

adani

Ports and  
Logistics

APSEZL/EnvCell/2021-22/028

Date: 18.05.2021

To

Deputy Director General of Forest (Central),  
Ministry of Environment, Forest and Climate Change,  
Regional Office (WZ), E-5, Kendriya  
Paryavaran Bhawan, Arera Colony,  
Link Road No. - 3, Bhopal - 462 016.  
E-mail: [rowz.bpl-mef@nic.in](mailto:rowz.bpl-mef@nic.in), [eccomplinace-guj@gov.in](mailto:eccomplinace-guj@gov.in)

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

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

Dear Sir,

Please refer to the above cited reference for the said subject matter. In connection to the same, it is to state that copy of the compliance report for the Environmental Clearance for the period of April-October-2020 to March-2021 is being submitted through soft copy (e-mail communication).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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



Douglas Charles Smith  
Chief Executive Officer  
Mundra & Tuna Port

CD attached

Encl: As above

Copy to:

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

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

25/05/2021

# 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-2020 to March-2021

# **Compliance Report of Environment Clearance**

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</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)**. Copy of letter is attached as **Annexure – 1**.



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</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 31-03-2021
<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>Environment Audit is being carried out on six monthly basis through reputed institute approved by GPCB. Soil and ground water quality monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Last Audit Report (Apr'20 to Sep'20) was submitted to GPCB on 03.12.2020. Acknowledgement copy of the same is attached as <b>Annexure – 2</b>.</p>
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	<p>Complied.</p> <p>Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.</p> <p>Analysis reports are submitted to GPCB every month and acknowledgement of last report (March'21) submitted to GPCB is attached as <b>Annexure – 3</b>.</p>
3	Industries having high pollution potential like dyes and dye intermediates, bulk drugs and intermediates, pesticides etc. shall not be allowed in MPSEZL in	<p>Complied.</p> <p>Presently Textile, Chemical, warehouse, oil, steel CFS, electronic and food products category industries are available in SEZ area.</p> <p>At present there is no such industry within APSEZ as</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
	such proportion that effluent received at the CETP always meets with the inlet norms.	mentioned in the condition. Inlet norms of effluent for CETP are mentioned at specific condition no. 6. Effluents from any industry are allowed only if they comply with inlet norms of CETP.
4	Fresh water requirement for the CETP shall be 100 KL/day, which shall be sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water shall be tapped for the project.	Complied.  Fresh water requirement for CETP is ranging from 4 to 5 KL/Day, which is sourced through Narmada water supply through Gujarat Water Infrastructure Ltd. (GWIL) and Desalination plant of APSEZ. No ground water is being tapped.  Details of water consumption are given as <b>Annexure – 4.</b>
5	The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).	Complied.  The average quantity of effluent & sewage received in CETP from member units as well as sewage from Mundra village was 850 KL/Day and treated water discharge from the CETP 840 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 industry. Details on quantity received from industry and treated water discharge are attached as <b>Annexure – 4.</b>
6	The total quantity of effluent discharge (including industrial effluent and sewage overflow from septic tank – soak pit) from the member units shall not exceed 17000 KL/ Day (17 MLD) and it shall be conveyed through underground pipeline to the CETP for further treatment. The effluent discharge from the CETP member units (cluster or individual unit) shall confirm to the following CETP inlet norms framed by the MUPL:	Complied.  The average quantity of effluent & sewage received in CETP from member units as well as sewage from Mundra village was 850 KL/Day and treated water discharge from the CETP 840 KL/Day respectively during the compliance period.  There are only two member industries of CETP as on date for industrial effluent and four members units for domestic sewage including Mundra village as well as APSEZ common facility. Entire wastewater is being transferred through underground pipeline only. On avg. 840 KL/ Day treated water from CETP was reused 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 submitted to GPCB every month and proof showing the same is attached as <b>Annexure –</b>

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

Sr. No.	Conditions		Compliance Status as on 31-03-2021																																			
	Parameter	CETP inlet norm of MUPL	<b>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. Pollucon Laboratories Pvt. Ltd. and the same is being submitted to GPCB every month and proof showing the same is attached as <b>Annexure – 3</b> . Summary of the same for duration from Oct'20 to Mar'21 is mentioned below.  <b>CETP Inlet:</b> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit<sup>§</sup></th></tr><tr><td>pH</td><td>--</td><td>7.27</td><td>8.36</td><td>6.5 – 8.5</td></tr><tr><td>SS</td><td>mg/L</td><td>29</td><td>135</td><td>800</td></tr><tr><td>TDS</td><td>mg/L</td><td>1876</td><td>2068</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>171</td><td>371</td><td>2000</td></tr><tr><td>BOD</td><td>mg/L</td><td>32</td><td>95</td><td>1000</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>8.52</td><td>28.40</td><td>50</td></tr></table> <p><sup>§</sup> as per CC&amp;A granted by GPCB</p> Please refer <b>Annexure – 5</b> for detailed analysis reports.  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.  MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and details of the same was submitted to the MoEF&CC along with half yearly compliance report April– 2016 to Sep – 2016.	Parameter	Unit	Min	Max	Perm. Limit <sup>§</sup>	pH	--	7.27	8.36	6.5 – 8.5	SS	mg/L	29	135	800	TDS	mg/L	1876	2068	2100	COD	mg/L	171	371	2000	BOD	mg/L	32	95	1000	Ammonical Nitrogen as NH3-N	mg/L	8.52	28.40	50
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	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	50 mg/l																																				
	Ammonical Nitrogen	3 mg/l																																				
	Copper	3 mg/l																																				
	Nickel																																					

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021															
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 ketal Specialty Catalyst 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 ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	85 KLD	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD
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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 waste water 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 waste water generated at the CETP will also be treated in the CETP.	<p>Complied.</p> <p>Sewage from member industries, APSEZ common facility and Mundra village is collected into collection tank, which is transferred to CETP at average rate of 740 KL/Day through pipeline.</p> <p>Average generation of domestic wastewater is ranging from 1.0 to 1.5 KL per day at the CETP and the same is treated in the CETP itself along with industrial effluent.</p>															
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment	<p>Complied.</p> <p>MUPL has established the adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.</p>															

