NOT DETECTED
51.	27-03-2023	81.39	34.91	24.73	28.46	0.13	NOT DETECTED	NOT DETECTED
52.	30-03-2023	88.37	32.48	28.13	36.81	0.09	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					
		04-10-2022	09-11-2022	03-12-2022	04-01-2023	08-02-2023	04-03-2023
1	06:00 to 07:00	63.6	58.3	62.4	62.1	59.4	59.4
2	07:00 to 08:00	63.5	63.2	65.4	64.8	62.7	61.7
3	08:00 to 09:00	58.9	66.8	65.1	64.3	65.4	63.8
4	09:00 to 10:00	62.4	64.5	65.9	66.9	63.9	67.4
5	10:00 to 11:00	67.8	68.6	68.4	67.5	67.0	64.3
6	11:00 to 12:00	69.5	65.2	67.3	67.3	67.8	65.8
7	12:00 to 13:00	68.1	67.1	63.9	63.9	63.8	65.2
8	13:00 to 14:00	66.2	66.1	66.1	67.4	63.2	69.4
9	14:00 to 15:00	62.3	69.0	61.8	61.8	62.4	63.2
10	15:00 to 16:00	65.5	68.2	63.4	64.2	62.5	63.1
11	16:00 to 17:00	67.4	66.9	64.6	67.5	67.1	68.4
12	17:00 to 18:00	60.5	62.8	62.8	69.0	63.9	65.0
13	18:00 to 19:00	61.8	65.8	62.5	64.8	67.4	68.4
14	19:00 to 20:00	60.2	61.3	61.3	62.8	63.2	61.2
15	20:00 to 21:00	59.3	68.9	63.5	63.5	67.6	64.9
16	21:00 to 22:00	58.8	65.7	62.7	63.7	68.7	63.6
Day Time		<75 dB (A)					

Continue...

Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		04-10-2022	09-11-2022	03-12-2022	04-01-2023	08-02-2023	04-03-2023
1	22:00 to 23:00	57.2	59.5	61.2	58.6	56.4	55.7
2	23:00 to 24:00	60.2	56.8	60.5	61.3	57.3	57.3
3	24:00 to 01:00	57.6	56.2	61.3	61.4	57.8	57.8
4	01:00 to 02:00	55.3	60.7	63.9	63.9	59.2	59.1
5	02:00 to 03:00	55.5	56.2	58.5	59.7	57.6	56.8
6	03:00 to 04:00	57.8	59.3	59.4	60.2	59.3	57.3
7	04:00 to 05:00	56.2	55.7	60.2	63.5	56.8	58.2
8	05:00 to 06:00	58.9	57.1	63.6	62.7	58.3	59.3
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					
		21-10-2022	26-11-2022	24-12-2022	24-01-2023	25-02-2023	25-03-2023
1	06:00 to 07:00	61.1	62.9	61.1	60.5	59.8	63.7
2	07:00 to 08:00	68.5	61.5	63.5	62.7	62.7	64.2
3	08:00 to 09:00	65.5	63.3	64.3	63.9	67.8	63.8
4	09:00 to 10:00	63.3	62.3	64.8	65.1	64.5	65.8
5	10:00 to 11:00	65.7	61.2	62.4	67.3	61.2	64.9
6	11:00 to 12:00	62.8	63.4	63.4	66.9	68.4	67.0
7	12:00 to 13:00	68.2	67.4	65.8	63.2	64.2	63.8
8	13:00 to 14:00	65.6	68.0	62.9	62.9	69.1	67.5
9	14:00 to 15:00	64.2	63.7	64.9	64.9	65.8	66.3
10	15:00 to 16:00	68.2	63.6	64.7	63.3	64.3	62.5
11	16:00 to 17:00	63.6	65.1	65.3	67.5	67.2	68.4
12	17:00 to 18:00	67.2	63.2	63.2	64.7	63.2	65.4
13	18:00 to 19:00	68.7	60.4	60.4	62.4	60.4	64.1
14	19:00 to 20:00	68.5	60.6	60.1	62.5	60.9	63
15	20:00 to 21:00	61.1	59.6	58.5	58.5	62.6	62.7
16	21:00 to 22:00	60.9	61.8	63.6	62.8	63.6	62.4
Day Time		<75 dB (A)					

Continue...



Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		21-10-2022	26-11-2022	24-12-2022	24-01-2023	25-02-2023	25-03-2023
1	22:00 to 23:00	59.6	55.8	60.7	58.4	57.3	58.5
2	23:00 to 24:00	57.4	56.8	57.8	57.8	58.1	57.4
3	24:00 to 01:00	63.5	59.3	59.1	58.3	60.4	57.9
4	01:00 to 02:00	60.7	56.2	62.1	61.2	57.8	59.3
5	02:00 to 03:00	60.2	56.4	58.4	59.0	57.6	57.2
6	03:00 to 04:00	63.8	61.3	58.7	58.7	60.3	61.7
7	04:00 to 05:00	58.2	57.3	60.8	61.1	57.8	56.4
8	05:00 to 06:00	62.1	58.7	62.2	62.1	58.7	58.1
Day Time		<70 dB (A)					

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




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

### Results of Stack Monitoring

Sr. No.	Parameter	Unit	Dec-2022	GPCB LIMIT	Method of Test
			D.G.Set No. S-1 (380 KVA )		
			15-12-2022		
1	Particulate Matter	mg/Nm <sup>3</sup>	18.4	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO <sub>2</sub>	ppm	6.8	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO <sub>x</sub>	ppm	24.7	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm <sup>3</sup>	2.6	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	--	UERL/AIR/SOP/27



**Nikunj D. Patel**  
(Chemist)



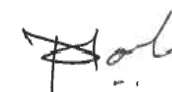

**Jaivik S. Tandel**  
(Manager - Operations)

### RESULTS OF BOREHOLE WATER SAMPLE

Sr. No	Parameters	Method	Unit	05-07-2022
				Nr. CETP
1	pH @ 25 ° C	IS 3025(Part 11)1983	--	7.42
2	Salinity	APHA 23rd Ed.,2017,2520 B	ppt	1.89
3	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	BDL(MDL:2.0)
4	Hydrocarbon	GC/GCMS	mg/L	Not Detected
5	Lead as Pb	IS 3025 (PART 47) 1994	mg/L	0.08
6	Arsenic as As	APHA 23rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
7	Nickel as Ni	IS 3025 (PART 54) 2003	mg/L	0.068
8	Total Chromium as Cr	IS 3025 (PART 52) 2003	mg/L	BDL(MDL:0.05)
9	Cadmium as Cd	IS 3025(PART 41) 1992	mg/L	BDL(MDL:0.003)
10	Mercury as Hg	APHA 23rd Ed.,2017, 3112-B	mg/L	BDL(MDL:0.001)
11	Zinc as Zn	IS 3025(PART 49) 1994	mg/L	0.286
12	Copper as Cu	IS 3025 (PART 42) 1992	mg/L	BDL(MDL:0.05)
13	Iron as Fe	IS 3025(PART 53) 2003	mg/L	BDL(MDL:0.1)
14	Insecticides/Pesticides	USEPA 8081 B	µg/L	Absent
15	Depth of Water Level from Ground Level	--	meter	2.3



**Mr. Nilesh Patel**  
Sr. Chemist

**Mr. Nitin Tandel**  
Technical Manager

### RESULTS OF SOIL SAMPLE

SR. NO.	TEST PARAMETERS	UNIT	05-07-2022
			Near CETP
1	pH	--	8.75
2	Nitrogen as N	%	0.34
3	Phosphorus as P	mg/kg	362
4	Potassium as K	mg/kg	124
5	Baron as B	mg/kg	3.36
6	Calcium as Ca	mg/kg	452
7	Magnesium as Mg	mg/kg	598
8	Iron as Fe	%	0.45
9	Moisture	%	8.18
10	Organic Matter	%	0.21
11	Cation exchange capacity (CEC)	meq/100gm	9.52
12	TVC	CFU/gm	1.8 x 10 <sup>6</sup>
13	Cadmium as Cd	mg/kg	BDL(MDL:1.0)
14	Thorium as Th	mg/kg	BDL(MDL:1.0)
15	Antimony as Sb	mg/kg	BDL(MDL:1.0)
16	Arsenic as As	mg/kg	BDL(MDL:1.0)

Continue...

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

QCINABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

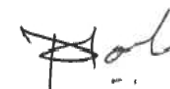
ISO 9001:2015  
Certified Company

ISO 45001:2018  
Certified Company

17	Lead as Pb	mg/kg	BDL(MDL:1.0)
18	Chromium as Cr	mg/kg	BDL(MDL:1.0)
19	Cobalt as Co	mg/kg	23.5
20	Copper as Cu	mg/kg	40.2
21	Nickel as Ni	mg/kg	12.9
22	Manganese and Mn	mg/kg	325
23	Vanadium as V	mg/kg	8.15



**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	SuspeNOT DETECTED particulate matter	mg/Nm <sup>3</sup>	2 mg/Nm <sup>3</sup>
2	Sulphur Dioxide SO <sub>2</sub>	mg/Nm <sup>3</sup>	4 mg/Nm <sup>3</sup>
3	Oxides of Nitrogen NO <sub>x</sub>	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 SuspeNOT DETECTEDeds Solids	mg/L	4
5	Oil & Grease	mg/L	2
6	Phenolic CompouNOT DETECTED	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) ^-	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**

adani

Ports and  
Logistics

PCB ID: 10605

APSEZL/EnvCell/2022-23/101

Date: 27.03.2023

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 **February 2023**.

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 is attached as per **Annexure – I** for the month of **February 2023**.


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 of **February 2023** 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



  
15/04/23

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,  
Khodiyar, Ahmedabad - 382421  
Gujarat, India

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

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

APSEZL/EnvCell/2022-23/107

Date: 25.04.2023

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 2023**.

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 is attached as per **Annexure – I** for the month of **March 2023**.

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

*for Shump*

Authorized Signatory

*for Shump*  
*25/04/2023*

*N. H. H. P.*  
*25/4/2023*  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010

*Aghy*

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

# **Annexure – 3**

APSEZL/EnvCell/2022-23/108

Date: 25.04.2023

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 2023**.

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 2023**.

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.	Mundra SEZ Integrated Textile Apparel Park Pvt. Ltd.	Domestic Sewage
5.	Mundra Village	Domestic Sewage

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

*for [Signature]*

Authorized Signatory

*[Signature]*  
25/04/2023

*N. N. V.*  
25/4/2023

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

*[Signature]*

MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani Corporate House, Shantigram,  
Nr. Vaishno Devi Circle, S. G. Highway,  
Khodiyar, Ahmedabad - 382421  
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info@adani.com  
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 Fresh Water Consumption (Oct – 22 to Mar – 23)

Sr. No.	Month	Total water Consumption (KL)	Water consumption data in KL	
			Domestic	Industrial
1.	Oct-22	146.00	29.20	116.80
2.	Nov-22	102.00	20.40	81.60
3.	Dec-22	102.00	20.40	81.60
4.	Jan-23	103.00	20.60	82.40
5.	Feb-23	98.00	19.60	78.40
6.	Mar-23	158.00	31.60	126.40
	<b>Total</b>	<b>709</b>	<b>142</b>	<b>567</b>
	<b>Avg. per Day</b>	<b>3.90</b>	<b>0.78</b>	<b>3.12</b>

### Details of Received Trade Effluent and Treated Water Discharge Quantity (Oct – 22 to Mar – 23)

Sr. No.	Month	Effluent & Sewage collected from member units + CETP in KL	Treated water Discharge in KL
1	Oct-22	28849	23819
2	Nov-22	25338	25041
3	Dec-22	24664	23598
4	Jan-23	24358	31389
5	Feb-23	19102	32489
6	Mar-23	20579	29341
<b>Total Quantity</b>		<b>166391</b>	<b>142890</b>
<b>Avg. Quantity per Day</b>		<b>914.24</b>	<b>785.11</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:381851 - Analysis Completion:17/03/2023

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
7942**

**TEST REPORT**

**Test Report No. : 7942**

**Date: 17/03/2023**

- |                                                         |                                                                                               |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <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>: REP-Representative/Grab, (Insp Type : ROU-Routine Visit)</b>                             |
| <b>4. Sample Collected By</b>                           | <b>: Rajesh Parmar, EE</b>                                                                    |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 liters</b>                                                                             |
| <b>6. Code No. of the Sample</b>                        | <b>: 381851</b>                                                                               |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 02/03/2023 , (1410 to 1410) &amp; 09/03/2023</b>                                         |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 09/03/2023 &amp; 17/03/2023</b>                                                          |
| <b>9. Sampling Point</b>                                | <b>: From Final outlet of CETP ~</b>                                                          |
| <b>10. Flow Details (Remarks)</b>                       | <b>:</b>                                                                                      |
| <b>11. Mode of Disposal</b>                             | <b>: On land for Plantation &amp; Gardening within SEZ area of the MPSEZ</b>                  |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>                                                                           |
| <b>13. Temperature on Collection</b>                    | <b>: 24 &amp; pH Range on pH Strip :7 to 8</b>                                                |
| <b>14. Carboys Nos for</b>                              | <b>: Barcode &amp; Color &amp; Appearance :Colourless</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	24
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2017	1 – 14 pH value As or	8.02
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 23rd edi. 2017	2 - to 99 Hazen & 1-50	10
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1816
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 Standar	1 - 2000 mg/l.	2.24
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	44
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	540
9	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	270
10	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	88
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	0.8
12	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.31
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	0.36
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	N.A.
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	N.A.
16	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	N.A.
17	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	N.A.
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	24

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 17/03/2023

*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**

## Radheshyam Singh

**From:** Chiragsing Rajput  
**Sent:** Friday, December 30, 2022 12:51 PM  
**To:** RTDMS Connectivity  
**Cc:** B Vinod Babu; SHARANDEEP SINGH; Anurag Sharma; ankit@unitechinstrument.com; Bhagwat Swaroop Sharma; Radheshyam Singh  
**Subject:** RE: Approval request of MPSEZ UTILITIES PVT. LTD. (20GJ026) (CETP)  
**Attachments:** Self Declaration-CETP-26.12.2022.pdf; Mail Confirmation by Logic Ladder.pdf; Migration Letter for CEQMS Data Transmission-26.12.2022.pdf; OCEMS Connectivity Sheet - MPSEZ UTILITIES PVT. LTD.xlsx

Respected Sir,

As per your mail query dated 23.12.2022 for migration approval from existing server **M/s. LOGIC LADDER TECHNOLOGIES PVT. LTD.** to new server **M/s. SAKSHAM (UNITECH) MPSEZ UTILITIES PVT. LTD.** Point wise reply is mentioned below with attachment.

Sr. No.	CPCB Query (23.12.2022)	Our Reply
1	You are requested to attach the declaration also which is available at Annexure-II of <b>FAQ</b> available at <a href="http://rtdms.cpcb.gov.in/industry-login">http://rtdms.cpcb.gov.in/industry-login</a>	Self-declaration letter is attached.
2	In your attached migration letter, the old TPDS name is different and in CPCB RTDMS portal through which it is connected, is different. You are requested to attach proper industry migration letter also in which old TPDS and new TPDS name is mentioned.	Updated migration letter with old & new TPDS name and NOC for server migration by old TPDS is attached.
3	You are requested to clearly mention the measurement principle of each parameter in your connectivity sheet.	Updated OCEQMS connectivity sheet is attached.

Thanks & Regards  
MPSEZ UTILITIES PVT. LTD.  
PLOT / S. NO. 141/P, VILLAGE: MUNDRA, TAL. MUNDRA,  
DIST. KUTCH - 370421., MUNDRA, KUTCH, Gujarat-370421

**From:** RTDMS Connectivity [rtdmsapproval1.cpcb@gov.in](mailto:rtdmsapproval1.cpcb@gov.in)  
**Sent:** Friday, December 23, 2022 3:50 PM  
**To:** Chiragsing Rajput <Chiragsing.Rajput@adani.com>  
**Cc:** B Vinod Babu <itdiv.cpcb@nic.in>; SHARANDEEP SINGH <sharandeep.cpcb@nic.in>; Anurag Sharma <anurag.cpcb@gov.in>; ankit@unitechinstrument.com; Bhagwat Swaroop Sharma <Bhagwat.Sharma1@adani.com>  
**Subject:** Re: Approval request of MPSEZ UTILITIES PVT. LTD. (20GJ026) (CETP)

**\*CAUTION:** This mail has originated from outside Adani. Please exercise caution with links and attachments.\*

Sir,

(1) You are requested to attach the declaration also which is available at Annexure-II of **FAQ** available at <http://rtdms.cpcb.gov.in/industry-login>  
(2) In your attached migration letter, the old TPDS name is different and in CPCB RTDMS portal through which it is connected, is different. You are requested to attach proper industry migration letter also in which old TPDS and new TPDS name is mentioned.  
(3) You are requested to clearly mention the measurement principle of each parameter in your connectivity sheet.

Thanks & Regards

IT Division  
Central Pollution Control Board  
Delhi

---

From: "RTDMS Connectivity" <[rtdmsapproval1.cpcb@gov.in](mailto:rtdmsapproval1.cpcb@gov.in)>  
To: "Chiragsing Rajput" <[Chiragsing.Rajput@adani.com](mailto:Chiragsing.Rajput@adani.com)>  
Cc: "B Vinod Babu" <[itdiv.cpcb@nic.in](mailto:itdiv.cpcb@nic.in)>, "SHARANDEEP SINGH" <[sharandeep.cpcb@nic.in](mailto:sharandeep.cpcb@nic.in)>, "Anurag Sharma" <[anurag.cpcb@gov.in](mailto:anurag.cpcb@gov.in)>, [ankit@unitechinstrument.com](mailto:ankit@unitechinstrument.com), "Bhagwat Sharma1" <[Bhagwat.Sharma1@adani.com](mailto:Bhagwat.Sharma1@adani.com)>  
Sent: Friday, December 23, 2022 3:47:42 PM  
Subject: Re: Approval request of MPSEZ UTILITIES PVT. LTD. (20GJ026) (CETP)

Sir,

(1) You are requested to attach the declaration also which is available at Annexure-II of **FAQ** available at <http://rtdms.cpcb.gov.in/industry-login>  
(2) In your attached migration letter, the old TPDS name is different and in CPCB RTDMS portal through which it is connected, is different. You are requested to attach proper industry migration letter also in which old TPDS and new TPDS name is mentioned.

Thanks & Regards

IT Division  
Central Pollution Control Board  
Delhi

---

From: "Chiragsing Rajput" <[Chiragsing.Rajput@adani.com](mailto:Chiragsing.Rajput@adani.com)>  
To: "RTDMS Connectivity" <[rtdmsapproval1.cpcb@gov.in](mailto:rtdmsapproval1.cpcb@gov.in)>  
Cc: [ankit@unitechinstrument.com](mailto:ankit@unitechinstrument.com), "Bhagwat Sharma1" <[Bhagwat.Sharma1@adani.com](mailto:Bhagwat.Sharma1@adani.com)>  
Sent: Thursday, December 22, 2022 1:47:18 PM  
Subject: RE: Approval request of MPSEZ UTILITIES PVT. LTD. (20GJ026) (CETP)

Dear Sir / Madam,

We are awaiting for your reply. Kindly do needful for the same.

Regards

Chiragsing Rajput

---

**From:** Chiragsing Rajput  
**Sent:** Tuesday, December 6, 2022 5:31 PM  
**To:** [rtdmsapproval1.cpcb@gov.in](mailto:rtdmsapproval1.cpcb@gov.in)  
**Cc:** [ankit@unitechinstrument.com](mailto:ankit@unitechinstrument.com); Bhagwat Swaroop Sharma <[Bhagwat.Sharma1@adani.com](mailto:Bhagwat.Sharma1@adani.com)>  
**Subject:** Approval request of MPSEZ UTILITIES PVT. LTD. (20GJ026) (CETP)

Dear Sir/Madam,

Please find the attached approval request of exiting unit migrate from Next engineering to SAKSHAM (UNITECH) MPSEZ UTILITIES PVT. LTD. (20GJ026) Please find the attached documents for your reference.

Our Vendor for this connectivity is SAKSHAM (UNITECH) Please arrange to give us approval for the same.

Thanks & Regards

**MPSEZ UTILITIES PVT. LTD.**

PLOT / S. NO. 141/P, VILLAGE: MUNDRA, TAL. MUNDRA,

DIST. KUTCH - 370421., MUNDRA, KUTCH, Gujarat-370421





Growth  
with  
Goodness

Our Values: Courage | Trust | Commitment



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Ports and  
Logistics

**PCB ID: 10605**

APSEZL/EnvCell/2022-23/097

Date: 28/02/2023

To  
The Regional Officer,  
Regional Office, GPCB (Kutch-East),  
Gandhidham - 370201.

**Sub** : Intimation for connectivity of our CETP CEQMS with GPCB server

**Reference** : 1. Our office letter vide letter no. APSEZL/EnvCell/2022-23/095 dated 31.01.2023  
(**Annexure - A**)  
2. GPCB Letter vide no. GPCB/ Kutch (E)/General-1/1805 dated 11.01.2023 (Copy enclosed as **Annexure - B**)

Respected Sir,

With reference to the above-mentioned subject and reference, M/s. MPSEZ Utilities Limited (MUL) was received a letter on 11<sup>th</sup> January 2023 issued by GPCB – RO regarding connectivity of CEQMS with GPCB server. MUL had submitted the compliance report vide letter no. APSEZL/EnvCell/2022-23/095 dated 31.01.2023 for your issued letter. Now we wish to inform your good office that our CETP Continuous Effluent Quality Monitoring System (CEQMS) has been connected with your GPCB server for monitoring pH, TSS, COD, BOD & Ammonical Nitrogen (NH<sub>3</sub>-N) parameters and its data is being continuously transferring to GPCB server (Screen Shot of GPCB Server with CEQMS data transmission & Online CEQMS data is attached as **Annexure - 1 & 2** respectively).

This is for your kind information & your good office record.