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Sr. No.	Conditions	Compliance Status as on 31-03-2021																																			
	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>Present installed capacity of CETP is 2.5 MLD.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Oct'20 to Mar'21 is mentioned below.</p> <p><b>CETP Outlet:</b></p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit<sup>\$</sup></th></tr><tr><td>pH</td><td>--</td><td>7.64</td><td>8.32</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>15</td><td>26</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>1683</td><td>1982</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>121</td><td>178</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>21</td><td>34</td><td>100</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>1.14</td><td>25.60</td><td>50</td></tr></table> <p><sup>\$</sup> as per CC&amp;A granted by GPCB</p> <p>Please refer <b>Annexure – 5</b> for detailed analysis reports. Approx. INR 19.17 Lakh is spent for all environmental monitoring activities for APSEZ, Mundra during the FY 2020-21 for overall APSEZ, Mundra.</p> <p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB is also doing sampling and analysis of CETP inlet and outlet sample at every month and latest analysis report is attached as <b>Annexure – 6</b>, which shows that all the parameters are well within the permissible norms.</p>	Parameter	Unit	Min	Max	Perm. Limit <sup>\$</sup>	pH	--	7.64	8.32	6.0 – 9.0	SS	mg/L	15	26	100	TDS	mg/L	1683	1982	2100	COD	mg/L	121	178	250	BOD	mg/L	21	34	100	Ammonical Nitrogen as NH3-N	mg/L	1.14	25.60	50
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11	The treated effluent from the CETP conforming to the GPCB norms shall be 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	<p>Complied.</p> <p>Average 840 KL/Day treated effluent was used for plantation/gardening within the premises of CETP and other areas 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 119.11 Ha.</p>																																			



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
	CRZ permission during high rainy days.	
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 effluent from CETP is supplied through only one outlet for gardening purpose.</p> <p>MUPL CETP has installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report April– 2016 to Sep – 2016.</p> <p>Quality of treated effluent from CETP meets with GPCB norms. Refer specific condition No. 10 for test result summery.</p> <p>Please refer <b>Annexure – 5 &amp; 6</b> showing quality of treated effluent during this compliance period.</p>
14	The MUPL shall instruct and make sure that each contributing member (cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	<p>Complied.</p> <p>An agreement is made with the respective units to provide storage facility for retention.</p> <p>At present the industrial effluent from two units is received for treatment at the CETP. Both the units have storage tanks of 100 &amp; 50 KL, which is sufficient to store the effluent for at least one day.</p>
15	The MUPL shall give time slot to the contributing member units for	<p>Complied.</p> <p>At present there are only two member industries of CETP for</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
	discharge of effluent and implement a mechanism for ensuring that the member units adhere to the same.	industrial effluent discharge and time slot has been given to each industry for discharging their industrial effluent.
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	<p>Complied.</p> <p>MUL verifies the data of wastewater generation produced by the member units and matches with the inlet meter reading to make sure the entire effluent quantity is supplied to CETP.</p>
17	The MUPL shall be responsible for proper conveyance of effluent from their member units to the CETP. To distinguish the effluent conveyance pipelines from other pipelines, they should be coated with special colour. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member units.	<p>Complied.</p> <p>Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units.</p> <p>Daily monitoring of effluent conveyance pipeline and regular maintenance of pump, valve and panel is carried out. Periodical maintenance is carried out to avoid leakage.</p>
18	Magnetic flow meters shall be provided at the inlet and outlet of the CETP as well as ETP outlets of the CETP member units and records for the same shall 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	<p>Complied.</p> <p>pH meter is provided at CETP inlet, equalization tank and neutralization tank for continuous monitoring of pH.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2021
	shall be provided at the CETP for diverting effluent with the CETP inlet norms, in case of unforeseen circumstances.	Equalisation tank having capacity of 1700 KL is capable to take care of unforeseen circumstances.
20	The MUPL shall also install pH sensor with alarm device at final outlet to ensure that effluent being discharge is always neutral.	<p>Complied.</p> <p>MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters with alarm/alert system in case of exceedance. It is also connected with GPCB as well as CPCB server. Information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report Apr – 20 16 to Sep – 20 16.</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>
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 HCl are provided with stand by pumps. Photographs showing the same were submitted as part of compliance report for the duration of Apr'17 to Sep'17.</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	<p>Complied.</p> <p>Treated effluent 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</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
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Sr. No.	Conditions	Compliance Status as on 31-03-2021
	untreated effluent within the CETP premises.	within the CETP premises.
23	The MUPL shall provide impervious tanks / HDPE tanks / impervious guard ponds to hold effluent for at least 48 hours in the case of either maintenance of the CETP or process disturbances and any untreated effluent shall never be discharged into the environment.	<p>Complied.</p> <p>Two nos. of Guard Ponds having RCC Structure with total capacity of 3000 KL for storage are available within CETP to ensure no untreated effluent discharge into environment.</p>
24	In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the CETP shall be installed, so that the CETP shall always be operated round the clock even in case of power failure.	<p>Complied.</p> <p>D.G. Set having 380 KVA capacity has been provided as stand-by which is equivalent to the power requirement to run CETP.</p>
25	The MUPL will maintain daily log books for the quantity and quality of effluent discharged by the member units, quantity and quality of inflow into the CETP, details of the treatment at each stage of the CETP including the chemicals used. MLSS/ MLVSS & DO concentrations in Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and	<p>Complied.</p> <p>Log books 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 we are receiving only avg. 850 KLD effluent from member industries.</p> <p>Last sludge disposal was carried out through co-processing on 10.11.2020 at registered TSDF site as SEPPL, Bhachau. The disposal quantity was 2.26 MT. Copy of manifest is attached as <b>Annexure – 8</b>.</p> <p>The sludge generated thereafter is stored in dedicated</p>

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	quality of effluent utilized for plantation / gardening, quantity and quality of effluent discharged to deep sea through outfall system of MPSEZL etc. Details of the member units failing to comply with the CETP inlet norms shall be submitted to the GPCB on regular basis.	storage area and will be disposed to approved TSDF site. The membership of SEPPL – TSDF site has been renewed on 18.12.2020 for further five years and copy of valid membership certificate is attached as <b>Annexure – 9</b> . MUL has also done agreement with M/s. Ambuja Cement Ltd., Kodinar for co-processing of CETP sludge for energy recovery as an environment sound practice for disposal of hazardous waste in line with 5R (Reduce-Reuse-Recycle-Reprocessing-Recovery) principle. The copy of agreement is attached as <b>Annexure – 10</b> .
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.	Complied.  Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP.  Competent technical staff is deployed for monitoring and analysis of environmental parameters.
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.	Complied.  Daily analysis data are submitted to GPCB on monthly basis and proof showing the same is attached as <b>Annexure – 3</b> .  Third party analysis of the treated water is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd., Surat.  MUL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly.  GPCB Sample analysis reports are attached as <b>Annexure – 6</b> , which shows that all the parameters are well within the permissible norms.  Also refer Point no. 10 for further details.
28	The company shall also	Complied.



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	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. Pollucon Laboratories Pvt. Ltd. and report of the same is also being submitted to the GPCB every month. Proof showing the same is attached as <b>Annexure – 3</b>.</p> <p>Monitoring report for the period from Oct'20 to Mar'21 is attached as <b>Annexure – 5</b>. Approx. INR 19.17 Lakh is spent for all environmental monitoring activities during the FY 2020-21.</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. Please refer point no. 1 for further detail upon audit report submission.</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 and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.	<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 – 11</b>.</p>
31	Ground water quality shall be monitored on	Complied.

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	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>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 – 5</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 – 5</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. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Oct'20 to Mar'21 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>Max</th><th>Min</th><th>Perm. Limit<sup>§</sup></th></tr><tr><td>PM<sub>10</sub></td><td>µg/m<sup>3</sup></td><td>93.43</td><td>38.42</td><td>100</td></tr><tr><td>PM<sub>2.5</sub></td><td>µg/m<sup>3</sup></td><td>54.36</td><td>15.64</td><td>60</td></tr><tr><td>SO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>26.59</td><td>6.5</td><td>80</td></tr><tr><td>NO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>45.32</td><td>14.52</td><td>80</td></tr></table> <p><sup>§</sup> as per NAAQ standards, 2009</p> <p>Please refer <b>Annexure – 5</b> for detailed analysis reports. Approx. INR 19.17 Lakh is spent for all environmental monitoring activities during the FY 2020-21 for overall APSEZ, Mundra.</p>	Parameter	Unit	Max	Min	Perm. Limit <sup>§</sup>	PM <sub>10</sub>	µg/m <sup>3</sup>	93.43	38.42	100	PM <sub>2.5</sub>	µg/m <sup>3</sup>	54.36	15.64	60	SO <sub>2</sub>	µg/m <sup>3</sup>	26.59	6.5	80	NO <sub>2</sub>	µg/m <sup>3</sup>	45.32	14.52	80
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	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
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34	<p>The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.</p>	<p>Complied.</p> <p>MUL has been granted Authorization vide Order No. AWH – 79311 dated 02.06.2016, Valid up to: 07.04.2021 from GPCB, Gandhinagar. All the hazardous waste generated from premises is being disposed as per Hazardous &amp; Other Waste Rules – 2016.</p> <p>Please refer condition no. 25 for HW disposal details. Renewed TSDF membership certificate is attached as <b>Annexure – 5</b>.</p> <p>MUL has also been granted amendment in CC&amp;A vide Order No. WH-107851, dtd. 17.04.2020, Valid up to: 07.04.2021 from GPCB, Gandhinagar for receiving 1.5 MLD domestic sewage from Mundra village for treatment and inclusion of one hazardous waste. Details of the same were submitted along with last half yearly compliance report for the period Oct'19 to Mar'20.</p> <p>MUL has already applied for renewal of CC&amp;A vide inward no. 189610, dated 03.02.2021 and it is under scrutiny at GPCB. The acknowledge copy of CC&amp;A-Renewal application is attached as <b>Annexure – 12</b>.</p> <p>The validity of CC&amp;A will be expired on 07.04.2021, however as per GPCB circular vide letter no. GPCB-T-121(3)/M.S.-12 dated 19.04.2021, the CC&amp;A validity of all the units is extended up to 30.06.2021 due to COVID pandemic. Circular copy is attached as <b>Annexure – 13</b>.</p>
35	<p>CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.</p>	<p>Complied.</p> <p>Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.</p>
36	<p>CETP waste shall be disposed at authorized common TSDF facility. The company shall</p>	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility. MUL have obtained</p>

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	necessary permission of the TSDF operator for disposal of CETP sludge.	<p>membership with TSDF operator SEPPL, Bhachau for the same.</p> <p>CETP is designed having 2.5 MLD capacities, against that at present we are receiving only 850 KLD effluents from member industries.</p> <p>Please refer condition no. 25 for HW disposal details and TSDF membership.</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 units only.</p> <p>Please refer condition no. 25 for HW disposal details and TSDF membership.</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 HCl are provided with stand by pumps to avoid human exposure.</p>
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls shall be provided to the storage tanks. Closed handling	<p>Complied</p> <p>There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical dosing.</p>

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	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 CETP is subsidiary unit of Adani Ports and Special Economic Zone Limited. The Occupation Health Centre of APSEZ is accessible in case of emergency or regular medical check-up of workers. In addition, there is also a Multispecialty Hospital within the APSEZ area at a distance of approx. 3 Km from the CETP.</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 tool box 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 undertaken as per the Factory Act & Rules.	<p>Complied.</p> <p>Pre-employment and periodical medical examination is being carried out. There was no any new employment done during compliance period.</p> <p>Details of periodical medical examination report of the employees were submitted along with last half yearly compliance report for the period Apr'20 to Sep'20.</p> <p>Pre-employment and periodical medical examination is being carried out as per defined HR policy.</p>
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	<p>Not Applicable</p> <p>No hazardous chemicals are transported during the compliance period.</p>
48	The overall noise level in	Complied.



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	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.	<p>Noise level monitoring is being carried out on monthly basis by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Oct'20 to Mar'21 is mentioned below.</p> <p><b>Monitoring Locations &amp; Frequency: 02 (Once in a month – 24 Hourly)</b></p> <table><tr><th>Parameter</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Perm. Limit*</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>44.2</td><td>73.8</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>40.7</td><td>68.4</td><td>70</td></tr></table> <p>* As per CC&amp;A granted by GPCB</p> <p>Please refer compliance condition no. 32 for further details.</p> <p>Monitoring report for the period from Oct'20 to Mar'21 is attached as <b>Annexure – 5</b>. Approx. INR 19.17 Lakh is spent for all environmental monitoring activities during the FY 2020-21 for overall APSEZ, Mundra.</p>	Parameter	Unit	Leq Min	Leq Max	Leq Perm. Limit*	Day Time	dB(A)	44.2	73.8	75	Night Time	dB(A)	40.7	68.4	70
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Day Time	dB(A)	44.2	73.8	75													
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49	The MUPL shall develop green belt within premises as per the CPCB guidelines, preferably with local species, and shall submit an action plan of plantation for next three years to the GPCB.	<p>Complied.</p> <p>APSEZ has developed its own “Dept. of Horticulture” which is taking measures/ steps for terrestrial greening and developed 19.71 hectare of green belt with the density of 1577 trees per hectare within CETP &amp; WTP premises. Total 31083 trees are planted within CETP &amp; WTP premises. So, far APSEZ have developed 476.5 ha. area as greenbelt with plantation 9.9 Lacs saplings within the APSEZ area.</p> <p>Details of the green belt development activity done by APSEZ Mundra are attached as <b>Annexure – 14</b>.</p>															
<b>B. General Conditions</b>																	
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	<p>Already complied.</p> <p>Construction for 2.5 MLD CETP is completed and the same is</p>															