Thank you,  
Yours Faithfully,  
For, **MPSEZ Utilities Limited (MUL)**

  
**Bhagwat Swaroop Sharma**  
**Head – Environment**

**Encl:** As above

Copy to:

1. The Unit Head, GPCB – Head Office, Gandhinagar – 382010.
2. Member Secretary, GPCB, Gandhinagar – 382010
3. Vigilance Cell, GPCB – Head Office, Gandhinagar - 382010

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

**A. Plan LayOut + Site Plan (PLL) Uploaded in XGN on 04/03/2023 11:24:10 from IP No: 163.116.205.121.**



**B. 10605-MPSEZ Utilities Ltd. (MUL) accepts the LEGAL responsibility**

**and undertakes that the furnished information is CORRECT & ACCURATE.**

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

# **Annexure – 7**

# CETP Logbook Sheet

MPSEZ UTILITIES LIMITED, MUNDRA											
INTEGRATED MANAGEMENT SYSTEM PROCEDURES MANUAL											
COMMON EFFLUENT TREATMENT PLANT (CETP)											
ASSET/ F/ 003						Location:		MUL - CETP			
						Date:		31/03/2023			
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	8.3	8.2	8.0		2.7	Energy Meter Reading in KWH	50283	50221	38		
12:00 PM	8.3	8.2	8.0		2.7	Sector-5 Inlet Flow meter in KL (F1)	314980	819079	91		
16:00 PM	8.3	8.2	7.9		2.7	MITAP Area Inlet flow meter in KL (F2)	447752	442432	680		
20:00 PM	8.4	8.3	7.9		2.7	Final Treated Water Outlet Flow meter (F3)	319483	320112	629		
30:00 AM	8.4	8.2	7.9		2.8	Mundra Village Sewage Flow Meter in KL (F4)	366180	366693	513		
4:00 AM	8.4	8.2	7.9		2.8	Fresh Water Consumption Flow meter (F5)	1040	1049	09		
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		
Sodium Hypochlorite	560	520	40 LTR		CETP Sludge	-	8.5	3.76			
Alum Solid	240	232	8 kg								
Anionic Polyelectrolyte	145	144	1 kg		Status of CEQMS	pH	TSS (mg/L)	COD (mg/L)	BOD (mg/L)	TOC (mg/L)	NH3-N (mg/L)
HCl	210	210	-		Value	7.91	3.40	95.11	38.14	7545	3.40
Name & Sign of Operator						Name & Sign of Incharge					
											

# **Annexure – 8**



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

**Manifest No:  
1873657  
29/10/2022**

**Copy 1**

**To be forwarded by To be forwarded by the occupier to the State Pollution Control Board or Committee.**

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.rajput@adani.com	<b>GPS Coordinates</b>	<b>Lat</b> :22.810370484726782 <b>Long</b> :69.70573116592713		
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@adani.com	<b>GPS Coordinates</b>	<b>Lat</b> :20.835086132403017 <b>Long</b> :70.68872052986723		
<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-Processsing	<b>Total Qty</b>	7.960MT	<b>Consistency</b>	Solid
Transporter Details					
<b>Name</b>	Sathi Enterprise	<b>Contact Details</b>	9723156786 nafisha786@gmail.com		
<b>Address</b>	New port road,Nr.omkar weight bridge District :Kutch East Taluka :Mundra				
Vehicle Details					
<b>Vehicle no</b>	GJ12BX8263 (IMEI No :358980100462036)	<b>GPS Enabled</b>	Yes	<b>Type of Vehicle</b>	Truck
<b>Driver name</b>	Altaf Kumbhar	<b>Driver Contact No</b>	9974180784		
Waste Transportation Details					
<b>Vehicle Depart.</b>	29/10/2022 6:00PM	<b>Number of Drums</b>	0	<b>Loose Waste</b>	7.960
<b>Remarks</b>	Chemical Sludge(CETP) of 7.960 MT sending for coprocessing at Ambuja cement plant Kodinar		<b>No of bags</b>	0	
<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:**

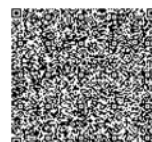
**Signature:**

By scanning QR code, copy of transporter will be display. (All copy has same information)

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Page 1 of 1







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

**Manifest No:**  
**1910169**  
**05/12/2022**

**Copy 1**

To be forwarded by To be forwarded by the occupier to the State Pollution Control Board or Committee.

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.rajput@adani.com	<b>GPS Coordinates</b>	<b>Lat</b> :22.810370484726782 <b>Long</b> :69.70573116592713		
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@adani.com	<b>GPS Coordinates</b>	<b>Lat</b> :20.835086132403017 <b>Long</b> :70.68872052986723		
<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>	8.490MT	<b>Consistency</b>	Solid
Transporter Details					
<b>Name</b>	Sathi Enterprise	<b>Contact Details</b>	9723156786 nafisha786@gmail.com		
<b>Address</b>	New port road,Nr.omkar weight bridge District :Kutch East Taluka :Mundra				
Vehicle Details					
<b>Vehicle no</b>	GJ12BX8263 (IMEI No :358980100462036)	<b>GPS Enabled</b>	Yes	<b>Type of Vehicle</b>	Truck
<b>Driver name</b>	Altaf Kumbhar	<b>Driver Contact No</b>	9974180784		
Waste Transportation Details					
<b>Vehicle Depart.</b>	05/12/2022 6:00PM	<b>Number of Drums</b>	0	<b>Loose Waste</b>	8.490
<b>Remarks</b>	Chemical Sludge(CETP) of 8.490 MT sending for coprocessing at Ambuja cement plant Kodinar		<b>No of bags</b>	0	
<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:**

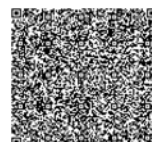
**Signature:**

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Page 1 of 1






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

**Manifest No:**  
**1992222**  
**27/02/2023**

**Copy 1**

To be forwarded by To be forwarded by the occupier to the State Pollution Control Board or Committee.

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>	<b>Lat</b> :22.810370484726782 <b>Long</b> :69.70573116592713		
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@adani.com	<b>GPS Coordinates</b>	<b>Lat</b> :20.835086132403017 <b>Long</b> :70.68872052986723		
<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>	8.540MT	<b>Consistency</b>	Solid
Transporter Details					
<b>Name</b>	Sathi Enterprise	<b>Contact Details</b>	9265965864 shiv.shakti35@yahoo.com		
<b>Address</b>	Jarpara,Jarpara District :Kutch East Taluka :Mundra				
Vehicle Details					
<b>Vehicle no</b>	GJ12BX8263 (IMEI No :358980100462036)	<b>GPS Enabled</b>	Yes	<b>Type of Vehicle</b>	Truck
<b>Driver name</b>	Dhanrajbhair	<b>Driver Contact No</b>	9925440024		
Waste Transportation Details					
<b>Vehicle Depart.</b>	27/02/2023 7:00PM	<b>Number of Drums</b>	0	<b>Loose Waste</b>	8.540
<b>Remarks</b>	Chemical Sludge(CETP) of 8.540MT sending for coprocessing at Ambuja cement plant Kodinar		<b>No of bags</b>	0	
<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:**

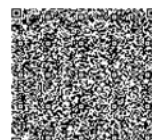
**Signature:**

By scanning QR code, copy of transporter will be display. (All copy has same information)

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Page 1 of 1



# **Annexure – 9**

Env Cell/MUL/CETP/EAR/2022-23/096

To,

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

23/02/2022  
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 01.04.2022 to 30.09.2022.

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

Dear Sir,

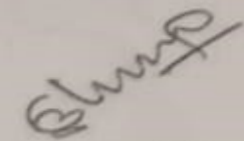
With reference to the above stated and reference, please find enclosed environmental audit report for the half year ending on 30<sup>th</sup> Sep, 2022. Fees for environment audit have already been done through e-payment on GPCB-XGN site and details of the same are as below.

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-22 to Sep-22
Transaction No.	:	YAXC1736199192, dated 15.02.2023
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 Receipt (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 -

# **Annexure – 10**

**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=890159,Kilo Litre=11102

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8986 / 454 / 1662 / 0

**9. Electricity consumed in PRODUCTION :** 1362944 **ETP/CETP :** 51250 **APCM :** 16286

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

**10. Fuel consumed during the month :** Coal,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 :** APCM

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=38.220,Co-Incineration Waste to other Industry=147.800,Trucks despatched=34

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	493.100-M.T	
FUE	LDO	ldo	85.399-KLT	
GAS		HCL	0.040-KGS	
GAS		NH3	20.770-KGS	
GAS		NOX	804.080-KGS	
GAS		PM	1239.050-KGS	
GAS		SO2	1038.040-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	1125.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	1450.600-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	541.000-M.T	
PRD	81422	tpt based titanates	632.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1875001-31/10/2022	GJ18AU9785-31/10/2022		Process Residue-28.1 8.680 MTS (28.1)
1875110-31/10/2022	PB13AL5707-31/10/2022		Salt of Ammonium Chloride 30.080 MTS (C2)
1873469-29/10/2022	GJ12BT2909-29/10/2022		empty barrel 33.3 2.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1873654-29/10/2022	GJ12AZ5012-29/10/2022		Chemical sludge from waste water treatment-34.3 16.350 MTS (35.3)
1872954-28/10/2022	GJ09AV2244-28/10/2022		DISTILLATION RESIDUE-36.4 16.940 MTS (36.1)
1868476-27/10/2022	GJ12BT2909-27/10/2022		Empty barrel-33.3 2.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1870795-22/10/2022	GJ15AT0822-22/10/2022		Process waste and Residue-28.1 18.575 MTS (28.1)
1869666-21/10/2022	GJ09AV3708-21/10/2022		Spent Catalyst - 35.2 17.130 MTS (35.2)
1868189-20/10/2022	GJ27TD9981-20/10/2022		PROCESS RESIDUE-28.1 8.450 MTS (28.1)
1868477-20/10/2022	GJ12BT2909-20/10/2022		Empty barrel-33.3 1.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1867641-19/10/2022	GJ01JT7271-19/10/2022		empty barrel-33.11 2.380 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1866410-19/10/2022	GJ03AT2447-19/10/2022	empty barrel-33.11 1.365 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1866403-18/10/2022	GJ12BT2909-18/10/2022	Empty barrel-33.11 2.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1866012-18/10/2022	GJ27TT2185-18/10/2022	Process waste-28.1 8.610 MTS (28.1)
1865520-17/10/2022	GJ12BY8704-17/10/2022	Salt of Ammonium Chloride 22.480 MTS (C2)
1865310-17/10/2022	GJ23Y5573-17/10/2022	Distillation Residue-36.4 16.580 MTS (36.1)
1865318-17/10/2022	GJ12BT9672-17/10/2022	EMPTY barrel-33.3 2.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1864912-17/10/2022	GJ12BT2909-17/10/2022	Empty drums and barrels-33.33 1.620 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1862588-14/10/2022	HR56A7365-14/10/2022	Salt of Ammonium Chloride 29.915 MTS (C2)
1862727-14/10/2022	GJ01DX8840-14/10/2022	PROCESS RESIDUE-28.1 9.870 MTS (28.1)
1850234-	HR56A7365-14/10/2022	Salt of Ammonium Chloride 29.915 MTS (C2)
1862156-14/10/2022	GJ03AT2447-14/10/2022	EMPTY DRUM-33.3 1.400 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1854461-12/10/2022	GJ12BT2909-12/10/2022	EMPTY DRUM-33.3 1.620 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1860629-12/10/2022	GJ21W3696-12/10/2022	Distillation Residue-36.4 16.880 MTS (36.1)
1860376-12/10/2022	GJ01JT7172-12/10/2022	EMPTY DRUM-33.3 3.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1859651-11/10/2022	GJ27TT2185-11/10/2022	PROCESS RESIDUE-28.1 9.220 MTS (28.1)
1859097-11/10/2022	GJ16AV4551-11/10/2022	MIXED SOLVENT-20.1 20.080 MTS (20.1)
1858929-10/10/2022	GJ12BT2909-10/10/2022	EMPTY DRUMS-33.3 1.530 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1856670-07/10/2022	RJ27GA9684-07/10/2022	Distillation Residue-36.4 17.130 MTS (36.1)
1856426-07/10/2022	GJ12BY8704-07/10/2022	Mixed solvent-20.1 19.810 MTS (20.1)
1854688-06/10/2022	GJ01JT7172-06/10/2022	Empty Barrel-33.3 3.910 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)



1854464-04/10/2022	GJ03AT2447-04/10/2022		Empty drums and barrel-33.11 1.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1854209-04/10/2022	GJ12BT2909-04/10/2022		Empty Barrel-33.3 1.640 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1852454-03/10/2022	GJ12BT0215-03/10/2022		chemical sludge from waste water treatment-34.3 21.870 MTS (35.3)
1853501-03/10/2022	GJ03AT2447-03/10/2022		EMPTY DRUMS-33.3 2.600 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 :** CER-122930,10/07/2027

**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=902039,Kilo Litre=11880

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 10142 / 382 / 1356 / 0

**9. Electricity consumed in PRODUCTION :** 1239652 **ETP/CETP :** 54540 **APCM :** 15768

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

**10. Fuel consumed during the month :** Coal,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 :** APCM

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=17.200,INC. Waste for Incineration=0.069,Co-Incineration Waste to other Industry=123.865,Trucks despatched=57

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	505.000-M.T	
FUE	LDO	ldo	86.706-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	18.560-KGS	
GAS		NOX	998.300-KGS	
GAS		PM	1427.680-KGS	
GAS		SO2	1260.220-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	912.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	1359.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	547.000-M.T	
PRD	81422	tpt based titanates	738.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1905524-30/11/2022	GJ12BT2909-30/11/2022		EMPTY DRUMS-33.3 1.630 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1905681-30/11/2022	HR56A8192-30/11/2022		Salt of ammonia chloride 22.780 MTS (C2)
1905123-30/11/2022	HR56B6082-30/11/2022		Salt of Ammonium Chloride 29.460 MTS (C2)
1904682-29/11/2022	GJ19X7523-29/11/2022		Distillation Residue-36.4 16.010 MTS (36.1)
1904597-29/11/2022	GJ12BT2909-29/11/2022		EMPTY DRUM-33.3 2.585 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1904100-29/11/2022	GJ12AW8795-29/11/2022		Salt of Ammonium Chloride 19.300 MTS (C2)
1904030-29/11/2022	GJ12AT9419-29/11/2022		Filter and Filter materials-35.1 waste name change filter and filter materials/contaminated cotton waste 0.069 MTS (35.1)
1903117-28/11/2022	GJ12BT2909-28/11/2022		EMPTY DRUM-33.3 2.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1903502-28/11/2022	HR65A8880-28/11/2022		Salt of Ammonium Chloride 28.905 MTS (C2)
1902373-27/11/2022	HR56B0451-27/11/2022		Salt of Ammonium Chloride 31.235 MTS (C2)
1901396-26/11/2022	GJ03AT2447-26/11/2022		Empty Barrel-33.3 2.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1900790-25/11/2022	HR56B7611-25/11/2022		Salt of ammonium chloride 30.755 MTS (C2)
1900565-25/11/2022	GJ12BT2909-25/11/2022		EMPTY DRUM-33.3 3.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1900188-25/11/2022	GJ01JT7271-25/11/2022		Empty Drums and Barrels-33.11 2.085 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1899457-24/11/2022	GJ12AU8694-24/11/2022		Salt of Ammonium Chloride 19.705 MTS (C2)
1899466-24/11/2022	HR56A7220-24/11/2022		salt of Ammonium chloride 29.865 MTS (C2)
1899367-24/11/2022	GJ12BT2909-24/11/2022		EMPTY DRUM-33.3 1.445 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1898068-23/11/2022	GJ03AT2447-23/11/2022		EMPTY DRUM-33.3 2.605 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1898338-23/11/2022	GJ12AW0585-23/11/2022		Distillation Residue-36.4 15.140 MTS (36.1)
1898258-23/11/2022	HR56B2243-23/11/2022		Salt of Ammonium Chloride 28.700 MTS (C2)
1898067-23/11/2022	GJ12BT2909-23/11/2022		Empty barrel-33.3 1.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1897400-23/11/2022	GJ12AT6168-23/11/2022		PROCESS RESIDUE-28.1 18.500 MTS (28.1)
1897190-22/11/2022	GJ12AT9419-22/11/2022		waste name change 34.3 Chemical Sludge from waste water treatment 17.200 MTS (35.3)
1896826-22/11/2022	GJ12BT2909-22/11/2022		EMPTY DRUM-33.3 1.590 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1897247-22/11/2022	GJ15YY8577-22/11/2022		Salt of Ammonium Chloride 19.480 MTS (C2)
1896731-22/11/2022	GJ12AW8795-22/11/2022		Salt of ammonium chloride- 19.835 MTS (C2)
1896068-21/11/2022	GJ15YY6177-21/11/2022		Salt of Ammonium Chloride 20.360 MTS (C2)
1894251-19/11/2022	PB13AL5707-19/11/2022		Salt of Ammonium Chloride 31.485 MTS (C2)
1893243-18/11/2022	GJ38T5926-18/11/2022		Empty Drums and Barrels-33.11 3.245 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1893062-18/11/2022	GJ18AU9785-18/11/2022		Process Residue-28.1 8.990 MTS (28.1)
1893378-18/11/2022	HR56B0451-18/11/2022		salt of ammonium chloride 31.595 MTS (C2)

1892369-18/11/2022	GJ12BW2540-18/11/2022		MIXED SOLVENT-20.1 20.000 MTS (20.1)
1892036-17/11/2022	HR56B7611-17/11/2022		Salt of Ammonium Chloride 30.125 MTS (C2)
1891069-16/11/2022	GJ27TT3593-16/11/2022		EMPTY DRUM-33.3 3.455 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1890969-16/11/2022	HR39C6437-16/11/2022		Salt of Ammonium chloride 27.625 MTS (C2)
1889606-15/11/2022	GJ12BT2909-15/11/2022		EMPTY DRUM-33.3 1.565 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1890056-15/11/2022	GJ12AU8694-15/11/2022		Salt of Ammonium Chloride 21.630 MTS (C2)
1890029-15/11/2022	GJ23Y5573-15/11/2022		distillation residue-36.1 17.280 MTS (36.1)
1889745-15/11/2022	GJ03AT2447-15/11/2022		EMPTU DRUM-33.3 1.405 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1888575-14/11/2022	GJ12BT2909-14/11/2022		EMPTY DRUM-33.3 2.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1888744-14/11/2022	GJ03AT2447-14/11/2022		EMPTY DRUM-33.3 2.585 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1885985-11/11/2022	HR56B2243-11/11/2022		Salt of Ammonium chloride 30.010 MTS (C2)
1884865-10/11/2022	GJ12BT2909-10/11/2022		empty drum-33.3 1.720 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1884862-10/11/2022	GJ27TT9810-10/11/2022		PROCESS RESIDUE-28.1 9.090 MTS (28.1)
1884053-09/11/2022	HR65A8880-09/11/2022		sait of ammonium chloride 26.240 MTS (C2)
1883559-09/11/2022	GJ21W3696-09/11/2022		Distillation Residue-36.4 16.190 MTS (36.1)
1883737-09/11/2022	GJ12BT2909-09/11/2022		EMPTY DRUMS-33.3 1.605 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1882510-08/11/2022	GJ03AT2447-08/11/2022		EMPTY DRUM-33.3 2.495 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1882514-08/11/2022	GJ12BT2909-08/11/2022		EMPTY DRUM-33.3 1.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1878912-04/11/2022	GJ27TT9810-04/11/2022		Process Residue-28.1 7.850 MTS (28.1)
1878134-03/11/2022	GJ19X1178-03/11/2022		Distillation Residue-36.4 15.320 MTS (36.1)

1877166-03/11/2022	GJ12AW8795-03/11/2022		salt of ammonium chloride 19.700 MTS (C2)
1877898-03/11/2022	HR56A9187-03/11/2022		Salt of Ammonium Chloride 23.130 MTS (C2)
1877630-03/11/2022	GJ12AW8795-03/11/2022		Salt of Ammonium Chloride 19.700 MTS (C2)
1877910-03/11/2022	GJ03AT2447-03/11/2022		EMPTY DRUM-33.3 1.155 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1877587-03/11/2022	GJ12BT2909-03/11/2022		Empty Barrel-33.1 2.905 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1875784-01/11/2022	GJ03AT2447-01/11/2022		EMPTY DRUM-33.3 1.400 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1875863-01/11/2022	GJ12BT2909-01/11/2022		EMPTY BARREL-33.3 1.345 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 :** CER-122930,10/07/2027

**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=913521,Kilo Litre=11482

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 9341 / 419 / 1722 / 0

**9. Electricity consumed in PRODUCTION :** 1191580 **ETP/CETP :** 55695 **APCM :** 16286

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

**10. Fuel consumed during the month :** Coal,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 :** APCM

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=59.885,Co-Incineration Waste to other Industry=332.015,Trucks despatched=106

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	519.700-M.T	
FUE	LDO	ldo	106.039-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	20.190-KGS	
GAS		NOX	1144.490-KGS	
GAS		PM	1574.180-KGS	
GAS		SO2	1391.200-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	789.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	1100.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	302.000-M.T	
PRD	81422	tpt based titanates	546.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1936049-31/12/2022	GJ12BT2909-31/12/2022		EMPTY DRUM-33.3 1.590 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1935109-30/12/2022	GJ12BT2909-30/12/2022		EMPTY DRUM-33.11 1.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1935212-30/12/2022	HR56A7220-30/12/2022		salt of Ammonium Chloride 29.990 MTS (C2)
1935045-30/12/2022	GJ27TD9981-30/12/2022		Process residue-28.1 8.720 MTS (28.1)
1935078-30/12/2022	RJ27GA9684-30/12/2022		Distillation Residue-36.4 14.610 MTS (35.2)
1935098-30/12/2022	GJ03AT2447-30/12/2022		EMPTY DRUM-33.3 1.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1935173-30/12/2022	RJ27GA9684-30/12/2022		Waste name change Spent catalyst-35.2 14.810 MTS (35.2)
1934130-29/12/2022	GJ27TT9810-29/12/2022		Process Residue-28.1 8.360 MTS (28.1)
1933933-29/12/2022	GJ03AT2447-29/12/2022		EMPTY DRUM-33.3 1.470 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1933889-29/12/2022	HR640017-29/12/2022		Salt of Ammonium Chloride 21.580 MTS (C2)
1934203-29/12/2022	GJ12AU8450-29/12/2022		salt of ammonium chloride 20.620 MTS (C2)



1933929-29/12/2022	GJ12BT2909-29/12/2022	EMPTY DRUM-33.3 3.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1932854-28/12/2022	PB13BN0373-28/12/2022	Salt of Ammonium Chloride 21.945 MTS (C2)
1933013-28/12/2022	GJ12BT5380-28/12/2022	Salt of ammonia chloride 18.320 MTS (C2)
1932818-28/12/2022	GJ12BT2909-28/12/2022	EMPTY DRUM-33.3 1.560 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1932820-28/12/2022	GJ03AT2447-28/12/2022	EMPTY DRUM-33.3 1.335 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1931593-27/12/2022	GJ19Y8666-27/12/2022	Process Residue-28.1 21.920 MTS (28.1)
1931724-27/12/2022	RJ02GA6130-27/12/2022	Distillation Residue-36.4 16.070 MTS (36.1)
1931719-27/12/2022	GJ12BT2909-27/12/2022	EMPTY DRUM-33.3 1.575 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1931990-27/12/2022	PB13AL5707-27/12/2022	salt of ammonium chloride 31.940 MTS (C2)
1930396-26/12/2022	HR645215-26/12/2022	Salt of Ammonium Chloride 21.335 MTS (C2)
1930622-26/12/2022	GJ12BT2909-26/12/2022	Empty Drums and Barrels-33.11 3.030 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1930935-26/12/2022	GJ12AT9419-26/12/2022	chemical sludge from waste water treatment 34.3 18.505 MTS (35.3)
1930892-26/12/2022	GJ27TD9981-26/12/2022	process waste 28.1 9.320 MTS (28.1)
1929234-24/12/2022	GJ12BT0251-24/12/2022	Chemical Sludge From Water Treatment-34.3 20.805 MTS (35.3)
1927974-23/12/2022	GJ27TT9810-23/12/2022	Process Residue-28.1 8.250 MTS (28.1)
1928244-23/12/2022	GJ12AU8450-23/12/2022	Salt of Ammonium Chloride 20.125 MTS (C2)
1928169-23/12/2022	GJ21W3696-23/12/2022	Distillation Residue-36.4 15.790 MTS (36.1)
1927876-23/12/2022	HR56A6168-23/12/2022	Salt of Ammonium Chloride 19.935 MTS (C2)
1926784-22/12/2022	GJ03AT2447-22/12/2022	EMPTY DRUM-33.3 2.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1927139-22/12/2022	HR56A8192-22/12/2022	Salt of ammonia Chloride 20.160 MTS (C2)