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	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.	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.
52	In the event of the CETP's not functioning as proposed / breakdown of the CETP, the CETP member units shall be immediately intimated to stop discharging the effluent / to shut down their plants immediately. The effluent from the member units shall not be received at CETP until the desired efficiency of the CETP has been achieved.	<p>Point noted and agreed.</p> <p>CETP has functioned as per designed efficiency and meeting with GPCB discharge norms during the entire compliance period. Hence no such event to stop collecting the effluent is required.</p>
53	If the CETP fails to achieve the GPCB norms at its outlet; the individual units shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.	<p>Point noted and agreed.</p> <p>CETP is functioning with the designed efficiency and meeting with GPCB discharge norms during the entire compliance period.</p> <p>Individual members have their own ETPs which provides necessary treatment to achieve GPCB norms.</p>
54	The MUPL shall ensure that each & every member renews the agreement on / before expiry of said agreement and shall inform the	<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</p>

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	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.	membership has occurred during the compliance period of Oct'20 to Mar'21.
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 compliance report for the period Oct'19 to Mar'20.</p> <p>MUPL is allowing any new member or enhance effluent quantity of existing members, when they have prior requisite permissions from competent authorities.</p>
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.</p>
57	Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be 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 MUPL. Photographs of all the maintenance work done during compliance period of Oct'20 to Mar'21 is attached as <b>Annexure – 15</b>.</p> <p>No floor washing activity was carried out during the compliance period.</p>
58	During effluent transfer,	Point noted.

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	spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Effluent is being transferred to CETP by dedicated pipeline. No major accidental spillage has occurred during this compliance period.
59	Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.	Complied.  Effluent is being transferred by effluent transfer pipeline while for storm water, a separate storm water drain is provided in CETP which remains dry throughout the year except monsoon.
60	The MUPL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.	Complied.  No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well during this compliance period.
61	The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief 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. Allocation of separate budget has also been done.  Environment Management Cell Organogram is attached as <b>Annexure – 16</b> .
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should	Complied.  Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget

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Sr. No.	Conditions	Compliance Status as on 31-03-2021				
	be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	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 2020-21 is to the tune of INR 1257 lakh. Out of which, Approx. INR 1086 lakh are spent during the year 2020-21. Detailed breakup of the expenditures for the past 3 years is attached as <b>Annexure – 17</b> .				
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<p>Complied.</p> <p>MUL is co-developer of APSEZ and APSEZ is actively working with local community around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation. Adani Foundation is working in main four persuasions as below.</p> <ul style="list-style-type: none"><li>➤ Education</li><li>➤ Community Health</li><li>➤ Rural Infrastructure</li><li>➤ Sustainability Livelihood</li></ul> <p>Brief information about activities in the main four persuasions is mentioned below. Other than this, Adani Foundation has also worked for fight against COVID – 19 pandemic situation during this compliance period Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Fight Against COVID-19</td><td><ul style="list-style-type: none"><li>• <b>24 villages</b> of Mundra block Sanitized.</li><li>• <b>5500</b> - Ration kit support to needy people (Specially Fisherman, daily wedge workers, widows and senior citizen).</li><li>• <b>1900</b> - Daily Food Facility (Breakfast, Lunch, Diner) for 1900 Labour per day</li><li>• <b>105000</b> - Mask prepared by women SHG for Government officers / staff of SDM, ICDS, TDO, Custom, THO, Police Dept. etc.</li><li>• <b>158</b> - Taken care of Senior citizens at old age home.</li><li>• <b>35000</b> - 'AwazDe' a voice message campaign in local Kutchi language.</li><li>• Total <b>3368</b> Covid patients got treatment from overall Ktuch with satisfaction in General hospital, Bhuj.</li><li>• Awareness drives by SuPoshan Sanginies.</li><li>• Mobile health care unit provides Primary treatment at door stap.</li><li>• We have started Ayurvedic Kwadh Distribution at Various</li></ul></td></tr></table>	Area	Activity	Fight Against COVID-19	<ul style="list-style-type: none"><li>• <b>24 villages</b> of Mundra block Sanitized.</li><li>• <b>5500</b> - Ration kit support to needy people (Specially Fisherman, daily wedge workers, widows and senior citizen).</li><li>• <b>1900</b> - Daily Food Facility (Breakfast, Lunch, Diner) for 1900 Labour per day</li><li>• <b>105000</b> - Mask prepared by women SHG for Government officers / staff of SDM, ICDS, TDO, Custom, THO, Police Dept. etc.</li><li>• <b>158</b> - Taken care of Senior citizens at old age home.</li><li>• <b>35000</b> - 'AwazDe' a voice message campaign in local Kutchi language.</li><li>• Total <b>3368</b> Covid patients got treatment from overall Ktuch with satisfaction in General hospital, Bhuj.</li><li>• Awareness drives by SuPoshan Sanginies.</li><li>• Mobile health care unit provides Primary treatment at door stap.</li><li>• We have started Ayurvedic Kwadh Distribution at Various</li></ul>
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**Status of the conditions stipulated in Environment Clearance**