1926796-22/12/2022	GJ12BY8053-22/12/2022		Salt of Ammonium Chloride 19.890 MTS (C2)
1926882-22/12/2022	GJ12BT2909-22/12/2022		Empty Barrel-33.3 1.575 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1926876-22/12/2022	GJ01DX8840-22/12/2022		Process Waste-28.1 9.720 MTS (28.1)
1926944-22/12/2022	HR56B7611-22/12/2022		Salt of Ammonium Chloride 29.120 MTS (C2)
1926078-	HR56B7611-21/12/2022		Salt of Ammonium chloride 29.120 MTS (C2)
1925719-21/12/2022	GJ03AT2447-21/12/2022		EMPTY DRUM-33.3 1.340 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1924523-20/12/2022	GJ27TT9810-20/12/2022		PROCESS RESIDUE-28.1 9.420 MTS (28.1)
1924852-20/12/2022	RJ27GA9684-20/12/2022		Distillation Residue-36.4 13.300 MTS (36.1)
1924680-20/12/2022	GJ12BT2909-20/12/2022		Empty drums and Barrels-33.11 2.945 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1923819-19/12/2022	GJ12BT2909-19/12/2022		Empty barrels and Drums-33.11 1.525 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1923822-19/12/2022	GJ03AT2447-19/12/2022		Empty drums and Barrels-33.11 2.595 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1924025-19/12/2022	GJ12BW2540-19/12/2022		mixed solvent-20.1 19.955 MTS (20.1)
1923932-19/12/2022	GJ12AW8795-19/12/2022		salt of ammonium chloride 18.915 MTS (C2)
1922823-18/12/2022	DD01E9423-18/12/2022		Process residue-28.1 28.650 MTS (28.1)
1922222-17/12/2022	HR56A7220-17/12/2022		Salt of Ammonium chloride 30.645 MTS (C2)
1922191-17/12/2022	GJ27TD9981-17/12/2022		Process Waste-28.1 9.430 MTS (28.1)
1921240-16/12/2022	HR56B2243-16/12/2022		Salt of Ammonium Chloride 30.765 MTS (C2)
1920180-15/12/2022	GJ03AT2447-15/12/2022		EMPTY DRUM-33.3 1.350 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1920351-15/12/2022	RJ02GA6130-15/12/2022		distillation residue 36.1 16.900 MTS (36.1)
1920373-15/12/2022	GJ12BY8053-15/12/2022		salt of ammonium chloride 21.865 MTS (C2)

1920405-15/12/2022	GJ12BY2103-15/12/2022		sodium bi sulphide solution b-23 29.735 MTS (B23)
1919818-15/12/2022	PB13BN0373-15/12/2022		Salt of Ammonium Chloride 22.355 MTS (C2)
1918799-14/12/2022	HR645215-14/12/2022		Salt of Ammonium Chloride 21.800 MTS (C2)
1919125-14/12/2022	GJ12BT2909-14/12/2022		Empty Drums & Barrels-33.11 1.610 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1919357-14/12/2022	GJ12AU8450-14/12/2022		salt of ammonium chloride 20.215 MTS (C2)
1917894-13/12/2022	GJ01JT7271-13/12/2022		EMPTY DRUM-33.3 2.055 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1917844-13/12/2022	GJ12Z4646-13/12/2022		MIXED SOLVENT-20.1 13.886 MTS (20.1)
1917938-13/12/2022	GJ12BT2909-13/12/2022		EMPTY DRUMS-33.3 2.925 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1918181-13/12/2022	GJ03AT2447-13/12/2022		EMPTY DRUM-33.3 1.500 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1917858-13/12/2022	GJ15YY6177-13/12/2022		Salt of Ammonium Chloride 21.530 MTS (C2)
1918259-13/12/2022	GJ12Z4977-13/12/2022		MIXED SOLVENT-20.1 14.205 MTS (20.1)
1918284-13/12/2022	HR56B3810-13/12/2022		Salt of Ammonium Chloride 30.260 MTS (C2)
1917233-12/12/2022	GJ09AV9108-12/12/2022		Distillation Residue-36.1 16.990 MTS (36.1)
1917115-12/12/2022	GJ12BT2909-12/12/2022		EMPTY DRUM-33.3 2.885 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1916618-12/12/2022	HR56A6168-12/12/2022		Salt of Ammonium Chloride 20.935 MTS (C2)
1917123-12/12/2022	GJ12AW7831-12/12/2022		MIXED SOLVENT-20.1 15.016 MTS (20.1)
1916847-12/12/2022	GJ03AT2447-12/12/2022		EMPTY DRUM-33.3 1.375 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1916034-11/12/2022	HR56B6082-11/12/2022		Salt of Ammonium Chloride 34.490 MTS (C2)
1915926-11/12/2022	GJ19Y8666-11/12/2022		Process Residue-28.1 20.960 MTS (28.1)
1915048-10/12/2022	GJ12AT7188-10/12/2022		Mixed Solvent-20.1 13.386 MTS (20.1)

1915442-10/12/2022	HR640017-10/12/2022		Salt of Ammonium chloride 21.190 MTS (C2)
1915172-10/12/2022	GJ12BT2909-10/12/2022		EMPTY DRUM-33.3 2.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1914730-10/12/2022	DD01E9423-10/12/2022		Process Waste -28.1 30.970 MTS (28.1)
1913861-09/12/2022	HR56A7365-09/12/2022		Salt of Ammonium Chloride 29.525 MTS (C2)
1914573-09/12/2022	GJ12AT9418-09/12/2022		Chemical Sludge from Waste water treatment-34.3 20.575 MTS (35.3)
1914336-09/12/2022	GJ03AT2447-09/12/2022		Empty Drums-33.11 1.435 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1914279-09/12/2022	GJ12AW7831-09/12/2022		Mixed Solvent-20.1 13.706 MTS (20.1)
1913440-08/12/2022	GJ03AT2447-08/12/2022		EMPTY DRUM-33.3 1.335 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1913334-08/12/2022	GJ12AT8555-08/12/2022		Mixed solvent-20.1 14.591 MTS (20.2)
1913015-08/12/2022	GJ12AW8795-08/12/2022		Salt of Ammonium Chloride 20.170 MTS (C2)
1912322-08/12/2022	HR56B7611-08/12/2022		Salt of Ammonium Chloride 31.215 MTS (C2)
1912275-07/12/2022	GJ12BT2909-07/12/2022		EMPTY DRUM-33.3 1.610 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1912261-07/12/2022	GJ27TD9981-07/12/2022		Process Residue-28.1 9.410 MTS (28.1)
1912103-07/12/2022	GJ03AT2447-07/12/2022		EMPTY DRUM-33.3 2.485 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1911681-07/12/2022	GJ12AT7458-07/12/2022		Mixed solvent-20.1 14.836 MTS (20.1)
1911254-06/12/2022	GJ12AW7831-06/12/2022		MIXED SOLVENT-20.1 15.031 MTS (20.1)
1911395-06/12/2022	PB13AL5707-06/12/2022		salt of ammonium chloride 32.710 MTS (C2)
1911431-06/12/2022	GJ12AT7188-06/12/2022		mixed solvent 20.1 14.876 MTS (20.1)
1910374-05/12/2022	HR56A7220-05/12/2022		Salt of ammonium Chloride 30.285 MTS (C2)
1909985-05/12/2022	GJ03AT2447-05/12/2022		EMPTY DRUM-33.3 2.510 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1910311-05/12/2022	GJ09AV9108-05/12/2022		Distillation Residue-36.1 16.090 MTS (36.1)
1910123-05/12/2022	GJ12BT2909-05/12/2022		EMPTY DRUM-33.3 2.885 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1910284-05/12/2022	GJ09AV9108-05/12/2022		Distillation Residue-36.4 16.230 MTS (36.1)
1909577-05/12/2022	PB13BN0373-05/12/2022		Salt of Ammonium Chloride 22.995 MTS (C2)
1910038-05/12/2022	HR56B2243-05/12/2022		Salt of Ammonium Chloride 30.420 MTS (C2)
1909157-04/12/2022	HR645215-04/12/2022		Salt of Ammonium Chloride 23.770 MTS (C2)
1908627-03/12/2022	GJ12BT2909-03/12/2022		Empty Drum-33.3 1.625 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1907412-02/12/2022	GJ12BT2909-02/12/2022		EMPTY DRUM-33.3 3.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1907666-02/12/2022	GJ12AT7458-02/12/2022		Mixed solvent-20.1 15.186 MTS (20.1)
1907417-02/12/2022	GJ03AT2447-02/12/2022		empty drum-33.3 2.665 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1907773-02/12/2022	GJ19X1178-02/12/2022		Distillation Residue-36.4 16.650 MTS (36.1)
1907617-02/12/2022	HR56A6168-02/12/2022		Salt of Ammonium chloride 21.280 MTS (C3)
1907211-02/12/2022	GJ19Y7773-02/12/2022		Process Residue-28.1 21.410 MTS (28.1)
1906683-01/12/2022	GJ03AT2447-01/12/2022		Empty Barrels-33.11 0.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1906764-01/12/2022	GJ12AW9694-01/12/2022		salt of ammonium chloride 22.475 MTS (C2)
1906582-01/12/2022	HR56B3810-01/12/2022		Salt of Ammonium Chloride 31.535 MTS (C2)
1906597-01/12/2022	GJ12BT2909-01/12/2022		Empty Barrel-33.3 1.615 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1906568-01/12/2022	GJ01DX8840-01/12/2022		PROCESS WASTE-28.1 9.590 MTS (28.1)

**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 :** CER-122930,10/07/2027

**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=924702,Kilo Litre=11181

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8974 / 393 / 1814 / 0

**9. Electricity consumed in PRODUCTION :** 1105764 **ETP/CETP :** 44410 **APCM :** 16286

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

**10. Fuel consumed during the month :** Coal,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=18.330,Co-Incineration Waste to other Industry=253.260,Trucks despatched=61

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	490.500-M.T	
FUE	LDO	ldo	103.396-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	21.270-KGS	
GAS		NOX	1132.760-KGS	
GAS		PM	1503.220-KGS	
GAS		SO2	1354.760-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	683.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	1353.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	287.000-M.T	
PRD	81422	tpt based titanates	574.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1965332-31/01/2023	GJ12AT7188-31/01/2023		Mixed Solvent-20.1 12.826 MTS (20.1)
1965397-31/01/2023	GJ15AT8695-31/01/2023		Process residue-28.1 7.220 MTS (28.1)
1965150-31/01/2023	GJ12BT2909-31/01/2023		Empty Drums and Barrels-33.11 2.770 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1965238-31/01/2023	GJ03AT2447-31/01/2023		Empty Drum & Barrels-33.11 1.305 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1964933-31/01/2023	GJ12Z4646-31/01/2023		Mixed Solvent-20.1 14.406 MTS (20.1)
1964790-31/01/2023	GJ34T4569-31/01/2023		Process residue-28.1 28.920 MTS (28.1)
1964833-31/01/2023	GJ09AV3708-31/01/2023		Distillation residue-36.4 16.640 MTS (36.1)
1964170-30/01/2023	GJ12AT7552-30/01/2023		Mixed solvent-20.1 14.358 MTS (20.1)
1964355-30/01/2023	GJ12AW0671-30/01/2023		mixed solvent 20.1 13.953 MTS (20.1)
1963915-30/01/2023	GJ12BT2909-30/01/2023		Empty Drums and Barrels-33.11 1.570 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1963535-30/01/2023	GJ19X7523-30/01/2023		Distillation residue-36.4 16.990 MTS (36.1)

1962461-28/01/2023	HR56A7220-28/01/2023		Salt of Ammonium Chloride 29.790 MTS (C2)
1962318-28/01/2023	GJ03AT2447-28/01/2023		Empty Drums and Barrels-33.11 2.375 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1962426-28/01/2023	GJ12BT2909-28/01/2023		Empty drums and Barrels-33.11 1.510 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1959462-25/01/2023	GJ15AT8695-25/01/2023		Process Residue-28.1 7.220 MTS (28.1)
1959947-25/01/2023	GJ12AT7552-25/01/2023		Mix Solvent-20.1 14.165 MTS (20.1)
1959572-25/01/2023	GJ16AV3151-25/01/2023		Mixed solvent-20.1 18.505 MTS (20.1)
1959600-25/01/2023	GJ12Z4646-25/01/2023		MIXED SOLVENT-20.1 14.135 MTS (20.1)
1958591-24/01/2023	HR645215-24/01/2023		Salt of Ammonium Chloride 21.645 MTS (C2)
1958650-24/01/2023	GJ01JT7271-24/01/2023		EMPTY DRUM-33.3 2.035 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1954656-	GJ12AW9694-23/01/2023		MIXED SOLVENT-20.1 15.410 MTS (20.1)
1957622-23/01/2023	GJ23Y5573-23/01/2023		Waste Name Change i.e. Spent catalyst-35.2 17.040 MTS (35.2)
1954751-20/01/2023	GJ15AT8695-20/01/2023		Process Residue-28.1 7.420 MTS (28.1)
1954068-20/01/2023	GJ19Y7773-20/01/2023		PROCESS RESIDUE-28.1 25.190 MTS (28.1)
1953859-19/01/2023	PB13BN0373-19/01/2023		Salt of ammonium Chloride 21.590 MTS (C2)
1953621-19/01/2023	GJ12BT2909-19/01/2023		EMPTY DRUM-33.3 1.640 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1953611-19/01/2023	GJ03AT2447-19/01/2023		EMPTY DRUM-33.3 2.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1952216-18/01/2023	GJ19X1178-18/01/2023		Spent Catalyst-35.2 15.870 MTS (35.2)
1952208-18/01/2023	GJ03AT2447-18/01/2023		EMPTY DRUM-33.3 2.655 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1951240-17/01/2023	GJ03AT2447-17/01/2023		EMPTY DRUM-33.3 2.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1950307-16/01/2023	GJ03AT2447-16/01/2023		EMPTY DRUM-33.3 1.515 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)



1948461- 13/01/2023	GJ12AW0585- 13/01/2023		Spent Catalyst-35.2 15.050 MTS (35.2)
1948709- 13/01/2023	GJ03AT2447- 13/01/2023		Empty Drums-33.11 1.500 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1948570- 13/01/2023	HR56A7220- 13/01/2023		salt of ammonium chloride 28.670 MTS (C2)
1947559- 12/01/2023	GJ12BT2909- 12/01/2023		Empty Drums & Barrels-33.11 2.805 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1947570- 12/01/2023	GJ03AT2447- 12/01/2023		Empty Drums-33.11 1.505 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1947623- 12/01/2023	GJ12AT9415- 12/01/2023		Chemical Sludge From Waste treatment Plant-35.3 18.330 MTS (35.3)
1946973- 12/01/2023	GJ12BY2103- 12/01/2023		sodium bi sulphide solution B-23 27.650 MTS (B23)
1945462- 10/01/2023	HR645215- 10/01/2023		Salt of Ammonium Chloride 24.000 MTS (C2)
1945485- 10/01/2023	GJ12BT2909- 10/01/2023		Empty Drums and Barrels-33.11 1.530 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1945603- 10/01/2023	GJ03AT2447- 10/01/2023		Empty Drums and Barrels-33.11 1.530 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1944297- 09/01/2023	GJ23Y5573- 09/01/2023		Spent Catalyst-35.2 16.180 MTS (35.2)
1944327- 09/01/2023	GJ12BT2909- 09/01/2023		EMPTY DRUM-33.3 2.960 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1944475- 09/01/2023	GJ03AT2447- 09/01/2023		EMPTY DRUM-33.3 1.360 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1944064- 09/01/2023	PB13BN0373- 09/01/2023		Salt of Ammonium Chloride 23.075 MTS (C2)
1942819- 07/01/2023	GJ03AT2447- 07/01/2023		EMPTY DRUM-33.11 1.405 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1942822- 07/01/2023	GJ12BT2909- 07/01/2023		empty drum-33.3 1.750 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1941723- 06/01/2023	RJ27GC9431- 06/01/2023		Spent Catalyst -35.2 16.330 MTS (35.2)
1941865- 06/01/2023	GJ27TT9810- 06/01/2023		Process residue-28.1 8.950 MTS (28.1)
1941631- 06/01/2023	GJ19X1178- 06/01/2023		Distillation residue-36.4 16.520 MTS (36.1)
1940242- 05/01/2023	GJ19Y8666- 05/01/2023		Process Residue-28.1 22.150 MTS (28.1)

1940821-05/01/2023	HR56B7611-05/01/2023		Salt of Ammonium Chloride 31.870 MTS (C2)
1940526-05/01/2023	GJ12BT2909-05/01/2023		Empty Drums & Barrels-33.11 1.475 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1939514-04/01/2023	GJ12BT2909-04/01/2023		EMPTY DRUM-33.3 3.030 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1939651-04/01/2023	HR55R4775-04/01/2023		Salt of Ammonium Chloride 20.560 MTS (C2)
1939511-04/01/2023	GJ03AT2447-04/01/2023		EMPTY DRUM-33.3 2.510 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1938783-03/01/2023	HR56B0206-03/01/2023		salt of ammonium chloride 31.350 MTS (C2)
1938369-03/01/2023	GJ12BT2909-03/01/2023		EMPTY DRUM-33.3 2.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1938378-03/01/2023	GJ03AT2447-03/01/2023		EMPTY DRUM-33.3 2.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1937605-02/01/2023	GJ03AT2447-02/01/2023		EMPTY DRUM-33.3 1.360 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1937613-02/01/2023	GJ09AV9108-02/01/2023		Spent Catalyst-35.2 16.700 MTS (35.2)
1937250-02/01/2023	GJ01JT7271-02/01/2023		Empty Drums & Barrels-33.11 2.100 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 :** CER-122930,10/07/2027

**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=934502,Kilo Litre=9800

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8067 / 375 / 1358 / 0

**9. Electricity consumed in PRODUCTION :** 984368 **ETP/CETP :** 43020 **APCM :** 14732

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

**10. Fuel consumed during the month :** Coal,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=35.720,Co-Incineration Waste to other Industry=250.165,Trucks despatched=57

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	507.800-M.T	
FUE	LDO	ldo	74.884-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	19.910-KGS	
GAS		NOX	1143.000-KGS	
GAS		PM	1478.510-KGS	
GAS		SO2	1326.990-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	934.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	894.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	284.000-M.T	
PRD	81422	tpt based titanates	434.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1993331-28/02/2023	GJ15AT8695-28/02/2023		process waste 28.1 7.170 MTS (28.1)
1993005-28/02/2023	GJ12BT2909-28/02/2023		Empty barrel and Drum-33.11 3.110 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1992285-27/02/2023	PB13AL5707-27/02/2023		salt of ammonium chloride 32.250 MTS (C2)
1991680-27/02/2023	RJ02GA6130-27/02/2023		Waste name change Spent catalyst-35.2 16.150 MTS (35.2)
1991613-27/02/2023	GJ19X7523-27/02/2023		waste name change Spent catalyst-35.2 15.730 MTS (35.2)
1991842-27/02/2023	GJ03AT2447-27/02/2023		EMPTY Barrel-33.3 2.765 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1990371-25/02/2023	GJ03AT2447-25/02/2023		Empty drums & Barrels-33.11 2.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1990309-25/02/2023	GJ12BT2909-25/02/2023		Empty Barrel-33.3 1.655 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1989299-24/02/2023	GJ03AT2447-24/02/2023		Empty Drum-33.11 1.420 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1989291-24/02/2023	PB13BN0373-24/02/2023		Salt of Ammonium chloride 23.095 MTS (C2)
1989215-24/02/2023	GJ12BT2909-24/02/2023		Empty drums-33.11 1.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1989408- 24/02/2023	GJ15AT8695- 24/02/2023		process Waste-28.1 7.660 MTS (28.1)
1988039- 23/02/2023	GJ01JT7271- 23/02/2023		EMPTY DRUM-33.3 3.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1988017- 23/02/2023	GJ01JT7172- 23/02/2023		EMPTY DRUM-33.3 2.265 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1988003- 23/02/2023	GJ12AU9827- 23/02/2023		Salt of Ammonium Chloride 21.180 MTS (C2)
1987256- 22/02/2023	GJ21W3696- 22/02/2023		Spent Catalyst-35.2 16.890 MTS (35.2)
1987327- 22/02/2023	GJ12BT0152- 22/02/2023		Chemical sludge from water treatment Plant-35.3 15.635 MTS (35.3)
1986318- 21/02/2023	GJ01JT7271- 21/02/2023		empty drums 33.11 4.010 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1986108- 21/02/2023	HR56A9187- 21/02/2023		Salt of Ammonium Chloride 29.340 MTS (C2)
1984255- 20/02/2023	GJ15AT8695- 20/02/2023		Process Residue-28.1 7.060 MTS (28.1)
1985018- 20/02/2023	HR56A6168- 20/02/2023		Salt of Ammonium Chloride 20.010 MTS (C2)
1984942- 20/02/2023	GJ19X1178- 20/02/2023		Distillation Residue-36.4 16.480 MTS (36.1)
1982494- 17/02/2023	GJ21W3696- 17/02/2023		Distillation Residue-36.1 15.365 MTS (36.1)
1982424- 17/02/2023	HR645215- 17/02/2023		Salt of Ammonium Chloride 21.665 MTS (C2)
1981828- 17/02/2023	GJ12AU9695- 17/02/2023		Salt of Ammonium Chloride 19.850 MTS (C2)
1981461- 16/02/2023	GJ12AW7831- 16/02/2023		MIXED SOLVENT-20.1 14.961 MTS (20.1)
1981195- 16/02/2023	GJ12Z4646- 16/02/2023		MIXED SOLVENT-20.1 8.467 MTS (20.1)
1980376- 15/02/2023	GJ03AT2447- 15/02/2023		Empty Barrels-33.11 1.355 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1980138- 15/02/2023	GJ12AW8795- 15/02/2023		Salt of Ammonium Chloride 19.360 MTS (C2)
1978546- 14/02/2023	PB13BN0373- 14/02/2023		Salt of Ammonium Chloride 21.950 MTS (C2)
1979284- 14/02/2023	GJ12BT2909- 14/02/2023		EMPTY DRUM-33.3 1.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1978748-14/02/2023	GJ15AT8695-14/02/2023		Process Waste-28.1 6.980 MTS (28.1)
1977752-13/02/2023	GJ03AT2447-13/02/2023		EMPTY DRUM-33.3 1.420 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1977295-13/02/2023	GJ34T4569-13/02/2023		Process Residue-28.1 31.080 MTS (28.1)
1978045-13/02/2023	GJ21W3696-13/02/2023		Distillation Residue-36.4 16.650 MTS (36.1)
1975578-10/02/2023	GJ12AU9827-10/02/2023		salt of ammonium chloride 20.135 MTS (C2)
1975362-10/02/2023	GJ12BT2909-10/02/2023		Empty Drum & Barrel-33.11 1.610 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1975193-10/02/2023	GJ03AT2447-10/02/2023		Empty drums and Barrels-33.11 2.565 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1974103-09/02/2023	HR56A6168-09/02/2023		Salt of Ammonium Chloride 17.945 MTS (C2)
1974417-09/02/2023	GJ27TT2185-09/02/2023		Process Residue-28.1 8.970 MTS (28.1)
1973124-08/02/2023	GJ09AV3708-08/02/2023		Distillation Residue-36.1 16.280 MTS (36.1)
1972168-07/02/2023	HR56A7220-07/02/2023		Salt of Ammonium Chloride 30.125 MTS (C2)
1972144-07/02/2023	GJ27TT9810-07/02/2023		Process Waste-28.1 8.500 MTS (28.1)
1970989-06/02/2023	DN09U9179-06/02/2023		Distillation residue-36.4 16.030 MTS (36.1)
1970740-06/02/2023	HR645215-06/02/2023		Salt of Ammonium chloride 22.220 MTS (C2)
1969459-04/02/2023	GJ15AT8695-04/02/2023		Process Waste-28.1 7.320 MTS (28.1)
1968963-04/02/2023	GJ34T5269-04/02/2023		Process Waste-28.1 11.330 MTS (28.1)
1968569-03/02/2023	GJ12AT6462-03/02/2023		mix solvent 20.1 14.986 MTS (20.1)
1968448-03/02/2023	GJ12AT9419-03/02/2023		Chemical sludge from water treatment Plant-35.3 20.085 MTS (35.3)
1967989-03/02/2023	GJ09AV9108-03/02/2023		Distillation residue-36.4 16.120 MTS (36.1)
1967433-02/02/2023	GJ12AT7552-02/02/2023		Mixed solvent-20.1 14.301 MTS (20.1)

1966574-02/02/2023	GJ27TT2185-01/02/2023		Process waste 28.1 8.950 MTS (28.1)
1966295-01/02/2023	GJ01JT7271-01/02/2023		Empty Drums and Barrels-33.4 3.830 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1966520-01/02/2023	GJ12AT7006-01/02/2023		mix solvent 20.1 14.331 MTS (20.1)
1966083-01/02/2023	GJ12BT2909-01/02/2023		Empty drums & barrels-33.11 1.635 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1966292-01/02/2023	GJ12AU6012-01/02/2023		Mixed solvent-20.1 14.666 MTS (20.1)
1965872-01/02/2023	PB13BN0373-01/02/2023		Salt of Ammonium Chloride 22.655 MTS (C2)

**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 :** CER-122930,10/07/2027

**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=945110,Kilo Litre=10608

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 9211 / 252 / 1145 / 0

**9. Electricity consumed in PRODUCTION :** 986614 **ETP/CETP :** 51040 **APCM :** 16286

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

**10. Fuel consumed during the month :** Coal,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=21.015,Co-Incineration Waste to other Industry=170.530,Trucks despatched=65



Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	440.500-M.T	
FUE	LDO	ldo	62.164-KLT	
GAS		HCL	0.060-KGS	
GAS		NH3	22.360-KGS	
GAS		NOX	1105.690-KGS	
GAS		PM	1586.330-KGS	
GAS		SO2	1408.960-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	524.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	1082.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	332.000-M.T	
PRD	81422	tpt based titanates	454.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
2051889-31/03/2023	HR56B0451-31/03/2023		Salt of Ammonium Chloride 32.200 MTS (C2)
2052051-31/03/2023	GJ09AV2244-31/03/2023		Spent Catalyst-35.2 17.220 MTS (35.2)
2052015-31/03/2023	GJ18AX0303-31/03/2023		ETP Sludge 21.015 MTS (35.3)
2052010-31/03/2023	GJ12AU9695-31/03/2023		Salt of Ammonium chloride 20.000 MTS (C2)
2051058-30/03/2023	GJ12BT5380-30/03/2023		Salt of Ammonium chloride 19.190 MTS (C2)
2049973-29/03/2023	GJ12BT2909-29/03/2023		EMPTY DRUM-33.3 1.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2048611-28/03/2023	GJ01JT7172-28/03/2023		EMPTY DRUM-33.3 2.340 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2049052-28/03/2023	GJ12BY8704-28/03/2023		salt of ammonium chloride 31.095 MTS (C2)
2049032-28/03/2023	GJ12BW2540-28/03/2023		MIXED SOLVENT-20.1 19.785 MTS (20.1)
2048607-28/03/2023	GJ12BT9672-28/03/2023		EMPTY DRUM-33.3 3.055 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2048808-28/03/2023	GJ15AT8695-28/03/2023		process residue 28.1 7.620 MTS (28.1)

2047498- 27/03/2023	GJ12BT2909- 27/03/2023	EMPTY DRUM-33.3 3.080 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2047494- 27/03/2023	GJ12BT9672- 27/03/2023	EMPTY DRUM-33.3 3.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2047681- 27/03/2023	GJ21W3696- 27/03/2023	spint catalyst 17.950 MTS (35.2)
2045898- 25/03/2023	GJ12BT2909- 25/03/2023	empty drums 33.11 1.405 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2045893- 25/03/2023	GJ12BT9672- 25/03/2023	empty drums 33.11 1.710 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2044960- 24/03/2023	HR645215- 24/03/2023	solt of ammonium chloride 22.900 MTS (C2)
2044955- 24/03/2023	GJ12BT2909- 24/03/2023	empty drums 12.565 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2044924- 24/03/2023	GJ12BT9672- 24/03/2023	empty drum 1.625 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2044446- 24/03/2023	GJ15AT8695- 24/03/2023	Process Waste-28.1 7.610 MTS (28.1)
2043863- 23/03/2023	GJ12AU9695- 23/03/2023	salt of ammonium chloride 19.720 MTS (C2)
2043635- 23/03/2023	GJ12BT9672- 23/03/2023	EMPTY DRUM-33.3 1.390 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2043493- 23/03/2023	GJ01JT7271- 23/03/2023	EMPTY DRUM-33.3 3.620 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2042471- 22/03/2023	GJ12BT2909- 22/03/2023	EMPTY DRUM-33.3 1.530 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2041641- 21/03/2023	GJ12BT2909- 21/03/2023	Empty Barrel-33.3 3.050 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2040739- 20/03/2023	PB13BN0373- 20/03/2023	solt of amoniya chloride 22.825 MTS (C2)
2040516- 20/03/2023	GJ12AW0585- 20/03/2023	Spent Ctalyst-35.2 16.920 MTS (35.2)
2040349- 20/03/2023	GJ12AW0585- 20/03/2023	Waste Name change with Spent catalyst-35.2 16.915 MTS (35.2)
2040373- 20/03/2023	GJ12BT2909- 20/03/2023	Empty Barrel-33.3 1.355 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2040437- 20/03/2023	GJ15AT8695- 20/03/2023	PROCESS RESIDUE-28.1 7.730 MTS (28.1)
2037915- 17/03/2023	GJ12BT2909- 17/03/2023	EMPTY DRUM-33.3 2.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

2036456-16/03/2023	GJ01JT7172-16/03/2023	EMPRT DRUM-33.3 3.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2036427-16/03/2023	GJ01JT7271-16/03/2023	EMPTY DRUM-33.3 3.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2035766-15/03/2023	GJ12AU9695-15/03/2023	Salt of Ammonium chloride 18.660 MTS (C2)
2035803-15/03/2023	GJ21W3696-15/03/2023	Distillation Residue-36.4 15.330 MTS (36.1)
2034460-14/03/2023	GJ15AT8695-14/03/2023	PROOCES WASTE-28.1 7.070 MTS (28.1)
2034051-14/03/2023	GJ12BT2909-14/03/2023	empty drums 1.580 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2033584-13/03/2023	HR56B3810-13/03/2023	Salt of Ammonium Chloride 30.200 MTS (C2)
2033599-13/03/2023	GJ12BW2540-13/03/2023	Mix SOLveant-20.1 19.740 MTS (20.1)
2032999-13/03/2023	GJ12BT2909-13/03/2023	EMPTY DRUMS 33.3 1.565 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2031443-11/03/2023	GJ27TD9981-11/03/2023	Process Residue-28.1 8.910 MTS (28.1)
2031073-10/03/2023	GJ12AU9827-10/03/2023	salt of ammonium chloride 19.035 MTS (C2)
2030772-10/03/2023	GJ12BT2909-10/03/2023	EMPTY DRUM-33.3 3.095 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2029749-09/03/2023	GJ23Y5573-09/03/2023	SPENT CATALYST-35.2 14.310 MTS (35.2)
2029808-09/03/2023	PB13BN0373-09/03/2023	Salt of Ammonium Chloride 23.005 MTS (C2)
2030235-09/03/2023	GJ01JT7271-09/03/2023	Empty barrel-33.1 3.550 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2030136-09/03/2023	GJ12BT2909-09/03/2023	EMPTY DRUM-33.3 2.945 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2030178-09/03/2023	GJ12AW8795-09/03/2023	Salt of Ammonium Chloride 19.620 MTS (C2)
2029752-09/03/2023	GJ03AT2447-09/03/2023	EMPTY DRUM-33.3 1.315 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2028120-06/03/2023	GJ12BT2909-06/03/2023	EMPTY DRUM-33.3 3.130 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2028288-06/03/2023	GJ03AT2447-06/03/2023	empty drum-33.3 1.345 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

2028432-06/03/2023	GJ15AT8695-06/03/2023		Process Residue-28.1 6.900 MTS (28.1)
2027365-05/03/2023	GJ12BT2909-05/03/2023		EMPTY DRUM-33.3 1.550 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2027363-05/03/2023	GJ03AT2447-05/03/2023		EMPTY DRUM-33.3 1.315 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2026818-04/03/2023	GJ03AT2447-04/03/2023		EMPTY DRUM-33.3 1.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2026474-04/03/2023	GJ12BT2909-04/03/2023		EMPTY DRUM-33.3 1.445 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2026052-03/03/2023	GJ12BT2909-03/03/2023		Contaminated empty barrel-33.1 1.405 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2025927-03/03/2023	GJ12AW0585-03/03/2023		Distillation Residue-36.4 13.760 MTS (36.1)
2025935-03/03/2023	GJ15AT8695-03/03/2023		Process Waste-28.1 7.200 MTS (28.1)
2025867-03/03/2023	GJ01JT7271-03/03/2023		EMPTY BARREL-33.3 3.680 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2025758-03/03/2023	GJ03AT2447-03/03/2023		Empty barrel-33.3 1.490 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2024702-02/03/2023	GJ12BW2540-02/03/2023		Mix solvent-20.1 19.980 MTS (20.1)
2024534-02/03/2023	GJ12AU9695-02/03/2023		Salt of Ammonium Chloride 19.380 MTS (C2)
2024544-02/03/2023	GJ03AT2447-02/03/2023		Empty barrel-33.3 1.485 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1993940-01/03/2023	GJ12BT2909-01/03/2023		Empty barrel-33.3 1.640 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1993780-01/03/2023	GJ19Y8666-01/03/2023		Process Waste-28.1 22.950 MTS (28.1)

**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-124823,03/01/2030

**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=1138,Kilo Litre=1399

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 351 / 105 / 943 / 0

**9. Electricity consumed in PRODUCTION :** 1843000 **ETP/CETP :** 1031 **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	102.800-KLT	
GAS		Nox	18.100----	
GAS		Sox	22.000----	
PRD	48084	hygiene textiles	196.260-M.T	
PRD	48082	medical gowns	327.100-M.T	
PRD	48083	medical textiles	130.840-M.T	

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DIST : Kutch East, TAL : Mundra, SIDC : MITAP

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**4. CTEs No. & Date :** CEE-124823,03/01/2030

**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=1026,Kilo Litre=1026

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 195 / 112 / 719 / 0

**9. Electricity consumed in PRODUCTION :** 1401000 **ETP/CETP :** 1003 **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	52.100-KLT	
GAS		Nox	17.500----	
GAS		Sox	20.000----	
PRD	48084	hygiene textiles	136.190-M.T	
PRD	48082	medical gowns	226.980-M.T	
PRD	48083	medical textiles	90.790-M.T	

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Mundra SEZ Integrated Textile & Apparel ParkTal:  
Mundra, Dist: Kutch,  
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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-124823,03/01/2030

**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=3032,Kilo Litre=867

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 122 / 147 / 598 / 0

**9. Electricity consumed in PRODUCTION :** 716000 **ETP/CETP :** 1026 **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	43.100-KLT	
GAS		Nox	14.000----	
GAS		Sox	13.200----	
PRD	48084	hygiene textiles	62.270-M.T	
PRD	48082	medical gowns	103.790-M.T	
PRD	48083	medical textiles	41.520-M.T	

**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-124823,03/01/2030

**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=5310,Kilo Litre=1186

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 214 / 158 / 814 / 0

**9. Electricity consumed in PRODUCTION :** 1112000 **ETP/CETP :** 929 **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	47.000-KLT	
GAS		Nox	16.800----	
GAS		Sox	14.400----	
PRD	48084	hygiene textiles	124.410-M.T	
PRD	48082	medical gowns	207.350-M.T	
PRD	48083	medical textiles	82.940-M.T	



**1. Name & address of Industry :** Ahlstrom Munksjo Fibre Composites India P. Ltd (New Name),  
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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-124823,03/01/2030

**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=4124,Kilo Litre=1093

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 122 / 147 / 824 / 0

**9. Electricity consumed in PRODUCTION :** 1417000 **ETP/CETP :** 1032 **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	58.260-KLT	
GAS		Nox	17.800----	
GAS		Sox	1.320----	
PRD	48084	hygiene textiles	164.960-M.T	
PRD	48082	medical gowns	274.930-M.T	
PRD	48083	medical textiles	109.970-M.T	

**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-124823,03/01/2030

**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=6514,Kilo Litre=1204

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 286 / 96 / 822 / 0

**9. Electricity consumed in PRODUCTION :** 1749000 **ETP/CETP :** 1024 **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	61.900-KLT	
GAS		Nox	19.600----	
GAS		Sox	16.200----	
PRD	48084	hygiene textiles	201.020-M.T	
PRD	48082	medical gowns	335.040-M.T	
PRD	48083	medical textiles	134.020-M.T	

# **Annexure – 11**

**HEALTH CHECK UP**

Name : Sanjay Tivedi Profile : \_\_\_\_\_

Age / Sex : 41 / M Ref. by : \_\_\_\_\_

Date : 21/11/22 EmailID : \_\_\_\_\_

Complaints (if any) : \_\_\_\_\_

NAD

Known Disease HTN / DM / IHD / Arthritis / Hypothyroid / Any Other : \_\_\_\_\_

HTN

Present Medications : Molytelxio - OD

Hypersensitivity and drug : \_\_\_\_\_

Persnal History : Bowel : \_\_\_\_\_ Diet : Neg

Micturition : Normal Habits : Nil

Sleep : \_\_\_\_\_ Physical Activity / Exercise : Active

Appetite : \_\_\_\_\_

Past History (Up Past Medications): Tuberculosis / Jaundice / Blood Transfusion / Hospitalisation / Surgery:

NAD

Family History: HTN / DM / IHD / Stroke / Cancer / Asthma / Epilepsy / Others :

DM (Parents)

Vital Signs:

Height : \_\_\_\_\_ cms Weight : \_\_\_\_\_ kgs BMI : \_\_\_\_\_

Chest measurment : \_\_\_\_\_ cms Inspiration : \_\_\_\_\_ cms Expiration : \_\_\_\_\_ cms

Pulse : 88 /min BP : \_\_\_\_\_ mmHg.

132/82

# Adani Hospitals

Mundra

## General Examinations :

Skin : .....  
Sclera : ..... } Normal.  
Teeth and Gums : .....  
Puffiness of Face : Absent.

Nail : .....  
Pedal Oedema : ..... } Normal  
Lymphadenopathy : .....

## Respiratory System :

Air Entry : B/LAE (+)  
Br thing : Normal.  
Extra Sounds : (-)

## Cardiovascular System :

Heart : 6152 (+)  
Peripheral Pulsation : (+)

## Abdomen :

Contour : .....  
Tenderness : Soft, NonTender.  
Free Fluid : .....  
Liver / Spleen / Kidney / Lump : .....

## Central Nervous System :

Higher Function : .....  
Cranial Nerves : .....  
Motor System : .....  
Sensory System : .....  
Reflexes : .....  
NAD.

CONCLUSIONS : .....  
.....  
.....  
.....

RECOMMENDATIONS : Adm. D, Aachit - measure  
.....  
.....  
.....

FBP  
PPRS  
Kedu filty dry

# **Annexure – 12**

## Details of Greenbelt Development at APSEZ, Mundra

	Total Green Zone Detail till Up to March 2023				
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	72.29	34920.00	7962.00	69696.00	100646.00
PORT & NON SEZ	81.61	149359.00	19220.00	75061.78	62966.38
SEZ	115.70	226120.00	20489.00	220583.60	28162.03
MITAP	2.47	8113.00	33.00	3340.00	4036.00
WEST PORT	104.29	248074.00	66816.00	24112.00	16369.00
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.45	27530.00	3470.00	3882.00	3327.26
Samundra Township	58.26	63722.00	11834.00	23908.89	47520.07
Productive Farming (Vadala Farm)	0.00	0.00	0.00	0.00	0.00
<b>TOTAL (APSEZL)</b>	<b>457.99</b>	<b>775082.00</b>	<b>131156.00</b>	<b>425984.27</b>	<b>265148.18</b>
		<b>906238.00</b>			

# **Annexure – 13**



# Major Maint. Jobs at MUL CETP

Oct-22 to March-23



**In CETP all plants area lighting work  
done for proper illumination**

---



**CETP chlorination tank  
cleaning work**



# Modification : CETP MGF-ACF outlet unequal 110MM joints/fittings removed and replaced with 160MM.



**CETP online  
monitoring  
system and DO  
meter in  
aeration tank  
installation  
work done**

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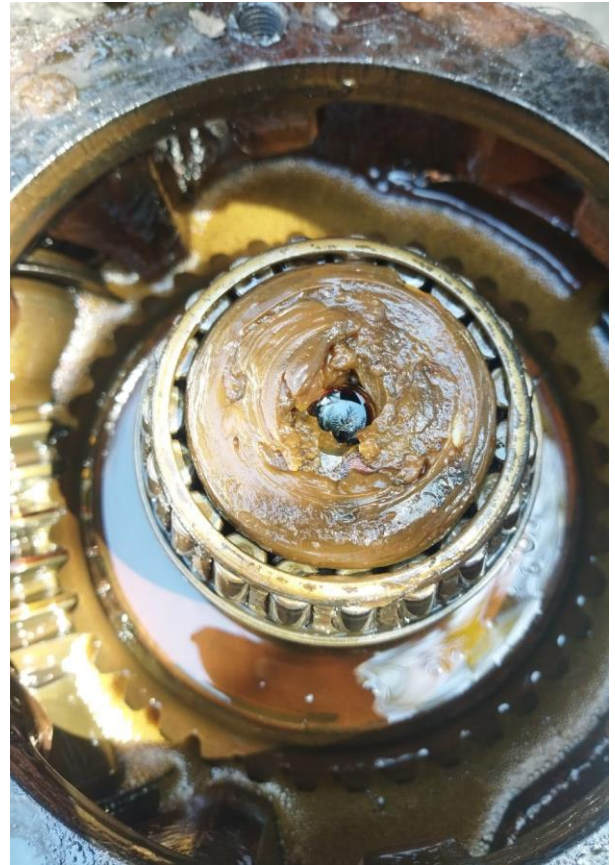






## HDPE pipeline repairing miscellaneous jobs





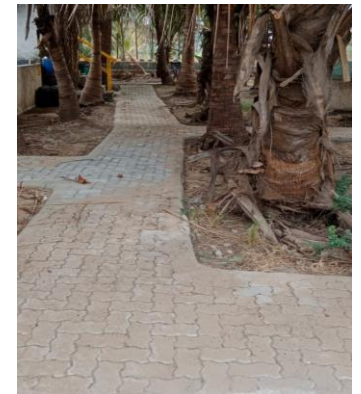
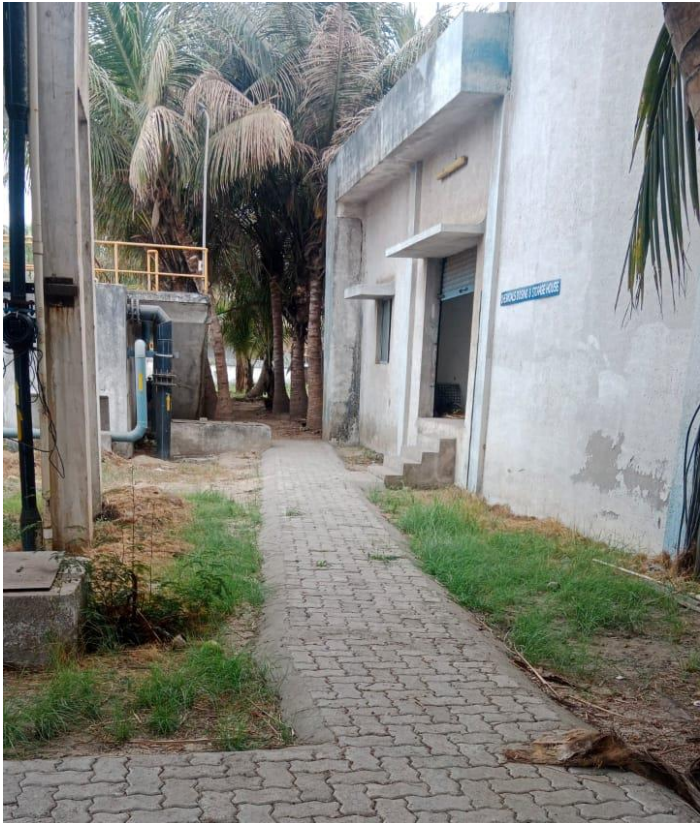
**Pump, motor, blower, gearbox  
routine PM work.**

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# CETP Paving work and walkways for smooth man movement







# CETP structure painting work



**CETP Laboratory furniture  
repairing/replacing work**

# **Annexure – 14**



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

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2020 - 21	2021 - 22	2022 - 23	2022 - 23
1.	Environmental Study / Audit and Consultancy	6.2	6.82	7.32	11.05
2.	Legal & Statutory Expenses	10.58	10.52	12.32	12
3.	Environmental Monitoring Services	19.17	14.31	15.32	33
4.	Hazardous / Non-Hazardous Waste Management & Disposal	83.55	107.09	104.035	127.72
5.	Environment Days Celebration and Advertisement / Business development	5.3	4.04	2.53	8.00
6.	Treatment and Disposal of Bio-Medical Waste	2.09	2.14	2.29	2.04
7.	Mangrove Plantation, Monitoring & Conservation	32.59	53.6	50.0	50.0
8.	Other Horticulture Expenses	689	921	956	979
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	148.49	252.27	141.33	164.46
10.	Expenditure of Environment Dept. (Apart from above head)	89.11	149.8	90.136	75.79
<b>Total</b>		<b>1086.08</b>	<b>1371.79</b>	<b>1381.28</b>	<b>1463.06</b>

# **Annexure – 15**

# Annual Report 2022-23

**CSR** Kutch

*Adani Foundation*

*Adani House, Port Road, Mundra – Kutch 370 421*  
*[[info@adanifoundation.com](mailto:info@adanifoundation.com)] [[www.adanifoundation.com](http://www.adanifoundation.com)]*



## Our Journey by Mr. Rakshit Shah Executive Director APSEZ

The year 2022-23 has passed off with motivation through recognition by ASSOCHAM for health care awards which shows courage to work for the commitment given to the community. It is necessary that sustained growth is achieved at rural level along with the industrial development. This can be made possible by involving more and more people in the rural development programme.

Since beginning, The Adani Foundation Mundra is committed to the cause of the deprived and underprivileged. It has been working relentlessly across 6 Talukas, covering 92 villages, to uplift the lives of more than 60,000 families with a multi-faceted approach.