Sr. No.	Conditions	Compliance Status as on 31-03-2021																																				
		Public spot, Our Port Entry & Exit gate and APL, AKBTP, Tuna with spreading awareness to mitigate rapid transition to combat against Covid -19. More than 6500 people had benefitted with Ukadoand Vitamin –C tablet from Mundra, Baroi, Shantivan & Samudra Township.																																				
	Community Health	<p><b><u>Community Health – Mundra</u></b></p> <table><tr><th colspan="4">Community Health All Project Patient Details</th></tr><tr><th>Project</th><th>Direct Beneficiary</th><th>In-Direct Beneficiary</th><th>No. of Villages</th></tr><tr><td>Medical Mobile van</td><td>16611</td><td>66476</td><td>33</td></tr><tr><td>Rural Clinic</td><td>15797</td><td>63192</td><td>11</td></tr><tr><td>Medical Supports</td><td>1008</td><td>5040</td><td>63</td></tr><tr><td>Dialysis Supports</td><td>474</td><td>2370</td><td>63</td></tr><tr><td>Senior citizen</td><td>5836</td><td>17508</td><td>63</td></tr><tr><td>Health camp</td><td>19461</td><td>58383</td><td>11</td></tr><tr><td><b>TOTAL</b></td><td><b>59187</b></td><td><b>212979</b></td><td></td></tr></table> <ul style="list-style-type: none"><li>• The mobile health care unit cover <b>25 villages and 07 fishermen settlements</b>. Around 90 types of general life saving medicines are available in these units.</li><li>• Rural Dispensaries are established where there is a gap in the healthcare services. The Adani Foundation operates Rural Dispensaries in 7 villages of <b>Mundra block, 03 villages of Anjar block and 1 clinics in Mandvi Block</b>. Mobile dispensary and rural clinics provide health services with token charge of <b>10/- rupees per patient</b> daily by a doctor and a volunteer.</li><li>• During the year 2020-21, total <b>5836</b> transactions were done by <b>8711 card holders of 68 villages</b> of Mundra Taluka. They received cash less medical services under Health Card to Senior Citizen project.</li><li>• In the year of 2020-21 total <b>97 people</b> had been benefitted by various kind of speciality camp and needy and screened patients are treated in Adani Hospital.</li><li>• Total <b>20959 patients</b> benefitted in year 2020-21 from 55 different villages in Adani Hospital, Mundra.</li><li>• The TDO, THO, Flywing Foundation, Ayurved Dept. has support in UKADO and Vitamin-C tablets distribution activities. Total <b>18240 people</b> had get benefits of UKADO and Vitamin-C tablets.</li></ul> <p><b><u>Community Health – Bhuj</u></b></p> <ul style="list-style-type: none"><li>• Adani Foundation Team has initiated coordination with GKGH hospital since 2014 and established a reception area for the smooth patient coordination and preparation for the social networking program.</li><li>• GKGH Hospital is COVID Care Hospital since 22<sup>nd</sup> March 2020. Adani Foundation staff members supported in patient counselling, coordinating and supporting for dead body COVID care van.</li><li>• Total <b>3368</b> Covid patients got treatment from overall Kutch with satisfaction in General hospital, Bhuj.</li><li>• Total <b>809</b> dead bodies privileged till now to different locations in Kutch including Covid Patients through Dead</li></ul>	Community Health All Project Patient Details				Project	Direct Beneficiary	In-Direct Beneficiary	No. of Villages	Medical Mobile van	16611	66476	33	Rural Clinic	15797	63192	11	Medical Supports	1008	5040	63	Dialysis Supports	474	2370	63	Senior citizen	5836	17508	63	Health camp	19461	58383	11	<b>TOTAL</b>	<b>59187</b>	<b>212979</b>	
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	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021	
			body medical van. <ul style="list-style-type: none"> <li>Mahiti Setu is linkages between various Government Schemes and beneficiaries. Through Mahiti Setu sourcing of <b>2378 beneficiaries</b> and linkages with more than <b>780 cards</b> of MAA Yojna and Ayushman Yojna.</li> </ul>
	Sustainable Livelihood – Fisher folk & Agriculture		<ul style="list-style-type: none"> <li>Average <b>75 KL</b> of water was supplied to <b>676</b> households at <b>5 fisherman vasahat</b> on a daily basis under Machhimar Shudhh Jal Yojana and other <b>4 fisherman vasahat</b> has linkaged with Narmada water through GWIL and Mundra Gram Panachayat from which <b>355 households</b> get benefited.</li> <li>Beneficiaries of fisherman communities till date               <ol style="list-style-type: none"> <li>444 Book Support</li> <li>733 Vehicle transportation from Bandar to AVMB</li> <li>86 Cycle Support</li> <li>481 Scholarship Support</li> <li>28015 Potable water provision</li> <li>370 Youth Employment</li> <li>2561 Fishing Net &amp; Equipment Support</li> <li>195 Linkages with Fisheries Scheme</li> <li>3504 Ramaotsav Community Engagement</li> <li>17 Fisherman Sea Weed Culture.</li> <li>46878 Man-days Mangroves Plantation</li> </ol> </li> <li>Girl child is supported with 100% scholarship to girls &amp; 80 % support to Male Students. Total <b>59 students</b> were facilitated with scholarship current year.</li> <li><b>4830 Man-days</b> work was provided over <b>236 Fishermen family</b> during current year.</li> <li>Avail easy and safe transportation service for the Fisher folk child of Various Vasahat to make them Regular and Synchronized with School atmosphere. Total <b>37 students</b> from 6 to 10 standard are benefitted.</li> <li><b>07 Fishermen</b> are supported for Net and Equipment <b>10 Fishermen</b> Linkage with Fisheries Department Scheme and Fishermen credit card for bankable loan.</li> <li>Total <b>70</b> Fishermen youth are selected and working in various company current year.</li> <li>Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported <b>117 home biogas</b> in Dhrub, Zarpura and Navinal Villages. Till date 117 farmers are utilizing it with satisfaction and considerable outcome by saving avg. <b>Rs. 23,400</b> for gas and fertilizer as well.</li> <li>Dragon fruit is a tropical fruit that has become increasingly popular in recent years. Five Dragon fruit farm have been developed with pole and Wire fencing support for <b>2 acre land and 1000 dragon fruit plants</b> each. Adani Foundation had given 40% contribution in this Project. Fruiting will start from June 2021.</li> <li><b>850 tissue culture plants</b> have been distributed to 34 farmers. 25plants/Farmers. Tissue plant cost is INR 3000/per plant with 50% famer Contribution.</li> <li>In <b>20 villages</b> of Mundra and Anjar Block. <b>6.70 lacs kg Dry Fodder</b> and <b>11.60 lacs kg Green fodder</b> has been supported.</li> </ul>
	Education		<ul style="list-style-type: none"> <li>In COVID19 Pandemic, when the schools were completely closed, education went on mobile platform and students</li> </ul>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021	