This year conceded with more streamline and scalable project of Education i.e. Utthan – to enhance primary education of 70 schools of Mundra including 8 High Schools, milestone achievement in Fisherman amenities project by Providing skill and livelihood to 34 fisherfolk youth, 225 Homebiogas with partnership approach with objective to reduce chemical fertilizer usage in seven villages of Mundra , considerable impact created by Mangroves Biodiversity projects and new era defined in agriculture projects i.e. Super Napier, dates offshoots and Dragon Fruit Cultivation

Gram Bharti has proved a benchmark platform for Self help groups at PAN India which is true support with promoting skill & sustainability. Massavie Tree plantation drive “Vriksh Se Vikas” initiated with aim of plantation 1 Lac Trees in Mundra Taluka in upcoming year.

Jyoti ben Tank – one of the best women farmer of Mundra awarded by “Amazing Indian Award by Vice President of India”. District Animal Welfare Department recognized Adani Foundation for best contribution during Lumpy outbreak.

The people of Kutch have generously supported the activities carried out by the Adani Group or else this wouldn't have been possible. Their determination, understanding and commitment have strengthened the development even more.

Our Achievement would not be possible without the ultimate support by Mr. Gowda (COO, AF), Mr. V S Gadhvi, Executive Director – AF, Ms. Shilin R Adani (Managing Trustee) **and generous faith and passionate support by Dr. (Mrs.) Priti G Adani, Chairperson- Adani Foundation**



# index

CSR Kutch	
Environment Sustainability	5
Education	14
Sustainable Livelihood Projects	25
Community health Project	41
Community Infrastructure Development	45
Community Resource Center-CRC	48
Adani Skill Development –Bhuj	51
Dignity of Work Force Program – EVP	55
CSR Tuna	59
CSR Abdasa	61
Community Speaks	62
Events and Day Celebration	71
Awards and Accolades	81
Beneficiaries Count	83
Budget Utilization	84
Media Coverage	85



# CSR KUTCH

## Demographic Details

Block	Villages	No. of HHs	Population
Mundra	61 Village and 9 Fishermen Vasahat	35192	153179
Anjar	3 Villages	4350	18500
Nakhtrana	8 Villages	4093	16373
Bite – Abdasa	12 Villages	2415	9660

1. Adani Ports and SEZ Limited
2. Adani Power Mundra Limited
3. Adani Wilmar Limited
4. Adani Wilmar – Caster Limited
5. Kutchh Copper Limited
6. Mundra Solar Panel Making Unit
7. Green to PVC Mundra Limited
8. Adani Kandla Bulk Terminal Port Pvt Limited
9. Adani Solar Limited – Bitta, Abdasa
10. Adani Green Energy Limited – Nakhatrana
11. Adani Cementation Limited – Lakhpat
12. Adani Transmission Limited – Mandvi

# ENVIRONMENT SUSTAINABILITY PROJECTS



# ENVIRONMENT SUSTAINABILITY

Environmental sustainability is the responsibility to conserve natural resources and protect global ecosystems to support health and wellbeing for present and future. These components are closely interrelated and mutually re-enforcing Under Corporate Environmental responsibility.

To make connections between human actions Environment & biological diversity found within a habitat and/or ecosystem, Adani Foundation executing various Project i.e. massive tree plantation drive, Mangroves, biogas provision, forest development and drip irrigation

**Biodiversity conservation:** to preserve biodiversity and Natural Resources.

**Regenerative capacity:** Protect the depletion of natural resources and keep the harvest rate of renewable resources within the capacity of regeneration.

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





# REDUCING CARBON FOOTPRINT

## 1. Miyawaki – Nana Kapaya

Miyawaki- Dense Plantation is developed in year 2021-22 at Nana Kapaya Village in 2.0 acre land. Miyawaki plot is very close to sewage water tank so watering to plantation by the same. From current year GP has taken ownership for monitoring and watering.

Plantation of 5880 saplings of different 42 species is completed which will result in dense forest due to good rain this year.

## 2. Smritivan Memorial park– Bhuj

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.

Adani Foundation has supported for 47000 saplings in Smriti van @ 100 Lacs INR.





# REDUCING CARBON FOOTPRINT

With a vision to Enhance the diversity of mangrove and its associated species in suitable coastal region of Kachchh, which in turn would enhance the faunal diversity and fishery resources of the area by providing suitable habitats and breeding ground. The ultimate aim of the project is to improve overall coastal biodiversity of the region which in turn assist in improving the livelihood of the coastal populace

Total five mangrove species, such as *Ceriops*, *Aegiceras* and *Rhizophora* were selected which in turn enhanced the dependent faunal diversity of the area. Thereby, there will be an increase considerable biodiversity of the area. **The initial pilot trails were undertaken in an area of approximately 16 hector during the period between 2019 and 2023 with the active participation of local communities.** Current year 4 Hector plantation is in progress which will be resulted in 20 Hector Mangroves Biodiversity Park within one year

S. NO	Mangrove Associate	Life form
1	<i>Suaeda</i> Spp.	Herb
2	<i>Porteresia coarctata</i>	Herb
3	<i>Opuntia elatior</i>	Shrub
4	<i>Sesuvium portulacastrum</i>	Herb
5	<i>Ipomoea biloba</i>	Climber
6	<i>Salvadora persica</i> L.	Shrub
7	<i>Urochondra setulosa</i>	Herb



# REDUCING CARBON FOOTPRINT

Home biogas is the Israel based company was founded in 2012 manufactures dynamic biogas unit not only for farm waste but for kitchen waste too. Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers periphery Villages.

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

Till date 225 farmers are utilizing it with satisfaction and considerable outcome by saving Average Rs. 23,400 for gas and fertilizer as well – with Economic benefit of Rs. 52.65 Lacs.

100 Farmers are linked up with Gobardhan Yojana in which DRDA is providing Biogas with Rs. 5000 Contribution. Adani Foundation has worked as a facilitator between DRDA and Beneficiaries farmers in filling and submission of forms. Total 325 farmers are supported with Biogas as sustainable environment protection



**4,176** TONS OF ANIMAL MANURE TREATED

**359,687** HOURS OF CLEAN COOKING;  
**9.3** TONS OF BIOGAS CREATED  
**325** TONS OF FIREWOOD REPLACED;

**47,375** HOURS SAVED ON REDUCTION OF  
FIREWOOD & COLLECTION  
**1225** TONS CO2 EMISSION REDUCTION



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



# REDUCING CARBON FOOTPRINT

## 5. Water Conservation Project - CSR

Since 10 years considerable Water Conservation Work carried out in Mundra Taluka. Due to satisfactory rain in current year 1.11 mtr ground water table increased in coastal belt of Mundra as per Government Figures. Our water conservation work is as Below.

- Large number of water harvesting structure ( 18 Nos. of check dams in coordination with salinity department) and Augmentation of 3 check dams
- Ground recharge activities (pond deepening work for 61 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers
- New Pond Deepening Under Ajadi ka Amrut Mahotsav done in Goyarsama village. Approx Deepening Capacity is 12000 Cum.
- Roof Top Rain Water Harvesting 145 Nos. **(40 Nos current year)** which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 208 Nos which is best ever option to direct recharge the soil
- Drip Irrigation approx. 1505 Farmers benefitted in coordination with Gujrat Green Revolution Company till date
- Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which bore well depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar.
- **Check dam gate valve construction at Bhujpur which controlled more than 350 MCFT water to go into sea and get recharged current year.**
- **Pond Pipe line work at Prasla Vistar Zarpara which increase recharge capacity more than 25% in 100 hector area.**



# REDUCING CARBON FOOTPRINT

- **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 hectares.
- 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.





# Water conservation and Management

## Process Flow for Rooftop Rain Water Harvesting System



Social Survey & TDS mapping



Community Contribution



RRWHS



Impact

- Portable water at door step
- Cost saving for portable water
- Improved water quality with
- Creates water conservation awareness in rural community
- Improves standard of living of rural community

Total RRWHS :- 145

RRWHS Constructed in 2022-23 :- 40

Population Impacted :- 500+

Savings per household :- 10000+

TDS difference between Ground water and RRWHS water



# REDUCING CARBON FOOTPRINT

## 6. Tree Plantation

Till the date 70,540 Tree have been planted at various Public places , Schools, GP and crematorium with their responsibility to nurture and maintain regularly.

For this passionate work our team Member Mr. Karshan Gadhvi was Felicitated with Van Mitra Award by Forest department and GOG.

Adani Foundation has planted 1100+ fruit bearing trees at Bhujpur and 2100+ neem, pipal and native spices at Dhrub in coordination with District Forest Department and community with partnership approach





# EDUCATION





# PROJECT UTTHAN





# PROJECT UTTHAN

The Adani Foundation set out an innovative intervention in year 2018–19 through project Utthan to improve students' learning capabilities, provide facilities to schools to improve environment and achieve better learning outcomes at the grassroots level with the help of Utthan sahayak. This extensive intervention involves adopting government primary schools, tutoring Priya Vidyarthi's (progressive learners), introducing English as a Third Language, with various academic activities as well co-curriculum activities to end the dropout rates, and working together for staff capacity building. In order to improve children' basic literacy and numeracy skills, it has also engaged the help of educators and parents, especially mothers.

## Key Aspect of Project Utthan

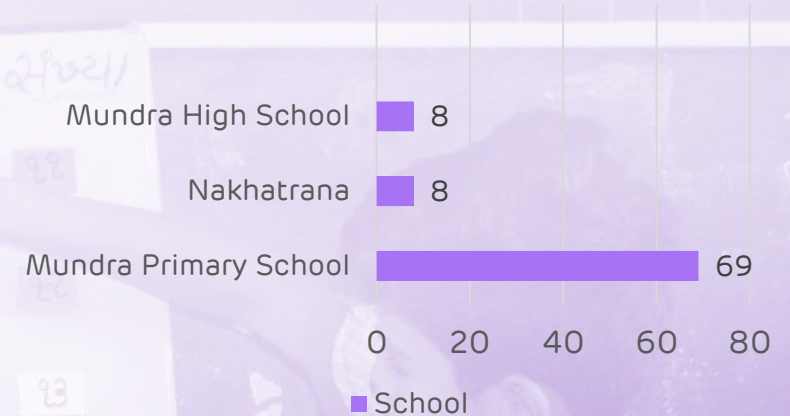
- ✓ Adopting government primary schools.
- ✓ Main streaming Progressive learners
- ✓ Enhancing Learning Outcomes
- ✓ Arresting dropout rates
- ✓ Introducing English as a Third Language
- ✓ Enabling Joyful Learning Spaces
- ✓ Collaborating for teachers' capacity building

Gunotsav is a quality enhancement initiative of the Government of Gujarat for bringing about improvement in learning levels of students at Elementary level

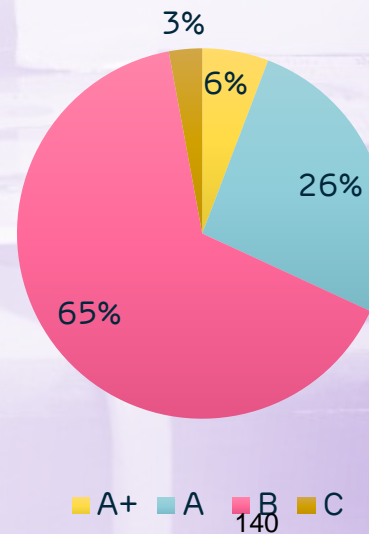
Assessment is based on four core areas :

- ✓ Teaching learning outcomes
- ✓ School management
- ✓ Co-Scholastic activities
- ✓ Usage of resources.

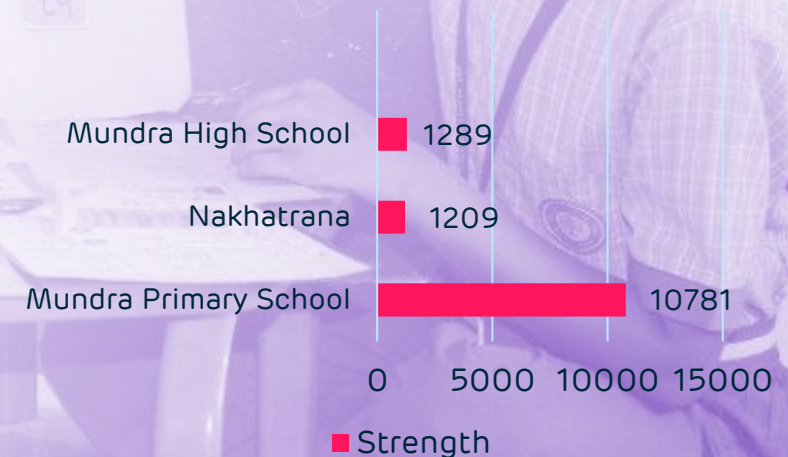
## Utthan Schools in Kutch



## Gunotsav 2021-22 (Kutch) : An Affirmation on Utthan Schools



## No's of Students in Kutch



# PROJECT UTTHAN



Conduct baseline assessment of 7034 Students, 3364 Students were progressive learner, 1403 Students mainstreamed.

Location	Total Strength	Baseline Assessment	Progressive learner	Mainstream Students
Mundra	10799	6047	3029	1247
Nakhatrana	1267	987	335	156

Facilitating English from Classes 1-4 : 7500 + are taking the advantage of this intervention.

## Cultivating Reading Culture

Introduced DEAR (Drop Everything and Read) period on every first and third Saturdays for an hour; Library activities on every Second & fourth Saturdays.



Year 2020-21

22890 books

Year 2021-22

60780 books

Year 2022-23

110205 books



# PROJECT UTTHAN



## IT on Wheels : 2 Dedicative Van, 55 Laptops Empowering 2620 Students of 5-8 Std. In Gujarat

IT on wheel program is run to teach them basic emphasizes elementary school 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. Customize basic syllabus impede their development.

## Day Celebration every Month : Summer Camp & Diwali Mela in Vacation

Every month Utthan sahayak celebrates day in which encourage students to

participate in co-curriculum Activity which create opportunity to learn and experience new things. Also planned 15 days Summer camp & 10 days Diwali mela during vacation. 2800+ students participated with more than 4000 handmade traditional products, 3500+ footfalls during exhibition cum sale. Diwali mela attracted 7363 students. That included 12 Activities, 28529 Total Expenses & 37529 earn students. Sarpanch, SMC members, Mothers, and Parents all take part enthusiastically.

## Competitive exam Preparation

Location	JNV	NMMS	PSE
Mundra	227	324	347
Nakhatrana	23	48	48

## 500+ Mothers meet with 11000+ Mothers

Every month, on the Fourth Saturday, Utthan Sahayaks conduct Mothers meets. A child grows a most during the first few years of school, when both the mother and the teacher are crucial in developing their character and personality. Many of the kids are first-generation learners with uneducated parents; in these circumstances, Mother's Meet encourages mothers and teachers in working together to support the education of the child. Also, mothers get a sense of empowerment and value and regularly updates on school activities. Recreational activities during the meeting add an element of surprise and rejuvenation among the Mothers.





# PROJECT UTTHAN

## International School Library Month (ISLM)

ISLM (International School Library Month) was celebrated by 69 Utthan schools. And school from Russia joined with us in zoom to engage under the virtual connection around the world.

Students from Samaghogha School No.1 performed Garba, while students from Vandh school gave information about library activities. Bookmarks' & Digital bookmarks were distributed with partner schools. This is continuing, 3<sup>rd</sup> time Utthan schools participated in ISLM.

## Signed MoU with 18 more Government Primary Schools at Mundra

## Signed MoU with 8 Government High Schools : 8 Village 8 High Schools, 2 Adani Education Evening Center

To overcome challenges of High schools and improve the quality of education, Utthan appointed 2 Utthan sahayak at High schools. 1 for Science/Math's & 1 for English as most of the students facing problems in this subjects. Utthan organized a Parents Teachers Meeting at 8 schools in 8 villages, there were over 450 parents gathered.

After school, children get the opportunity to study at three levels at the Adani Education Evening Center. (AEEC) Remedialcoaching.



Project Title	Participation of Utthan School	Partner Schools	Partner Countries
Bookmark	51	63	08
Digital Bookmark	37	78	10
Virtual Connection Around the World	10	10	09
Total	98	151	27



# PROJECT UTTHAN

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

- ✓ Project Utthan has been studied and selected as 'University Practice Connect' by Azim Premji University, Bengaluru.
- ✓ Project is in alignment with NIPUN Bharat (National Initiative for Proficiency in Reading with Understanding and Numeracy Bharat Program) & FLN (Foundational Literacy & Numeracy)
- ✓ Navneet e-Sense software updated in all schools.
- ✓ 100 hours capacity building programs for Utthan sahayak and school Teachers. specially focusing on Foundational Literacy and Numeracy. Utthan sahayak attend CBP (Capacity building program) once in every month.
- ✓ 100% participation in 100 days reading campaign.
- ✓ Google Map : All Utthan schools added in Google map. Utthan sahayak upload photos continuously. that's uploaded Photos got 200k+ views.
- ✓ Utthan sahayak create content for Reading, Writing & Numeracy.
- ✓ Utthan sahayak create 150 Worksheets on Yoga In the run-up to India's 75th Independence day celebrated across India's Azadi Ka Amrit Mahotsav. The tour covers 75 heritage, tourist and archaeological sites and landmark architectural sites across Gujarat.
- ✓ Utthan Sahayak, Hetalba Vaghela encouraged students from Mokha Primary School to write the story. Saptahik Phulwadi, Ahemdabad published the story written by student.
- ✓ TLM, Sports, Music & Science kit distributed to create joyful environment.
- ✓ Inter school competition organized to encourage physical activity & develop talent.
- ✓ Utthan sahayak encouraged & trained students in various competition organized by GoG.



# EDUCATION PROJECT

## Adani Vidya Mandir, Bhadreshwar



**EDUCATION: FREE AND COMPULSORY** - 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. **507 underprivileged students of Fisherman & Maldhari communities from 8 villages benefitted costfree education at the school**

Teachers Day Celebration with facilitation of all teachers and awarded 5 best teachers in academics. District Education Officer Mr. Prajapati graced the occasion and motivated the staff.

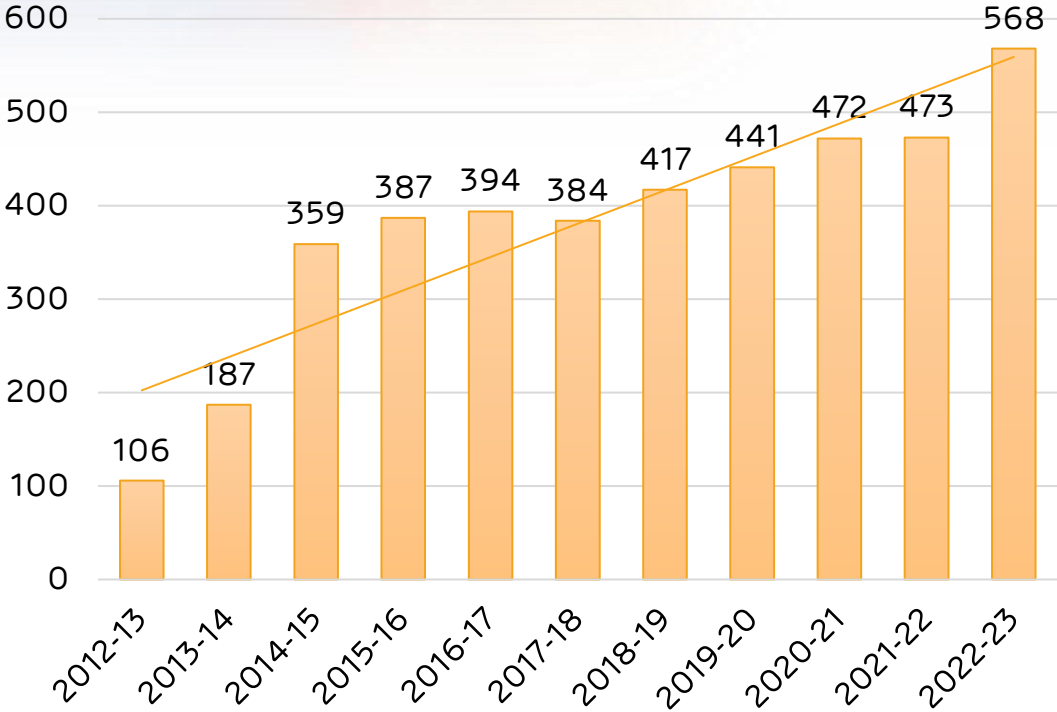
# ADANI VIDYA MANDIR, BHADRESHWAR



milestone achievement of Adani Vidya Mandir Bhadreshwar Gujrat Board Standard 10<sup>th</sup> Examination Result is 100%.

- The grand celebration of the year 2022-23 at AVMB was Shri Gautam Adani sir's Birthday.
- Promoting the harmony across all communities, Special Assemblies are conducted on a regular basis where all the Festivals irrespective of the religion & following are fondly celebrated.
- Periodical assessments and evaluations are conducted for the students and their progress are informed to the parents frequently.

Total Strength



Adani Vidya Mandir Bhadreshwar		
2021-22 (10 <sup>th</sup> Board)		
NO	GRADE	STUDENTS
1	Above 80 %	3
2	60-80%	18
3	40-60%	10
	TOTAL	31
	Result	100%



# PROJECT UDAAN

**Vision :** To create a pool of inspired young mind

**Mission :** To motivate young students to dream big



Udaan is a special project inspired by the life changing story of Mr. Gautam Adani. As a child, he had visited the Kandla port in Gujarat, and after looking at the expanse of the port, he dreamt of having his own port one day. The rest is history. Under this project exposure tours are organized where school students are given a chance to visit the Adani Group facilities such as Adani Port, Adani Power and Adani Wilmar refinery at Mundra to get an insight into the large-scale business operations and thus get inspired to dream big in life. The exercise stimulates the young minds to dream big and help them become entrepreneurs, innovators and achievers of tomorrow, and thus play an active role in the process of nation building

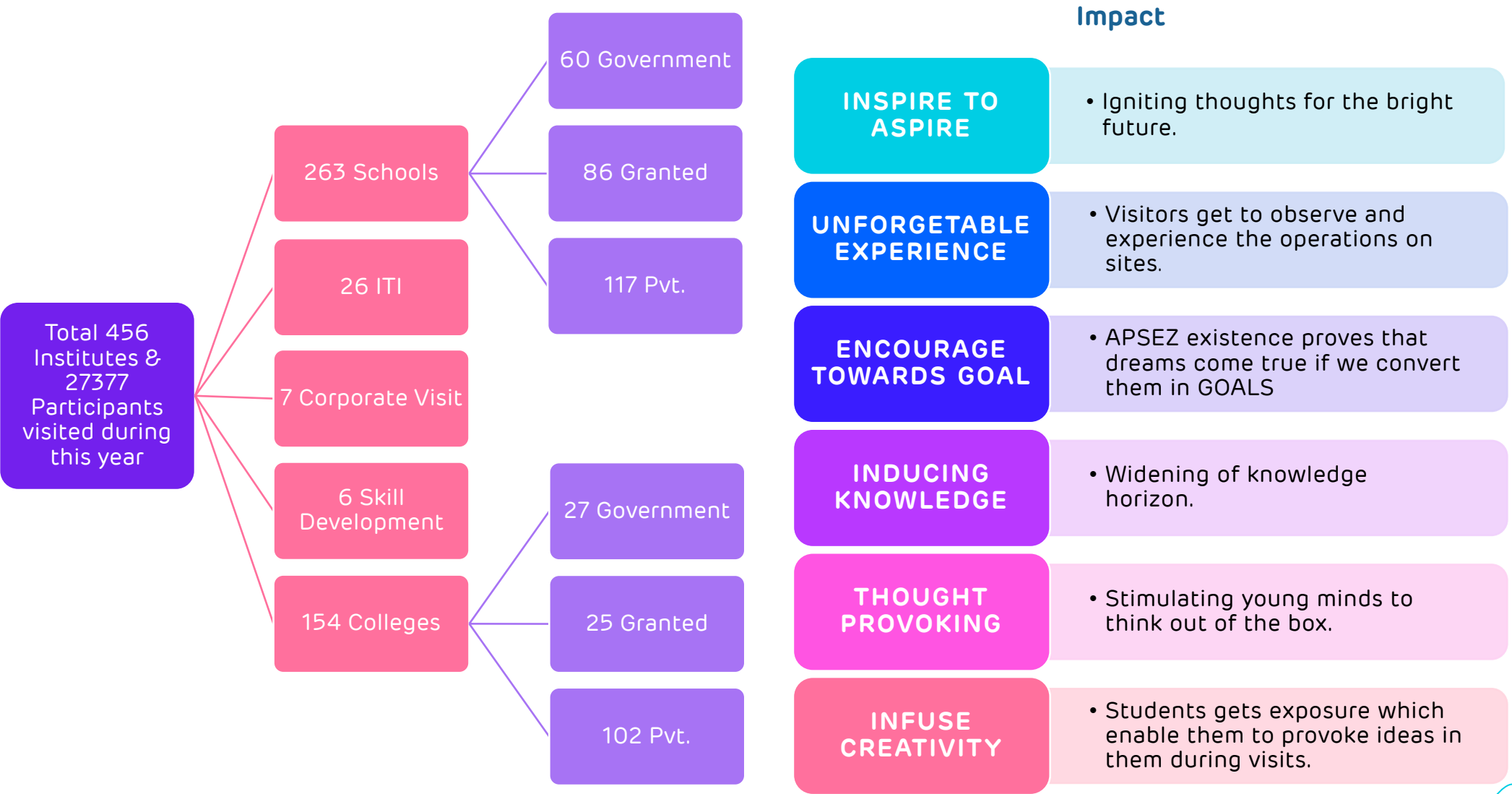
Adani Foundation, Udaan Project invited the members of self-finance School Association, Gujarat for an exposure visit. 90 participants were facilitated with extraordinary experience of Port, Power, Wilmar and Solar plants visit.

Under Project Udaan total revenue generation is Rs.218.77 lacs.



# PROJECT UDAAN

## Dashboard Sustainable project revenue generated



# SUSTAINABLE LIVELIHOOD DEVELOPMENT





# SUSTAINABLE LIVELIHOOD DEVELOPMENT

## The Pashudhan & Preventive Health care management

Program is a revolutionary initiative by Adani Foundation to provide support and aid to farmers in managing their cattle's health and nutrition needs. The program aims to bring about a positive change in the lives of farmers of Mundra ,who heavily rely on their livestock for income and sustenance.

One of the key components of the Pashudhan Program is providing fodder support to farmers, especially during periods of drought or crop failure. Adani Foundation provides good Quality of dry and green fodder which covered 14116 Cattle of 24 Villages / 3008 farmers. This Program help them to feed their cattle with good quality of fodder that meets all nutritional requirements which increase the productivity of livestock and improve their overall health. In turn, this has resulted in increased income for farmers and improved food security for families.

In addition to this, we also focuses on farmers training for effective cattle health management techniques and Vaccination Drive as prevention measures.





# SUSTAINABLE LIVELIHOOD DEVELOPMENT

## Grass Land development

AF converted 205 acres of denuded village common pastureland (gauchar) into fertile and productive grassland in Zarpara and siracha village to transform into Fodder Sustain village with Community participation and responsibility for maintain and Monitoring.

Among that 18 Acre of Guchar land is fenced and sowed with Multispecies Green Fodder with Having Good nutritive value. More than 2250 Cattle will sustain with Improving quality and Quantity Of Milk.

Average 2450 cattle get benefitted by green fodder for 72 days –which increase 0.5 litre milk quantity of 50% cattle.

$(1225 \text{ cattle} \times 0.5\text{-liter milk quantity Increase} \times 40 \text{ INR per liter} = \text{Rs.}1592000).$

Apart that Open grazing Benefit save farmer cost to purchase Fodder . $(2450 \text{ cattle} \times 7\text{kg} / \text{Day} \times 72 \text{ Days} = \text{Rs. } 37,04,400 \text{ (Rs. } 3 \text{ per kg)})$

**This Intervention could save Rs.52,96,400.00**

It would be highlighted as best Demonstration and replicate in the other villages as sustainable fodder development project.

## Individual Fodder Cultivation

Farmers were Aware ,Convince and trained to cultivate super Napier Grass- as on farm projects to reduce their Fodder Dependency and expense. its update Varity of grass and Can be harvested three time in year with Good growth and Nutritive Value. With that effort 192 farmers have Adopted and Cultivated Super NAPIER Grass in **190-acre area and produce 3800 Fodder Tonnes Yield annually, lead to save Approx. Rs.52 Lacs of farmers.**



# SUSTAINABLE LIVELIHOOD DEVELOPMENT

## Cattle health camp

Adani Foundation and Animal Husbandry department Veterinary Jointly organizing cattle health Awareness and vaccination programs in 24 Villages of our periphery villages. A cattle health camp typically involves a team of Government veterinary Doctor who provide check-ups and treatments for common ailments and remaining Medicines and Vaccine was provided by AF

Program is very effective to maintaining the optimal health of livestock and help to protect the cattle from deadly diseases such as Foot-and-Mouth Disease (FMD) and Clostridial infections. The vaccines used in these programs are specifically designed to provide long-lasting immunity against specific diseases, ensuring that the animals remain healthy even in harsh environmental conditions.

**Total 17299 cattle of 19 Villages had benefitted With different kind of medicines and vaccines.**

Apart that 973 camels kharai camels were vaccinated with fitodas and Antisaras in the Phulai-Chhari Dhandh area of Nakhtrana taluka.



## Lumpy Disease Vaccination Drive.

An effective and Immediate step was taken to Mitigate lumpy Skin disease outbreak in the Kutch In co-ordination of District Animal Husbandry department through Vaccination and awareness drive at grass Root level. Total 40,000+ cattle were covered through therapeutic and ayurvedic treatment and Nutritive Cattle feed Support.

# SUSTAINABLE LIVELIHOOD DEVELOPMENT

**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.

This disease is also zoonotic (a disease that can be transmitted from animals to people)  
Hence to protect Cattles against Bovine Brucellosis AF Started Awareness and vaccination program with Kutch fodder fruit & Forest development trust (KFFT) in our 11 Villages.

**Under this project following activities were carried out,**

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 Gram Panchayat's

Primary Survey and Sample Collections i.e. , Milk Ring Test, Blood Collection and testing

Brucella Vaccination and Ear Tagging etc. Brucellosis Control Project 2020 Cumulative Progress of various important

No	Name of Activity	2020-21	2021-22	2022-23	Total
1	Awareness Meetings	19	23	18	60
2	Milk Ring Test	48	11	34	93
3	Blood Sample Collection	29	23	18	70
4	Vaccination	2132	2951	2970	8053
5	Family Covered (Direct)	287	379	484	1150
6	Total Benefited (in Direct) Families	1435	1895	2420	5750





## Promotion of Natural Farming

Natural farming is a method of agriculture that prioritizes soil health and sustainability. Instead of relying on synthetic fertilizers and pesticides, one key aspect of natural farming is the use of cow-based preparation like Jivamrut, Gau Krupa, Amrutam, and wormy Compost Fertilizers.

Adani Foundation Promote Farmers to adopt Cow based farming with end to End Program from Awareness to Market Linkage. 1392 farmers benefitted by training from which 60% farmers chemical usage is reduced to half extent in 500 Acres approximately.

### Impact

- I. Production Cost- 20% Reduced
- II. Chemical & pesticide exposure- 30 to 40% Reduced
- III. Premium product price-5% increase
- IV. Crop Yield & Taste - Better taste and quality-



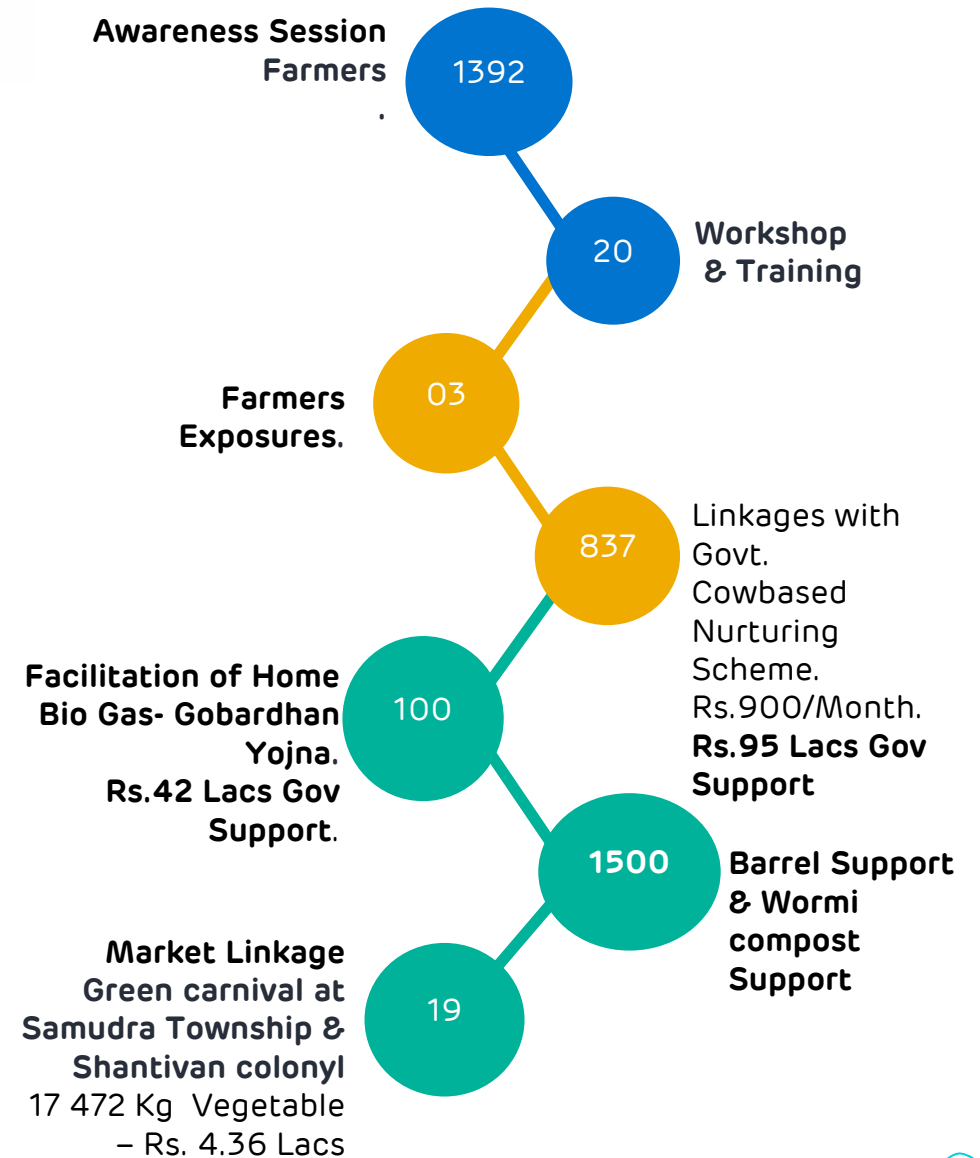


# SUSTAINABLE LIVELIHOOD DEVELOPMENT



**Natural Farming**

## Implementation Process of Projects





# SUSTAINABLE LIVELIHOOD DEVELOPMENT



## Prakrutik Sahkari Mandli

Formation of Shree Raj Shakti Prakrutik Kheti sahkari Mandali Limited Mangara and register Under Gujarat Co-operative Society act-1961 with 60 Members which is the First Organic Company of Registered across Kutch.

AF Started an Initiatives **"Green carnival"** an initiatives to Provide Marketing Platform to farmers to sell Natural Farming Vegetable & Agri Produce at Shantivan and Samdudra town Ship ,Mundra on Weekly base.

We provides resources, and technical assistance to help farmers to market their products successfully.

## Farmer's Producer Organization

Kutch Kutch Kalpaturu Producer Entity (KKPC) was established in the year 2020 to address the interests of farmers, particularly to provide an entrance for outputs and inputs. The company was founded with 237 farmers

KKPC served for Date Packaging box, Milk Supply to Colonies, NB 21 Off suits Supply, Vegetable Seed ,Mineral Mixtureand Cattle feed supply and plan to extend more service.

KKPC Current Year turnover is. Rs.28.89 lacs by started Different Kind of Initiatives



# SUSTAINABLE LIVELIHOOD – FISHERFOLK COMMUNITY



Access of Pre-primary  
education.to 3 Vashat –  
125 Students



Transportation Facilities to Govt.  
& AVMB School- 33 Students



Free AVMB –School Education -  
147 Students



Book Support -43 High School  
Students



Scholarship Support -43  
Students of SMJ School Luni



Coaching for 10<sup>th</sup> Exam OF 8<sup>th</sup>  
.9<sup>th</sup> Failed Students -28  
Students

**Fisherfolk education has  
had a significant impact on  
communities to shaping  
individuals' lives By  
providing Access of quality  
education for Pre- primary  
to Higher Education.  
More than 500+ Fisherfolk  
children are getting  
Education**

## Impact

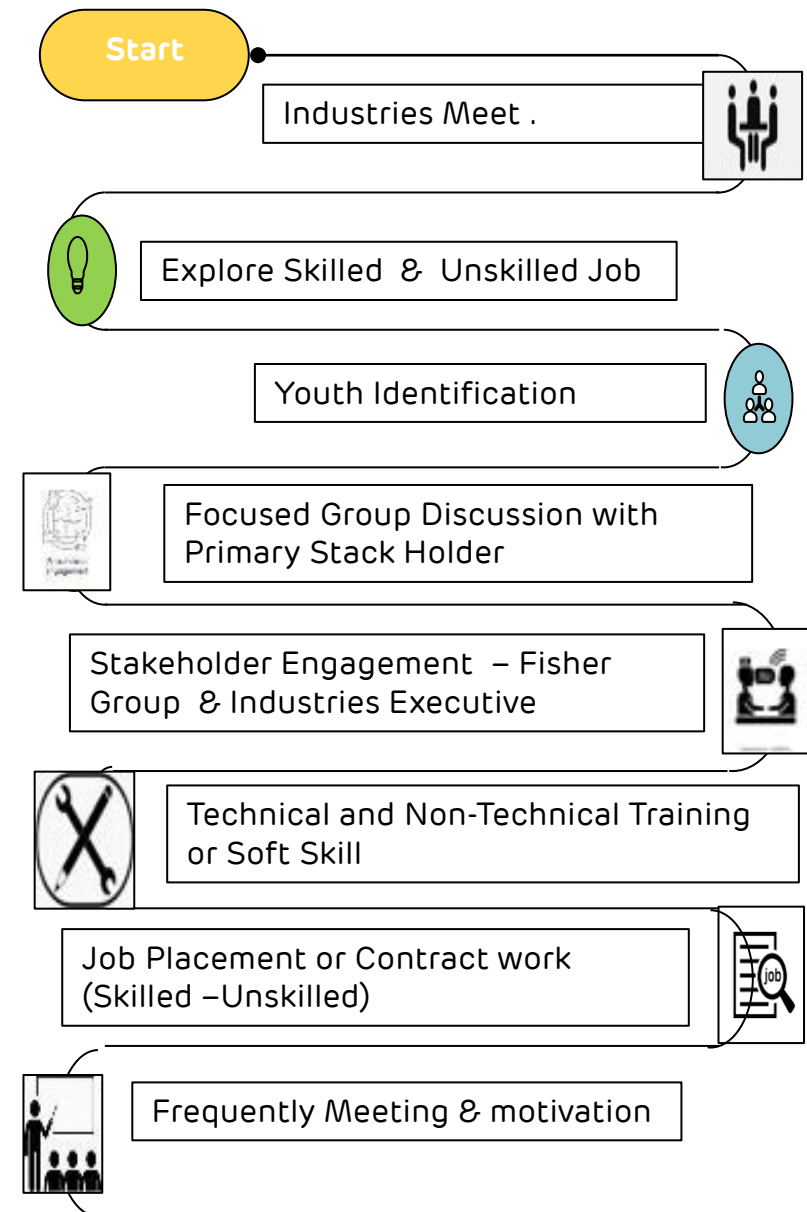
1. Access Of Quality Education
2. Promoting Girl Child Education.
3. Increase Economic Productivity
4. Creating Employment Opportunity
5. Social Development & Networking



## SUSTAINABLE LIVELIHOOD DEVELOPMENT

- ❖ 194 fishermen and women are engaged through Contract adani Group Company on regular base.
- ❖ 23 Youth have been Placed in Different company after Completion of Technical training.

Total 217 Fisherfolk are Employed and earning on Monthly Base.  
Average Monthly Income Rs.14500/ Individual





# SUSTAINABLE LIVELIHOOD DEVELOPMENT

## Fisherfolk Livelihood

Mangrove plantation and Nursery development work has created a two facet impact by providing Livelihood to Fisherfolk during two months Fishing during Off season and developing 162 hector dense mangrove afforestation. **5200 Men days** work provide to **285 Fisherfolk** of Luni ,Sekhdiya and Bhadreshwar Villages in coordination with Horticulture Det.

Formed **Sagar Saheli SHG of** Navinal Fisherfolk Women and Linked With DRDA after completion of Stitching Training ,received first order of Rs.80,000 to prepare Cotton Bags. Total 12 Women are engaged and planning to expand with more Women and Order. Liaising with Fisheries department to Facilitate Fishermen welfare Scheme and Form Filling Process. Pagdiya Fisherfolk Kit, Boat Licence renewal, Boat Token Process.





# WOMEN EMPOWERMENT PROJECT

Women are essential to the entire development process, whether in a single household, a village, a state, or a nation. Adani Foundation provides a platform for Community women to overcome the social barriers by becoming change - makers in their communities and societies while maintaining their traditions. Mundra has witnessed a significant shift in the development of women beneficiaries in various fields of occupation including such agriculture, self-employment, horticulture, and so on. The Adani Foundation has a strong emphasis on strengthening rural women and betterment through sustainable livelihood support, resulting to socioeconomic shifts in the rural population.



# WOMEN EMPOWERMENT PROJECT

## Strategy & Process of Empowering Women by SHG Group

Identification of target Group

Mobilization and formation

Capacity building & Training

Saving & Credit Activity

Income generating Activities

Connect with Government & other organization

Monitoring & Evaluation

Adani Foundation has been working towards empowering women through various programs and initiatives. Here is a brief overview of our work in women empowerment :

- ✓ **Self Help Groups (SHGs)** : We have established 82 self-help groups in various rural and urban areas to provide financial and social support to women. We provided training and capacity building workshops to members of these SHGs to help them develop income-generating activities and improve their livelihoods. Through this initiative, we have empowered over 850 women to become self-reliant with Savings of Rs. 30.42 Lacs
- ✓ **Training & Skill Development** : We conducted skill development programs for women in various fields such as tailoring, handicrafts, and food processing. These training programs helped women develop their skills and start their own businesses. We have trained over 320 women in various skills, and many of them have started their own businesses.
- ✓ **Women's Health** : We organized several health camps and awareness programs for women, with a special focus on menstrual Hygiene. These programs aimed to educate women about their health and empower them to make informed decisions. We provided health services to over 1150 women through these camps.
- ✓ **Assistance in Job & Government scheme** : We empower 256 women by help them to seek Job, they all earn average 9288/- Monthly. Also Gave awareness about government scheme which directly benefit to woman & helped them in the process to apply.
- ✓ **Advocacy and Awareness** : We conduct awareness campaigns and advocacy programs to promote gender equality and women's rights. We aim to challenge the social norms and cultural practices that prevent women from achieving their full potential.

# WOMEN EMPOWERMENT PROJECT

1. 56+ women by Gram Bharati Platform

2. 102 + Menstrual Hygiene workshops

3. 12+ Advocacy and Domestic violence sessions

4. 82 SHG - Saving & Credit Activity

5. 220 + Job Placement



# WOMEN EMPOWERMENT PROJECT

SHG Name	Our Intervention	No. of Woman	Get Order from	Order of	Total Order (lac)	Grambharati (lac)	Till today Turnover
Jyot Saheli Swa Sahay Juth	Collaboration with RSETI & trained woman by Rural Self Employment Training institute	10	Mundra Navratri Celebration	Moti work, Bead work neckless as well as Panjo	0.42	0.75	1.17
Saheli Swa Sahay Juth	Help them for tender process	10	Jilla Mahila ane Bal Adhikari Kutch,Bhuj	Sanitary Pad	1.20	0.00	2.50
Tejashvi Saheli Swa Sahay juth	Help them to increase variety in stitching related work, Wall Hangings, folder bag, Uniform	15	AVMB – Bhadreshwar	Uniform, Folder bag,Jatt bag	9.12	1.10	20.25
Food Sister Saheli group	Help them to start the Canteen at Rangoli Gate	10	APSEZ + Rangoli Driver Shed	Food	3.00	0.00	3.50
Shradhha Saheli	Tender from ATMA + Various ordered of Food + Snacks provided to various Balvadi	10	ATMA, Adani Public school & Balavadi	Lunch + snacks	8.63	0.20	15.00
Meghadhanush Saheli	organized an exhibition of Eco-friendly Ganpati	11	Utthan Project	Mud frames	1.39	0.60	12.00
Radhe Saheli Swa Sahay Juth	Exhibition cum sale & Inspire them to participate in Grambharti	16	Gram bharati order	various type of Dhadaki	0.40	0.20	2.00
Sonal Saheli Groups	Training them for Making Phynial & Washing Powder	10	Port & Wilmar	Sale washing powder	3.60	0.00	12.00
Karimbhai Mansuri	Namda Craft				1.80	0.00	9.80
Over All Corporate	Marketing & Gift packing Training	35	corporate order	Various order from all SHG	9.76		9.76
Total	-	127	-	-	39.32	2.85	87.98



# WOMEN EMPOWERMENT PROJECT

Training, Awareness programs, Exhibition and Certificate courses can play a critical role in the development of women by providing them with the skills, knowledge, and resources they need to succeed in their personal and professional lives. Adani foundation is providing that opportunity to rural women by

exposure. This initiative more than 500 woman trained in subject like how to run business, Personal hygiene, Woman rights, social media marketing etc. 30 Women got the Artisan card though the RSETI ( Rural self Employment Training Institutes) Adani foundation celebrated International women's by

motivating 150 Woman from different 82 SHG's. Current year theme was **Digital ALL : Innovation & technology for gender equality.**





# Community Health

*Access to quality healthcare is a fundamental right of every individual*

Health plays a crucial role in transforming people's lives. We all realized importance of health after facing challenging situation during Pandemic. Access to quality health care gives a fair chance to lead healthy, productive lives. Healthy people can utilize opportunities available to them.