			<p>are still dependent on mobile internet for their education.</p> <ul style="list-style-type: none"> <li>• Total <b>2098 students</b> educated through virtual platform during year 2020-21.</li> <li>• During pandemic various capacity building program and competition organized virtually.</li> </ul> <p><b><u>Impact of the Utthan Program:</u></b></p> <ul style="list-style-type: none"> <li>• Beneficiary of Online classes - 17 Utthan Sahayaks, 17 Gov. Primary Schools, 2098 total students</li> <li>• Weekly Content of IT and Physical Education - 106 Gov. Pri. School &amp; 35000+ students</li> <li>• Virtual Mothers meet - 500+ Mothers attended meeting on Google meet</li> <li>• Capacity Building Program - 70+ Webinar attended by Utthan Sahayak, 10 Seminar/ Workshop</li> <li>• Competition/Celebration - 248 Students took part virtually</li> </ul> <p>Adani Vidya Mandir Bhadrashwar Gujrat Board Standard 10<sup>th</sup> Examination Result is 82.60% (19 students have passed the examination out of 23). Adani Foundation will take all responsibility of further study of students with respect to their interest.</p>
	Rural Infrastructure & Environmental Sustainability		<p>Adani foundation designed and build various structure and provide service in the Health, Education, agriculture and sustainable livelihood area.</p> <p><b><u>WORK COMPLETED</u></b></p> <ul style="list-style-type: none"> <li>• Approach Road Restoration at all Fisher folk vasahat.</li> <li>• Garden Development at Primary School Rampar village</li> <li>• Shed Development at Shukhpurvah Mundra</li> <li>• Bund strengthening work at Zarpara</li> </ul> <p><b><u>Bio Diversity Park – Mundra</u></b></p> <ul style="list-style-type: none"> <li>• Adani Foundation, Mundra-Kutchh proposed a biodiversity park at 5 acres Nandi Sarovar area and approached to Sahjeevan, Bhuj for technical support for same.</li> <li>• Sahjeevan team visited this proposed site for development of greenbelt to support biodiversity and enhancement of overall ecological food web existing in and around the landscape in first phase.</li> </ul> <p><b><u>Coastal Bio Diversity Park – Luni</u></b></p> <ul style="list-style-type: none"> <li>• Adani Foundation at Mundra-Kachchh has initiated multi-species plantation of mangroves in Kachchh in 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.</li> <li>• Sea Weed Culture - A pilot cultivation facility (5 KL tanks in 6 nos) for the farming of different economically important seaweeds in the tanks on the onshore has been established and commenced the cultivation trials with red sea weeds Kappaphycus alvarezii, Gracilaria dura and green sea weed Ulva. The initial trials have given very promising results and harvested 6-7 times the seeded material in a 40-45 days cultivation period.</li> </ul>
		Skill Development	<ul style="list-style-type: none"> <li>• Over the last few years, Adani Skill Development Center has assessed various aspects of the technical, leadership</li> </ul>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
		<p>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> <ul style="list-style-type: none"> <li>ASDC imparted various soft skilled and technical training to make Atma Nirbhar India. Total <b>47</b> youth have been placed in various company and <b>37</b> youth are been self-employed.</li> <li>During this year Total <b>606</b> people trained in various trainings to enhance socio economic development.</li> <li>During COVID-19 pandemic, we have started virtually training on various trades like General Duty Assistant, Digital Literacy, GST with Tally, Basic Functional English etc. On Saksham Day we started E-learning training of Digital Literacy &amp; Basic Functional English on free bases.</li> <li>Till date we admitted <b>221 candidates in domain courses and 263 candidates in non-domain courses</b>. Now we started offline training with following all Covid-19 related guidelines.</li> <li>Arranged interview of DDU-GKY GDA students at Sterling Hospital –Gandhidham, GAIMS (Sodexo), Chanakya College, Accord Hospital, Fire Academy. 39 students get placement in GAIMS (sodexo), Alilance Hospital, Shreeji Hospital, Bhuj Fire Academy, Divine Hospital etc.</li> <li>Online mud work training has been organized by ASDC Mundra, after training <b>28 students</b> became self-employed.</li> <li>Soft Skill Training: 330 Nos.</li> <li>Technical Training: 276 Nos.</li> </ul> <p>Please refer <b>Annexure – 18</b> for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR Activity for the FY 2020-21 is to the tune of INR 1429.33 lakh. Out of which, Approx. INR 1117.45 lakh are spent during the year FY 2020-21.</p>
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	<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</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
	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>stage as per requirement with requisite permissions from the competent authorities.</p> <p>No expansion or modifications in the plant has been carried out during this compliance period.</p>
66	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>Complied.</p> <p>Please refer point no. 62 for details regarding the same.</p>
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the 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	<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'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021																					
	widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.																						
68	It shall be mandatory for the project management to submit half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	<p>Complied.</p> <p>Compliance report of EC conditions is uploaded regularly. Last compliance report including results of monitoring data for the period of Apr'20 to Sep'20 was submitted to Regional Office of MoEF&amp;CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar &amp; Gandhidham and SEIAA, Gandhinagar vide our letter dated 25.11.2020. 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 25.11.2020 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Oct'17 to Mar'18</td><td>29.05.2018</td></tr> <tr> <td>2</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>3</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>4</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>5</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> <tr> <td>6</td><td>Apr'20 to Sep'20</td><td>26.11.2020</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Oct'17 to Mar'18	29.05.2018	2	Apr'18 to Sep'18	30.11.2018	3	Oct'18 to Mar'19	31.05.2019	4	Apr'19 to Sep'19	28.11.2019	5	Oct'19 to Mar'20	20.05.2020	6	Apr'20 to Sep'20	26.11.2020
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4	Apr'19 to Sep'19	28.11.2019																					
5	Oct'19 to Mar'20	20.05.2020																					
6	Apr'20 to Sep'20	26.11.2020																					
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	Already complied.																					