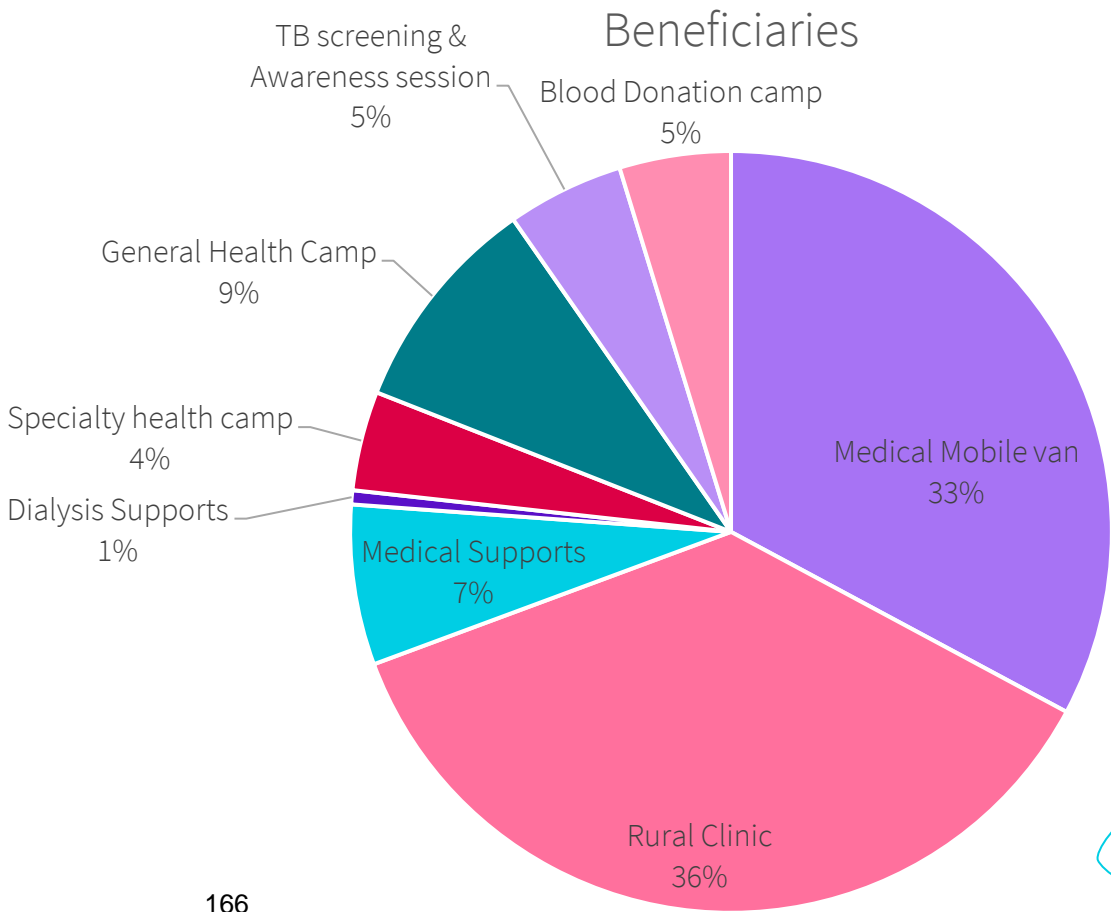


# Community Health

Sr. No.	Project	Beneficiaries	
1	Medical Mobile van	11879	32 village
2	Rural Clinic	13209	9 village
3	Medical Supports	2460	63 village
4	Dialysis Supports	216	63 village
5	Specialty health camp	1527	
6	General Health Camp	3379	
7	TB screening & Awareness session	1795	
8	Blood Donation camp	1710	
Total		36175	

**“Healthy mind remain in healthy body which create health community to make healthy Nation.”**

Adani Foundation is relentlessly working to Provide access of quality health facilities at Doorstep level to create health Society for healthy nation development through various kind of health Projects



# Community Health

## Rural Clinic & Mobile Health Care unit

Adani Foundation focuses on ensuring good health for better contribution to growth and progress. During this pandemic situation health is the basic need for development of community. Their objective is to live healthier lives by promoting healthcare seeking behavior.

Mobile Health Care Units and Rural Clinic Services are deployed with the objective of providing basic healthcare facilities to remote rural areas as well as poor peoples. The service is being executed by Adani foundation is to reduce travel time, hardships and expenses.

The mobile health care unit covers 25 villages and 07 fishermen settlements. Around 90 types of general life saving medicines are available in these units. This service becomes a boon for women, elderly and children as the service is available at their doorstep.

Rural Dispensaries are established where there is a gap in the healthcare services. The Adani Foundation operates Rural Dispensaries in 6 villages of Mundra block, 02 villages of Anjar block and 1 clinic in Mandvi Block. Mobile dispensary and rural clinics provide health services with token charge of 20/- rupees per patient daily by a doctor and a volunteer.

During this year total 11879 beneficiaries were benefitted by Mobile van and total 13209 beneficiaries were benefitted by Rural clinics where female ratio is 65%.





# Community Health

## Medical Support Detail

Adani Foundation provides primary health care and financial assistance to needy poor people for ailments such as kidney related problems, paralysis, cancerous and tumor surgeries, neurological and heart problems, blood pressure, diabetes etc.

Partial Medical Support had been given to 2000+ beneficiaries of Mundra, Mandvi and Anjar Block at Adani hospital, Mundra. where as in the Critical cases after stable them we refer them to GKGH, BHUJ for further treatment.

## Dialysis Support

The drinking water of Mundra contains high TDS (Total Dissolved Solids). Hence, the proportion of patients with urinary stones and kidney failure is more. Patients suffering from kidney-related diseases require regular dialysis which is costly and adds to the financial burden of the family.

Hence, the Foundation has undertaken a programme to providing dialysis treatment to help the extremely needy patients to live a healthy life. During this

year, 4 patients were supported for regular dialysis (twice a week) with partial support.

## NCD Awareness and Prevention

MHCU and Rural Clinic Doctors are working parallelly for creating awareness and prevention measures for Non Communicable diseases, Awareness sessions scheduled in 8 High Schools and 2 community places. More than 110+ patients were supported and counselled for Hypertension and Diabetes. Due to early intervention their life span increased and quality of life became better

## Machhimar Shudhh Jal Yojana

To reduce water born disease and women drudgery to get water, Potable water is provided to the fishermen communities at different vasahat through water tanker since 9 years. Coordination done with Gujrat Water Infrastructure Limited For Juna Bandar, Kutadi Bandar, Veera Bandar and Ghavar Bandar. Adani foundation is supporting to 3 fisherfolk settlements.



# COMMUNITY INFRASTRUCTURE DEVELOPMENT

The Adani Foundation's Community Infrastructure Development (CID) program is the keystone initiative focus on improving infrastructure facilities of rural and urban area with proper designing and implementation to built robust infrastructure, This project impacted Thousand of life toward health care, education, agriculture, water and sanitation and other basic facilities for sustainable rural development





# COMMUNITY INFRASTRUCTURE DEVELOPMENT



40  
Construction  
Of RRWHS

19 Bore  
Recharge

2 Pond  
Deepening  
under SSJY

Pond  
Beatification -  
Bund  
Strengthenin  
g at Bhujpur

2 Percolation  
Bore  
Recharge

3 Re-  
strengthening  
of Approach  
Road

Cricket  
Ground at  
Hatdi

Construction  
of house for  
needy  
fisherman

3  
Construction  
of Water Tank  
at Luni  
Bandar

Construction  
Common  
gathering  
open shed

Renovation  
Approach  
Road

4 Common  
gathering  
Open Shed

Construction & Development, Repairing & Maintenance and Support Work covered during the year



Community  
Training  
center  
Shekadiya

Vegetable  
Market at  
Mundra

Development  
of Gate Valve  
at Checkdam

School  
Compound  
wall at Rampar

Fisherman  
approach  
Road  
restoration

Bund Strengt-  
hening at  
Bhujpur

2 Pond  
Deepening -  
Azadi ka  
Amrut  
Mahotsav

Renovation  
Training  
center Mundra

Renovation  
Blood storage  
Lab CHC  
Mundra

2 Disable  
Widow Toilet  
Block

2 CC Road of  
700 mtr.

R.O. Plant  
Mokha 1000ltr  
/HR

JCB & Hitachi  
Support for  
Pre-Monsoon  
Activity

Check dam Re  
-  
strengthening  
Bharudiya

Pond Pipeline  
work 800 Mtr

Flood Water  
Control Sluice  
Gate at  
Zarpara

Construction & Development, Repairing & Maintenance and Support Work covered during the year

# CRC MUNDRA

## Community Resource Center

Community resource Center is the bridge between Government Schemes and real Beneficiaries. It is situated at Adani Field Office, Baroi with the motive to be **Single window point solution (Online Application & Documentation) to Facilitate Government Schemes leveraged to needy and Eligible people.**



**Key Achievements of  
Community Resource  
Center  
Monthly Base**

Government Scheme Facilitation				
Sr. No	Gove Scheme	Gov. Support Rs/Month.	Total Beneficiaries	Total Amount/ year
1	Widow Pension	1250	641	18496350
2	Bal seva Ayog	2000	49	2254000
3	Divyang pension	1000	19	323000
4	Divang Bus pass	300	439	
5	Niradhar Pension	750	126	2808750
6	Palak Mata Pita	3000	5	516000
	Total		840	2,43,98,100



# CRC MUNDRA

## Widow Pension Yojna

Objective of this Yojana is to provide Financial support Rs.1250/Month to widow to made Them Financial independent. Parallely, we are conducting Motivation Session with them to raise their Value and Positivity to create healthy family Environment.

Till The date Total 641 Widow have been Linked with Government Widow pension Scheme.

## Monthly Pension and other allied Scheme

Under This Program disabled Person are supported with Monthly Pension @ Rs.1000 As well allied facilities like Bus pass, Railway pass to made them Self sustain and Confident.

Till the date total 458 Divayang are linked with Different Government Scheme.

## Bal Sakha Yojna

Aim Of the Yojna is to Provide Financial support Rs.2000/Month for Education Purpose to below 18 year Students who lost their Parents due to Life threatening Disease Including Covid. Total 49 Students are getting benefit of the scheme.

## Palak Mata Pita Yojna:-

Motive of this scheme is to promote parents who is taking care and Nurture the child who is Below 18 year and lost their parents.@ Rs.3000/Month. Total 5 children are being supported under the scheme.

## Niradhar Pension Scheme

Under this Scheme Financial Assistance 750/Month is provide to Senior citizen who don't have Surviving Children (Son) or Below 21 year son. Till The date 126 senior Citizen availing schematic benefit.





# CRC MUNDRA

Some Glimpse of Cow Nutrition Support scheme Biogas Under Gobardhan scheme



## Key Achievements of Community Resource Center One time

Sr. No	Gove Scheme one Time	Gov. Support	Total Beneficiaries	Total Amount/Year
1	Covid Support One Time	50000	12	6,00,000
2	Vahali Dikri @ 18 Year	110000	113	1,24,30,000
3	Divayang Sadhan Sahay one time	5000	176	8,80,000
4	Manrega (NB21)	22000	32	7,04,000
5	Pagadiya Sadhan Sahay Yojana	9000	9	81,000
6	Gau Dattak Yojana	10800	857	92,55,600
7	Gobardhan Yojana	42000	100	42,00,000
8	Fishermen Shram Yogi Yojna		163	
			<b>1487</b>	<b>2,81,50,600</b>



# ADANI SKILL DEVELOPMENT CENTRE

**Total Centre  
Admissions  
FY 22 - 23**

## Mundra

Courses	Female	Male	Total	Revenue Generated
Pedicurist and Manicurist	68	0	68	68000
Beauty Therapist	18	0	18	36000
Self Employed Tailor	31	0	31	38850
Assistant Electrician	0	50	50	188800
Bar Bender and Steel Fixer	0	29	29	0
Meson General	0	29	29	0
Domestic Data Entry Operator	47	11	58	239000
Junior Crane Operator	0	23	23	642000
Interview Skills	14	18	32	0
Mudwork	71	0	71	61600
Solar PV Manufacturing Technician	0	25	25	109500
Basic Functional English	562	670	1232	707300
Digital Literacy	391	461	852	454290
<b>Total</b>	<b>1202</b>	<b>1316</b>	<b>2518</b>	<b>2545340</b>

## Bhuj

Courses	Female	Male	Total	Revenue Generated
Interview Skills	21	9	30	0
General Duty Assistant	45	8	53	3,09,734
Disaster Management	0	2	2	4000
Basic Functional English	1077	352	1429	8,57,400
Beauty Therapist	2	0	2	4000
Assistant Beauty Therapist	1	0	1	1500
Self Employed Tailor	8	0	8	8000
Digital Literacy	231	270	501	3,00,400
Domestic Data Entry Operator	0	1	1	4,720
Non Domain Employability Skills	21	11	32	0
Diet & Nutrition	02	00	02	9440
GST with Tally	16	01	17	98000
Understanding Operating System	21	7	28	0
Entrepreneurship	23	7	30	20,800
Financial Literacy	51	1	52	3600
<b>Total</b>	<b>1519</b>	<b>669</b>	<b>2188</b>	<b>16,21,594</b>



# ADANI SKILL DEVELOPMENT CENTRE BHUJ

## **Soft Launching of Self-Employed Tailor – Outreach Batch at Meghpar**

Soft Launched Self-Employed Tailor Batch at Meghpar (Out-reach). Total 25 candidates are enrolled.

## **Soft Launch of Entrepreneurship Development Program**

Soft Launch of Entrepreneurship Development Program Training at Centre under CED with 30 candidates.

## **Soft Launch of General Duty Assistant Batch**

Soft launched General Duty Assistant Batch with 30 candidates under DDU-GKY scheme as per instruction by GLPC.

## **Soft Launch of FL Training under Special Project**

Launching Special Project Jointly with KMVS NGO for FSW ( Female Sex Worker) Financial Literacy training Inaugurated on 22-07-2022  
Total 46 women participant



# ADANI SKILL DEVELOPMENT CENTRE MUNDRA

## **Mud Work Training– Outreach Batch at Samundra township**

Total 45 candidates are enrolled.

## **Soft Launch of Data Entry Operator Batch**

Soft launched Data Entry Operator Batch with 50 candidates under Thermax Foundation Tie-up

## **Soft Launch of Solar Panel Manufacturing Technician Training of Solar Panel Manufacturing Technician Training at Bhuj, ITI with 25 candidates.**

## **Soft Launch of DL Training under DEO Project**

Soft Launch of DL Training at AVMB School with 61 Students

Tie Ups with (Thermax Foundation, Empazer, Navin Group and DEO Kutch @ Rs.24.25 lacs.





# ADANI SKILL DEVELOPMENT CENTRE MUNDRA

## DEO Project

MOU with Kachchh District Education Office. In this MOU ASDC has provided training of Digital Literacy and Basic Functional English in Kachchh District Schools. As per MOU Kachchh District Education Office has provided 4000 candidates to us for training (Adani Skill Development Centre). Funding from Thermax, CFS and DEO made it possible

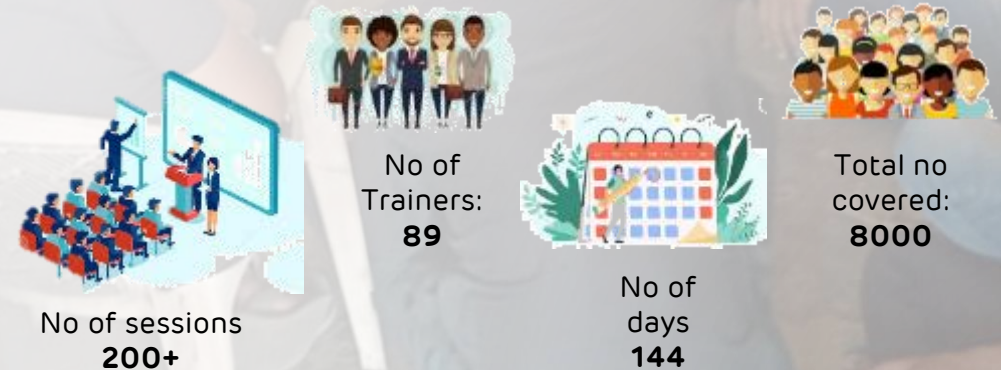
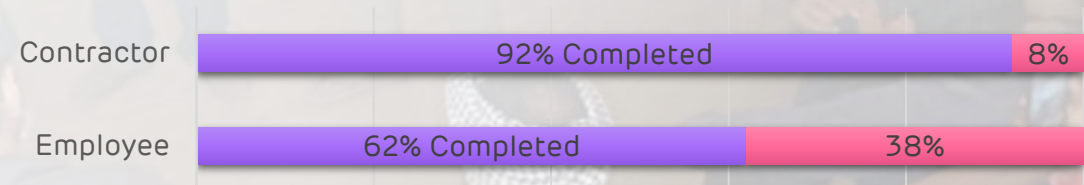
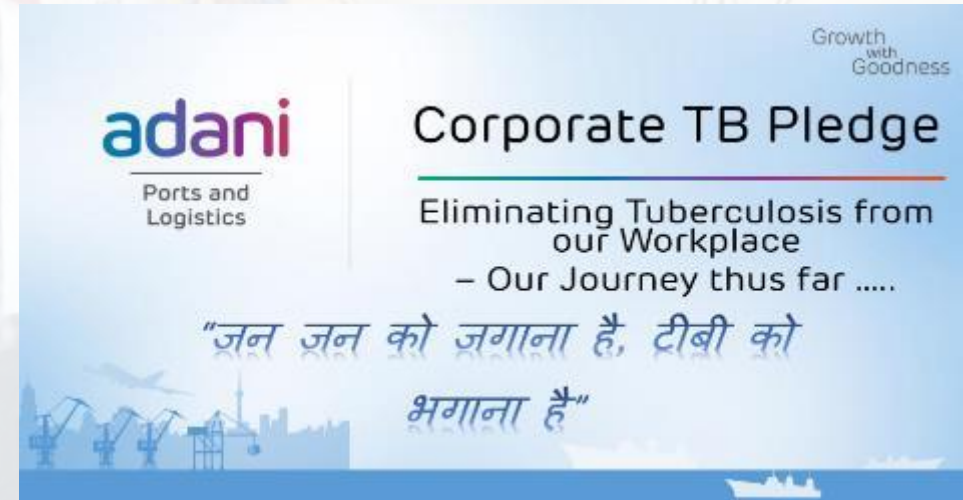
Courses	Total Students Trained
Basic Functional English	2659
Digital Literacy	1341
<b>Total</b>	<b>4000</b>



# 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.





# Dignity of Work Force Programme - EVP

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 completed screening with 8000+ work force.**

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





# Dignity of Work Force Programme - EVP



Central TB Division | #TBMuk...  
@TbDivision

TB-Free Workplace models were showcased in Multisectoral Corporate Engagement towards TB elimination in India conference. @Adaniports through @AdaniFoundation covered a population of over 8000 people comprising employees, family members & contractual workers at Mundra port.





# Health Camp for workforce and Green Carinal Celebration



It is true that we cannot achieve our goal of development unless and until we support to bring up the lives of this community. Basic needs of this work force need to be considered. In labour Vasahats they were not getting even the facility of pure drinking water, proper living condition, sanitation which Adani Foundation has addressed one by one within last years five years span.

With the objective to build up trust and transparency in labour community, union Labours and Smooth business operations, Adani Foundation had organized 45+ labour camps for 2000+ workforce beneficiaries in coordination with Adani Wilmar Limited

18 Green carnivals

17472 Kg Fruits and Vegetable

436000 INR



Started the great initiative from world Soil Day - Biggest Employee volunteering program of Adani Ports and SEZ Limited with more than 56 employees as supporter of event organizer and 225 employees with family as a supporter of Farmers n SHGs.

Children used to enjoyed Games and Dance ! Lucky Draw surprise gift was organic ghee..

HR department, IT department and Admin department has supported a lot and will support every fortnight for this sale every sunday



# ADANI KANDLA BULK TERMINAL PVT LTD - TUNA

## Water at Fisherfolk settlement

Potable water (18 KL per Day)  
Distribution to Vira and Dhavlvaro  
Bandar through Water tanker Regularly  
which improve Hygiene and Health  
standard and reduce Women drudgery  
,Cost and Time to get water by  
**Linkages through AKBTPL and GWIL  
daily bases.**

## Fodder Support

Support of Dry & Green Fodder to Tuna  
and Rampar Village Gaushala Cattles  
during Scarcity which impacted on  
Cattle health and Milk Productivity  
ultimately Farmers Income as well. Total  
643825 Kg green Fodder Supported for  
900 Cattles of Tuna & Rampar.

## Tree -Plantation

Total 200 Tree was planted and ensure  
responsibility for watering and caring.  
This initiative involved Community and  
School students and sensitized to plant  
more trees and nurture. After our  
plantation, Gram Panchayat also  
planted 55 Neem trees in same  
premises.



# ADANI KANDLA BULK TERMINAL PVT LTD - TUNA

## **School Renovation work Rampar**

More than 800 students are studying in Rampar near Tuna port. School did great coordination to approve 3 new rooms from Sarv Shiksha Abhiyan. Other part was required renovation which was taken care by Adani Foundation. Due to this Total 6 Rooms are now in full utilization.

## **CC Road Wandi**

Wandi is 1 km away from Adani Kandla Bulk Terminal Port Limited and 100 % Population of Fisherfolk. 1 Km Drainage line is done by WASMO – CC road request received in year 2021. Adani Foundation guided for CC road work after drainage work.

## **Common Gathering Flooring work, Tuna**

Tuna Village is 2 Kms away from AKBTPL. In Tuna Village, community gathering shed was constructed from MLA Grant. Flooring work was not included in the same, which was taken up by Adani Foundation. Shed is well utilized in SHG meetings, Farmer meetings and Gram Sabha





## ADANI GREEN ENERGY LTD - ABDASA

Adani Solar Plant Bitta is under Adani Green Energy Limited. Adani Foundation is doing regular support of JCB during monsoon or any accident cases as and when required.

Apart from it Celebrated Chairperson's Birthday by distribution of school bags to the children taking admission in class 1 along with necessary books and Education Material. Which includes Bitta School, Nani Dhufi School and Moti Dhufi School.

Deputy Collector of Abdasa taluka place, called for a meeting to all major industries of taluka area. Agenda of the meeting is to develop 7no's "Amrut Sarovar" in Abdasa taluka area under government proposal at every district level.

As per the proposed identified locations by Deputy collector, one of the location he has asked to develop by Adani Power Limited. He has proposed, "Amrut Sarovar" is developed nearby our plant area with amount Rs 20 lacs as per pond size All such proposed "Amrut Sarovar" are new only, not to develop available old pond in nearby area.





## Impact Story



Ratanbhai Keshavbhai Gadhavi is a farmer of Moti Khakhar. On 17th May 2022, he purchased NB Super Grass Stalk to cultivate it in 1 acre of his land. After maintaining, nurturing and hard work the grass thrived lush green with a tremendous height that's when he performed his first mowing of it.

Ratanbhai had to feed fodder to his 35 cattle regularly. While interacting, we came to know that he used to require 16kg of dry grass during summer and winter at an estimated cost of ₹1,60,000 but after planting NB Super Grass, he has saved 80-90,000rs which is approximately 50-55%. Apart from this, Ratan bhai also mentioned that during this period, he usually had a demand for 2 to 3 farm trucks of fodder which he used to order from the market but after cultivation of NB Super, not a single farm truck loaded with fodder is demanded from him.

Moreover, due to the cultivation of NB Super Grass fuel and fare expenses on farm trucks have nearly come to end. Also, Ratan bhai has already mowed the grass twice and 3rd mowing is going on having the height of grass 12-14 ft.

Lastly, Ratan bhai stated that his cattle relishes and is habituated with NB Super Grass more than any distinct fodder.

## Impact Story



*Amrutaben desired to ask God for one thing, a new pushcart! -*

Jiluben is an elderly woman with physical limitations and a terrible economic state. She's been widowed for thirty years. Jiluben's son is 50 years old, unmarried, and almost face continuously ill. While her daughter Amrutaben is divorced (she got married 20 years ago). Jiluben, who is 70 years old only has her daughter Amrutaben is working. Amrutaben used to use her old pushcart, but it was heavy and too old for her to carry around everywhere, plus she didn't have enough money to buy a new one. Amrutaben only desired to ask God for one thing, a new pushcart! because everything else she could take care of on her own despite such bad situation.

An employee of the Adani foundation has spoken with Sarpanch Hawaben about the work being done by the Foundation on support of people with disabilities. As soon as she informed & requested that to make visit at Jiluben house. Their pushcart needs were discussed by representative from the visited, verified all the necessary paperwork, and spoke with Jiluben and her family about government programs for widows and people with disabilities. And a week later the entire process was completed, and the new pushcart was provided to them. She is now able to work promptly and help their family in overcoming this difficulty.

## Impact Story



Hiruben Karsan Tharu lives with her parents in Nani Bhujpur village. She fell very ill when she was three years old. After treatment, she recovered, but her both legs were affected by the paralysis in both legs. At such a young age, she started coping up with her disability. Adani Foundation provided platform to women of Nani Bhujpur village by providing them with Sewing Machine and enrolling her in sewing machine training. Moreover, she was provided with Wheelchair and Calipers to help Hiruben move comfortably and attend class regularly.

Presently, she earns Rs. 5,000 to Rs. 6,000 a month from stitching work which is much appreciated and admired by her neighbors and relative.

## Impact Story



### **Empowered Women, empowered nation!**

India is a land of culture and traditions. These traditions are kept alive in rural locations. One such tradition is gifting daughter during her marriage for her happy married life. Sonalben too received a cow from her maternal family during her wedding. This was given with a purpose of livelihood generation at the time of crises. For sonalben, this gift was priceless, she decided to utilize income received from one cow to buy more cows. She continued to sell milk, buttermilk, Ghee, and other cow-based products and retain income to buy more cows. Gradually she increased her livestock to 66 cows which provides 165 liters of milk per month. Within 7 years of her marriage her livestock increased from 1 cow to 66 cows.

Looking at her zeal and passion towards animal husbandry, Adani Foundation provided her with Biogas kit so that she can save cooking fuel cost and fertilizer cost as waste slurry from biogas acts as a natural fertilizer.

Recently, On Kisan Divas she was felicitated by Adani Foundation for doing exceptional work in Animal Husbandry. She has now become a guide for all those women who wish to make living out of limited means.



## Impact Story



**"Agriculture is our wisest pursuit, because it will in the end contribute most to real wealth, good morals, and happiness." – Thomas Jefferson**

It is said that one can do everything if he or she has direction and clarity towards the goal. Geetaben, a loving wife, responsible mother of 3 daughters and a son and an amazing farmer has always supported her husband in his farming occupation. Her life took a transformational turn when her husband passed away in 2018 due to severe heart attack leaving all responsibilities on her shoulder. Of course, she was working on farm keeping shoulder to shoulder with her husband before he passed away but managing farming single handedly was a tough business for her. Moreover, raising 4 daughters and a son for a widow is a somber task too. It took couple of months for her to hold herself up for the sake of her children and to make her husband's dream true. Her husband Late. Bharat Bhai Jethva hold recognition to be a first farmer in Mundra district who has initiated to cultivate Kamalam (Dragon fruit) in his farm. He had a dream to cultivate best of organic Kamalam and sell his organic fruit to a larger market. He was on cloud nine when his first harvested kamalam blossomed beautifully. But unfortunately, his heart attack pushed him to changed realm. It was her determination to continue his husband's dream and take kamalam cultivation to the next level.

*As Geetaben started inclining towards chemical-free farming, she started getting higher value for her crops resulting more income. With foundation's support and guidance, she understood which crops/vegetable to sow for high returns.*

## Impact Story

Jethva family holds 4 acres of land and Geetaben took charge of cultivating seasonal fruits and vegetables in that farm. Being a female farmer, the use of chemical-based farming impacted her health a bit but still she used to cope up with daily chores until she had an encounter with Adani Foundation in her village Mangra. Team members Mavji Baraiya, SLD Head and Kalyan Gadhavi, Community Mobiliser from Adani Foundation organized Natural Farming training at Mangra village of Mundra district. All farmers of Mangra village participated in that training. she also attended the training in which she got insights of all techniques of natural farming and proposed support from Adani Foundation. She approached foundation team and expressed her willingness to learn more on natural farming techniques for crops, vegetables, and fruits. Before that Jethva family used to cultivate only Kamalam organically but after the intervention and continuous trainings by foundation, she decided to turn her complete farming through natural techniques by gradually taking baby steps toward this new endeavor.

Looking at her zeal and dedication for 0 chemical farming, Foundation provided her with Biogas Kit, Drip Irrigation system, Development of Vermicompost and Jivaamrut. Presently she has 6 to 7 livestock. With the installation of biogas, the slurry produced by biogas digesters makes excellent fertilizer when applied to farms. Moreover, Geetaben learnt how to make Jivaamrut from Adani Foundation's natural farming trainings, which she then applied to her farm where she noticed significant improvements, including a reduction in nutrient deficiencies, an increase in crop size without the use of chemical fertilizers and the presence of lush green, healthy crops. In addition, the Adani foundation brought knowledge of vermicompost to her farm, which she says has already made a big difference in the soil's fertility. Also, setup of drip irrigation system was done in order to save water, nutrients loss, and to provide the water direct to the soil root zone of the plant.

Prosperity knocked her door, and she provided best education to her children. Her daughters completed Engineering and Son is presently studying in Anand Agriculture University. On asking him about his future, Hariom (Son of Geetaben) shares *"My father is recognized as first farmer of Kamalam in Kutch and my mother is epitome of strength and a proud farmer. My mother has achieved lot dignity and respect in our society since she received foundation's guidance for practicing natural farming and I will follow her footsteps in same direction by establishing natural farming agriculture business to provide best quality crops to the society."* Geetaben continues to strive excellence in learning farming training regularly and become a promoter of same to encourage other farmers to adopt Natural Farming for better cultivation and higher returns.

## Impact Story



At Ratadia Ganesh wala village in Mundra taluka, Rabari Megha Vanka lives with 60 percent of his legs divyang.

Meghabhai was working in a garment shop in Mundra two years ago. Bhabhi Ben used to help in running the house by making several pedas. Meghabhai lost his job during Corona time. Then Meghabhai started selling pedas in nearby villages. With the help of Adani Foundation, he was given small help for home based industry and also helped him in the process for obtaining medical certificate and bus pass. Now, Meghabhai with the help of his wife Pabi Ben started home industry 'Pena Home Udyog' and made it as the main means of livelihood. They sell 300 kilos of pedas every month. On an average they earns 18000/- per month.

When the bus pass will come he can save more money by traveling by bus for orders from Gandhidham, Bhuj, Mandvi and nearby areas.

## Impact Story



### **Only a teacher can turn the disability into a talent ! - Mundra**

Challenges are what make life interesting. Overcoming them is what makes life meaningful". Halepotra sadiya studying in class 4 of Dhrub primary school is the SEN - special education needed .she is not able to see clearly through her eyes that is having the problem of vision by birth , she underwent 4 operations but have a great IQ level which never stopped her from learning new things. sadiya's parents never stopped her coming to school. she had a problem in basic maths ,gujarati reading and writing but within an year she worked continuously during her free time and now is able to read write and perform basic calculation. Her favourite hobby is learning new things , colouring and listening new rhymes from YouTube. she can now stand up in morning assembly and give her introduction in English . "only a teacher can turn the disability into a talent through hard work and self confidence". Her dream is to become a teacher.



## Impact Story



*Health care service is to save the lives !*

Mohammad Sadik Turk, 16, of Dhrub arrived in critical condition because of pain in the area of his kidneys. The condition was treated as an intestinal problem by doctors. The specialists tried their best to treat him & offering variety of medications. Support him for his routine dialysis for six to eight months while paying attention to his condition. He no longer needs dialysis after complete therapy, but he still needs to regularly administer injections three times every month.

Many young children pass away each year from insufficient medical care and inability to pay for necessary treatments. As long as there is only one source of income for the family and everyone depends on him, it is hard to provide costs for those who are living below the poverty line. Although India has more than 50,000 patients who receive long term dialysis, it has only a thousand kidney specialists in the entire country. Furthermore, treatment can be expensive. In situation like this Foundation pays for the child's injections in light of his financial situation and wishes him a quick recovery and a long and healthy life. The main goal of the Adani Foundation's community health care service is to save the lives of children like Sadik.

## EVENTS



**World water day** was celebrated on 22<sup>nd</sup> March in coordination by Adani Foundation at Bhuj.

Program was designed on District level awareness on participatory ground water management on the theme of accelerating the change to solve the water and sanitation crises with exhibition of water saving tool, equipment and IEC material.

On this Occasion Mr Dilip Rana ( collector Kutch) was the chief guest and guiding force. He emphasized on RRWHS with assurance to provide 50% Support from government to developed single village as model drinking water sustain village with having 100% RRWHS facilities.

Shri Dobariya Sir administrative officer of Atal Bhujal Yojana and Mr.Nimish Padke Director - Fokia also shared about sustainable management of fresh water sources for future generation. Mr.Mahendra Gadhvi ( Pramukh, Jilla panchayat) also shared his views. More than 200 farmers + Women and Sarpanch of Mundra.



**Project Pragati** :- Success of completion of Project Pragati 1<sup>st</sup> batch was celebrated on 29th April at Adani House, Mundra in esteemed presence of Mr Vikram Tandon, Chief Human Resource Officer, Adani Group, Shri Vasant Gadhavi ,Executive Director, Adani Foundation and Mr Rakshit Shah, Executive Director, APSEZ. Other dignitaries who graced the occasion were Mr AnilKumar Kalaga, , Mr. Charles Douglas, CEO, Mundra and Tuna Ports, Jatin Trivedi, COO, Adani Skill Development Centre and all HR and Department heads of APSEZ, Power, Solar and Wilmar.

The event celebrated by distributing skill training certificate to 52 fisherfolk students, who were trained under Mason and Assistant Electrician job roles under Adani Saksham. All training along with their community leaders shared heartwarming testimonials and expressed emotion of gratitude towards Adani Foundation for providing them skill training opportunities.

## EVENTS



Adani Foundation ,Mundra celebrated **World Earth Day on 22nd April 2022** by distributing 'HomeBio-Gas Kits' to 100 farmers Program intense is to gather 'ધરતી પુત્રો' who share similar mindset and have determined to use Home Bio-Gas to witness social, economical and environmental impact.

Program was graced by Rakshit Shah, Executive Director, APSEZ along with below mentioned esteemed Guests.

1. Manojbhai Solanki, Trustee, Shree Ram krushna Trust, KUKMA
2. Prof. Mrugesh Trivedi , Scientist, Kutch University
3. Kalpesh Maheshwari, Project Officer, Atma, Bhuj
4. Dr. U.N Tank, KVK, Mundra
5. Ms. Riddhi Patel, Officer, kutch
6. Shaileshbhai Vyas, Satvik Sanstha, Kutch
7. Shantilal Patel, Officer, Mundra



Adani Foundation Mundra has celebrated the **International Disability day on 3<sup>rd</sup> Dec** since 2011 with lots of enthusiasm and Zeal in coordination with District Social Welfare office by planning various support to divyang people.

Current year in line of the international Disable day Theme "Transformative solutions for inclusive development: the role of innovation in fueling an accessible and equitable world." Adani Foundation has organized "Divyang Job Fair" in coordination with 11 SEZ Industries at Mundra on 2nd December 2022. More than 50 Divyang had applied for interview out of them 06 were selected For Job.

Apart that Divayand Aid and equipment (Limb, Chair was Supported In the Esteem Presence of Respected Rakshit sir-EDM, APSEZ, Mundra.

## EVENTS



**World Environment Day was celebrated on 5<sup>th</sup> June** in association with Ayi Shree Vishrimata Seva Trust and Gram Panchayat, Moti Bhujpur at Vishri mata Temple and pledged to plant 51000 for which Gram Panchayat will take responsibility to nurture trees throughout this year.

program was organized at Vishrimata mandir with tree planation activity on this occasion Shree P T Prajapati - Sub Divisional Magistrate remain present and address Public to Nurture environment for Future.



Adani foundation Mundra has celebrated **International women day** on 8<sup>th</sup> march at different location of Mundra and Bhuj in coordination with District Animal health department and Sarhad Dairy the day was celebrated at Mundra with Appreciation of best 10 cattle owner women of Mundra who did remarkable work with Sarhad dairy. On this Occasion Dr Thakkar ( DAHO) and Dr Lalani ( cheif Sarhad dairy) appreciated efforts of Adani foundation in animal vaccination and Animal health care in Mundra. More than 210 cattle owner women remained present.

District Level celebration was done at Bhuj GKGH with Lunching OF Punya sloka book (Stories of 37 empowered women), A Book Written By Adani foundation employee Mrs. Purvi Goswami on The successful women of Kutch. More than 300 Women had participated.



## EVENTS



National Farmer day on 22 dec with Honoring Women Farmers.



Animal Husbandry Awareness Program



International wet land ay Celebration Through Poster presentation Competition



Teacher Day & Youth Day Celebration



No Tobacco day celebrated by creating awareness to take preventive measures for workforce



International Yoga Day celebration in coordination with sub divisional Magistrate Mundra.

## EVENTS



International coastal Day celebration  
at Mandavi with Cleanliness Drive



Adani foundation and Agri  
Department jointly organized  
district level workshop on Natural  
Farming Practice with Gram Seval



The International Mangrove Day for  
the Conservation of the Mangrove  
Ecosystem is celebrated

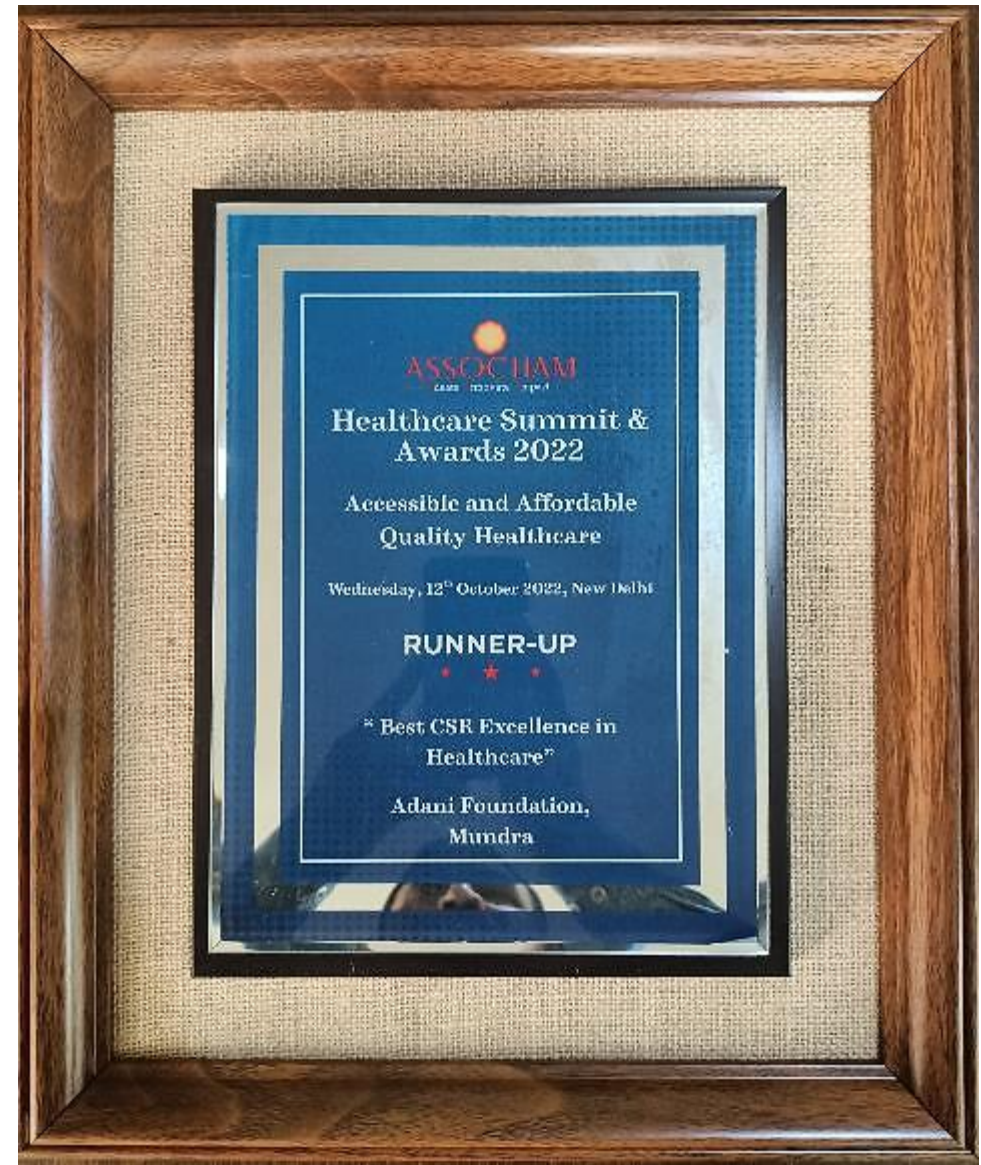


# AWARDS

## ASSOCHAM AWARD FOR HEALTH CARE

Adani Foundation's Community Health project received runner-up position in 'Best CSR excellence award in Healthcare' Associated Chamber of Commerce and Industry of India (ASSOCHAM) in Award ceremony organized at Delhi on 12th October 2022. Community Health project has participated in the grand event to accept the Award on behalf of Adani Foundation, Mundra site.

The award was presented by Chief Guest - Ms Roli Singh, Additional Secretary & Mission Director (NHM), Ministry of Health and Family Welfare, Govt. of India and Dr. Upasana Arora, Co-Chairperson, ASSOCHAM Healthcare Council and Chairperson, Yashoda Super Specialty Hospital.



## Awards and Recognition



Adani Foundation participated in QCFl awards on 4<sup>th</sup> Feb 2023.

Presented Women Empowerment initiatives and received Diamond award for exemplary work done by Adani Foundation for empowering rural women.



our services were appreciated by representative of Ministry of Health Government India, WHO, Union and more than 52 corporate companies present in the National conference on Multisectoral corporate engagement towards TB elimination.



## Awards and Recognition



Received appreciation letter from District  
Animal Welfare Departent for  
commendable work for Cattles affected  
by Lumpy Virus



Jyoti ben tank received Awaard from Vice Precident in Amazing Indians Awards who is member of Prakrutik Sahkari Mandali supported by Adani Foundation.

## Support to children lost their parents in Morbi bridge collapsed incidence



Adani Foundation supported 25 Lacs each for 20 children who lost their single/both the parents. Adani foundation was honored by IAS G T Pandya Collector and District magistrate of Morbi district for helping children who lost their parents in Morbi bridge accident.

One step forward towards growth with goodness...

Children residing at Morbi, Kutch, Ahmedabad, Rajkot and Dwarka who lost their single or both parents in Morbi Julta Bridge collapse incidence received support of 25 lacs each from Adani Foundation.

Representatives from Adani Foundation, Karsanbhai and Jagrutiben visited above districts to check on the affected children and also met with SBI bank officials, collectors regarding disbursal of amount. 10 Children received amount in their respective bank accounts. For others, work is under process.





# Capacity Building Training



Adani foundation team visited Lakhond and Chandrani plant of sarhad Dairy. These three plant out of which two plant milk processing and packing and another plant cattle feed plant were Mr.Nilesh Jalankar, General Manager provided information about how cooperatives work in the field and about their supply chain management.



Adani Foundation team attended Capacity Building Training Program on 3<sup>rd</sup> and 4<sup>th</sup> of October on Adani Competency building and mapping. The training session was conducted by expert trainer Mr Kamal Dabbawala. Two days sessions were filled with theory sessions, Activity based learning and discussion-based learning.

## Awards and Recognition

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## Beneficiaries List

Sr. No	Program	Direct	Indirect	Remarks
1	Education	3505	14020	UT than Mundra
2	AVMB-Vidhya mandir	568	2840	AVMB -Students
3	Community Health-Mundra	35832	141130	Rural clinic, MHCU,Health camp, AHMUPL
5	AHMUPL	42455	127365	OPD & IPD Patients
6	SLD-Women	1359	6795	SHG Group & Individual Income Generation
7	SLD-Agri & Animal Husbandry	7718	30768	Fooder,Home biogas, Farmers training, Cow based farming -20,Cattle camp Etc.
8	SLD -Fisherfolk	5957	4476	Education, Mangrove, Potable -Water and Livelihood
9	CRC-Gov Schemes	1106	5530	Government Schemes
10	CID	11767	47054	Fishermen Amenities & Other Rural Infra Work
11	Nakhtrana	1209	4836	UT than
12	AKBTPL,Tuna	10071	16373	Rural clinic, MHCU,Health camp, Drinking Water,Fooder Support, Infra Work
13	Bite	2500		Pond deepening Dhrubhi and Bitu
15	ASDC,Bhuj	2188	10940	soft skill and DL .GDA & Online Training
16	ASDC,Mundra	2518	32590	Technical & Non-Tech DL .GDA Training
17	Uddan	27377		Students
<b>Total</b>		<b>156130</b>	<b>444417</b>	

## Financial overview – Adani Foundation Mundrta

### Executive Summary – Budget Utiliaztion FY 2022-23

Sr No	Particulars	Approved Budget F.Y. 2022-23			Utilization 2022-23	% of utilization
		CAPEX	OPEX	Total		
A	General Management and Administration	1.80	92.35	94.15	98.45	104.56%
B	Education	0.40	141.93	142.33	124.36	87.37%
C	Community Health	-	294.97	294.97	242.16	82.10%
D	Sustainable Livelihood Development	-	466.40	466.40	359.85	77.15%
E	Community Infrastructure Development	-	219.51	219.51	133.88	60.99%
F	EDM Recommended Projects	-	100.00	100.00	98.83	98.83%
	<b>Total AF CSR Budget :</b>	<b>2.20</b>	<b>1,315.16</b>	<b>1,317.36</b>	<b>1,057.53</b>	<b>80.28%</b>
[I]	Adani Vidya Mandir-Bhadreshwar	6.88	255.44	262.32	221.76	84.54%
[II]	Project Udaan-Mundra	-	314.74	314.74	248.20	78.86%
	<b>TOTAL Budget with AVMB &amp; UDAAN F.Y. 2022-23 :</b>	<b>9.08</b>	<b>1,885.34</b>	<b>1,894.42</b>	<b>1,527.49</b>	<b>80.63%</b>













THANK YOU