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Oct'20</b> <b>To : Mar'21</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 31-03-2021
	of start of project.	
71	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Point noted.
72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their amendments and rules.	Point noted.
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

# **Annexure – 1**



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

NO: PC/CCA-KUTCH-644(5)/GPCB ID: 10605/ 573949

By R.P.A.D.  
Date: 26/11/20

Amendment to Consolidated Consents and Authorization Order No: AWH-79311, dated. 02/06/2016.

(Under the provisions/rules of the aforesaid environmental acts)

To,

M/s. MPSEZ Utilities Ltd. (MUL) (New Name),

M/s. MPSEZ Utilities Pvt. Ltd. (MUPL) (Old Name),

Survey No. 141 (Part),

Village- Mundra - 370421

Tal:-Mundra,

Dist: Kutch.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management and Transboundary Movement) Rules -2016 framed under the Environment (Protection) Act-1986, the Board has granted Consolidated Consent & Authorization (CC&A) order No. **AWH- 79311** issued vide letter **NO: PC/CCA-KUTCH-644 (5)/ GPCB ID: 10605/364534 dated- 23/07/2016**, under provisions of the aforesaid Acts / Rules.

And whereas Board has received your request letter dated 18/06/2020 for change of name from **M/s. MPSEZ Utilities Pvt. Ltd.(MUPL)** to **M/s. MPSEZ Utilities Ltd. (MUL)** in CCA issued by the Board under the provision of the aforesaid Acts / Rules.

After careful consideration, CC&A order No. **AWH-79311** dated 02/06/2016 is hereby amended as under:

- The CC&A granted to **M/s. MPSEZ Utilities Pvt. Ltd.** vide order No.**AWH-79311** issued vide letter **NO: PC/CCA-KUTCH-644(5) / GPCB ID: 10605/364534 dated- 23/07/2016** is amended and name of industry shall be read as **M/s. MPSEZ Utilities Ltd. (MUL)**, now onwards.
- All other terms and conditions mentioned in the **AWH- 79311** vide letter **NO: PC/CCA-KUTCH-644(5) / GPCB ID: 10605/364534 dated- 02/06/2016** shall remain unchanged.

For and on behalf of  
Gujarat Pollution Control Board

(Smt. U.K. Upadhyay)  
Environment Engineer

*Clean Gujarat Green Gujarat*

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

# **Annexure – 2**

Env Cell/MUPL/CETP/EAR/2020/03

PCB ID: 10605

Date: 27.11.2020

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

**Subject:** Submission of Environmental Audit Report of our CETP (MUPL) for the period of 01.04.2020 to 30.09.2020.

**Reference:** CC&A Order No. AWH-79311 dated 02/06/2016, GPCB ID: 10605

Dear Sir,

With reference to the above stated and reference, please find enclosed environmental audit report for the half year ending on 30<sup>th</sup> September, 2020. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities Ltd. (Formerly, MPSEZ Utilities Pvt. Ltd.)
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-79311 dated 02.06.2016, valid up to 07.04.2021
Audit Period	:	Apr-20 to Sep-20
UTR No.	:	AXISCN0060888635, dated 09.11.2020
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  
(Formerly MPSEZ Utilities Pvt. Ltd.)

Authorized Signatory

**Encl:**

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

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

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

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

03/12/2020  
Gujarat Pollution Control Board  
Head Office  
Sector No. 10-A,  
Gandhinagar-382010

# **Annexure – 3**



Env Cell/MUL/CETP/AR/2021-22/002

Date: 06.04.2021

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.

**Ref.:** CC&A Order No. AWH – 79311, GPCB ID: 10605

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 **March – 2021**.

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

The reports are submitted here-with in view of the condition no. 40 of CC&A order granted by GPCB vide their letter no. PC/CCA-Kutch-644(2)/GPCB ID: 10605/364534 dated 29<sup>th</sup> July, 2016.

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

Authorized Signatory

CC To:

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

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

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

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

Env Cell/MUL/CETP/AR/2021-22/003

Date: 06.04.2021

To,

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

**Subject:** Submission of Monthly Analysis Reports (Third Party) of CETP operated by MPSEZ Utilities Limited.

**Ref.:** CC&A Order No. AWH – 79311, GPCB ID: 10605

Dear Sir,


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

The reports are submitted here-with in view of the condition no. 40 & 7.11 of CC&A order granted by GPCB vide their letter no. PC/CCA-Kutch-644(2)/GPCB ID: 10605/364534 dated 29<sup>th</sup> July, 2016 and EC granted by SEIAA, Gandhinagar vide their letter no. SEIAA/GUJ/EC/7(h)/43/2010 dated 20<sup>th</sup> Feb, 2010.

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

  
Authorized Signatory

**CC To:**

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

  
12/04/21  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010.

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

# **Annexure – 4**

### Annexure – 3

#### Details of Water Consumption (Oct – 20 to Mar – 21)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Oct-2020	42.0	30.0	12.0
2.	Nov-2020	205.0	80.0	125.0
3.	Dec-2020	231.0	81.0	150.0
4.	Jan-2021	39.0	25.0	14.0
5.	Feb-2021	137.0	48.0	89.0
6.	March-2021	160.0	58.0	102.0
	<b>Total</b>	<b>814</b>	<b>322</b>	<b>492</b>
	<b>Avg. per Day</b>	<b>4.47</b>	<b>1.77</b>	<b>2.70</b>

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

(Oct – 20 to Mar – 21)

Sr. No.	Month	Effluent & Sewage collected from member units + CETP in ML	Treated water Discharge in ML
1	Oct-2020	24.21	28.00
2	Nov-2020	24.66	26.05
3	Dec-2020	28.36	25.96
4	Jan-2021	28.29	23.33
5	Feb-2021	24.04	23.61
6	March-2021	24.92	26.14
<b>Total Quantity, ML</b>		<b>154.48</b>	<b>153.09</b>
<b>Avg. Quantity ML per Day</b>		<b>0.85</b>	<b>0.84</b>

# **Annexure – 5**

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

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

# **"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"**

**FOR**

**COMMON EFFLUENT TREATMENT PLANT [CETP]  
MPSEZ UTILITIES LTD (MUL)  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:  
OCTOBER 2020 TO MARCH 2021**

**PREPARED BY:****POLLUCON LABORATORIES PVT.LTD.**

**PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,  
OLD SHANTINATH SILK MILL LANE, NEAR GAYTRI FARSAN MART,  
NAVJIVAN CIRCLE, UDHANA MAGDALLA ROAD, SURAT-395007.  
PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.  
E-mail: [pollucon@gmail.com](mailto:pollucon@gmail.com) Web: [www.polluconlab.com](http://www.polluconlab.com)**

**TC - 5945****ISO 9001:2015****ISO 14001:2015****ISO 45001:2018**





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

**RESULT OF CETP INTLET**

SR. NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	March-21		
1	pH	--	7.32	7.61	7.37	7.57	8.36	7.27	6.5 to 8.5	IS3025(P11)83Re.02
2	Temperature	°C	29.5	30.2	30	30	30.1	30.2	--	IS3025(P9)84Re.02
3	Colour	Co-pt	50	50	40	50	60	40	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	135	88	69	49	57	29	800	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	4.1	6.6	5.4	5.8	4.9	5.8	20	APHA(22 <sup>nd</sup> Edition)5520D
6	Phenolic Compound	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.92	0.75	0.68	0.76	0.68	0.42	2	APHA(22 <sup>nd</sup> Edition) 4500 F D SPANDS
8	Iron	mg/L	0.86	0.78	0.82	0.68	0.53	0.38	3	AAS APHA(22 <sup>nd</sup> Edition)3111 B
9	Zinc as Zn	mg/L	Not Detected	0.056	0.18	0.24	0.21	0.17	15	AAS APHA(22 <sup>nd</sup> Edition)3111 B
10	Trivalent Chromium	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 <sup>nd</sup> Edition)3111 B
11	Sulphide as S	mg/L	Not Detected	0.80	0.7	0.93	0.92	Not Detected	2	APHA(22 <sup>nd</sup> Edition) 4500-S
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	12.68	20.2	23	28	21	9	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	72	95	58	52	47	32	1000	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	204	323	361	324	371	171	2000	APHA(22 <sup>nd</sup> Edition) 5520-D Open Reflux
15	Chloride as Cl	mg/L	839	949	806	930	876	804	1000	IS3025(P32)88Re.99
16	Sulphate as SO <sub>4</sub>	mg/L	70	128	143	163	142	128	1000	APHA(22 <sup>nd</sup> Edition)4500 SO <sub>4</sub> E
17	Total Dissolved Solids	mg/L	1896	2044	2038	2068	1876	2056	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	APHA(22 <sup>nd</sup> Edition)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 <sup>nd</sup> Edition)3111 B

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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

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

**RESULT OF CETP OUTLET**

SR. NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP OUTLET	TEST METHOD
			Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	March-21		
1	pH	--	7.64	7.98	7.76	7.8	7.93	8.32	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	29.4	30.8	30.2	30.4	30.2	30.3	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	20	40	30	20	30	20	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	22	26	22	15	21	15	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	10	APHA(22 <sup>nd</sup> Edi)5520D
6	Phenolic Compound	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.74	0.64	0.59	0.48	0.37	0.21	2	APHA(22 <sup>nd</sup> Edi) 4500 F D SPANDS
8	Iron	mg/L	0.49	0.29	0.21	0.15	0.24	0.13	3	AAS APHA(22 <sup>nd</sup> Edi)3111 B
9	Zinc as Zn	mg/L	Not Detected	0.27	0.068	0.093	0.13	0.1	15	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Trivalent Chromium	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	AAS APHA(22 <sup>nd</sup> Edi)3111 B
11	Sulphide as S	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	APHA(22 <sup>nd</sup> Edi) 4500-S
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	14.96	23.4	26	23	19	1	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	34	32	25	21	25	21	100	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	124	121	146	130	178	160	250	APHA(22 <sup>nd</sup> Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	819	799	704	775	724	734	1000	IS3025(P32)88Re.99
16	Sulphate as SO <sub>4</sub>	mg/L	42	96	103	110	93	82	1000	APHA(22 <sup>nd</sup> Edi)4500 SO <sub>4</sub> E
17	Total Dissolved Solids	mg/L	1920	1982	1936	1974	1683	1864	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	0.6	0.4	0.6	0.6	0.8	0.7	1	APHA(22 <sup>nd</sup> Edi)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 <sup>nd</sup> Edi)3111 B
20	Bio-assay Test	--	100% survival of fish after 96 hrs in 100% effluent	100% 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	OECD 203 B/IS 6582 2001

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

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

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**RESULT OF AMBIENT AIR QUALITY MONITORING**

WTP- NEAR CETP					
Sr.No.	Date of Sampling	Particulate Matter (PM <sub>10</sub> ) µg/m <sup>3</sup>	Particulate Matter (PM <sub>2.5</sub> ) µg/m <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/m <sup>3</sup>	Oxides of Nitrogen (NO <sub>2</sub> ) µg/m <sup>3</sup>
1	03/10/2020	68.56	29.57	26.59	42.50
2	07/10/2020	79.65	45.23	19.55	37.54
3	10/10/2020	86.30	48.31	20.60	45.32
4	14/10/2020	76.22	37.57	24.25	39.56
5	17/10/2020	69.42	32.45	21.20	33.23
6	21/10/2020	80.30	43.23	18.64	30.54
7	24/10/2020	78.56	35.28	23.41	41.28
8	28/10/2020	84.20	46.19	17.52	29.61
9	31/10/2020	75.36	42.36	15.40	35.67
10	04/11/2020	79.26	43.58	22.42	39.54
11	07/11/2020	86.52	48.24	14.21	30.24
12	11/11/2020	74.53	45.33	18.60	42.26
13	14/11/2020	69.38	34.51	21.23	33.54
14	18/11/2020	88.32	44.25	26.31	43.36
15	21/11/2020	76.28	37.50	19.28	37.53
16	25/11/2020	81.21	46.54	13.35	40.26
17	28/11/2020	71.55	29.43	15.31	34.54
18	02/12/2020	84.22	42.37	12.60	36.46
19	05/12/2020	75.26	33.47	16.24	31.23
20	09/12/2020	81.21	38.21	22.70	34.57
21	12/12/2020	90.32	46.54	24.28	38.39
22	16/12/2020	86.32	43.29	17.51	32.56
23	19/12/2020	78.33	39.34	21.28	35.62
24	23/12/2020	69.37	29.30	18.63	39.20
25	26/12/2020	70.22	32.47	23.49	30.61
26	30/12/2020	83.53	37.50	14.67	33.26
27	02/01/2021	82.63	44.58	15.62	27.53
28	06/01/2021	73.84	41.54	13.49	29.64
29	09/01/2021	69.54	36.51	19.23	33.44
30	13/01/2021	75.76	47.54	17.71	30.34

Continue ...

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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

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

WTP/ NEAR CETP					
Sr.No.	Date of Sampling	Particulate Matter (PM <sub>10</sub> ) µg/m <sup>3</sup>	Particulate Matter (PM <sub>2.5</sub> ) µg/m <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/m <sup>3</sup>	Oxides of Nitrogen (NO <sub>2</sub> ) µg/m <sup>3</sup>
31	16/01/2021	92.75	54.36	21.17	41.22
32	20/01/2021	62.62	48.53	16.29	37.55
33	23/01/2021	78.86	31.51	23.48	40.27
34	27/01/2021	38.42	45.62	18.52	31.34
35	30/01/2021	56.76	35.63	20.30	34.27
36	03/02/2021	72.62	34.56	19.58	39.45
37	06/02/2021	91.52	49.45	14.55	25.63
38	10/02/2021	60.58	31.59	22.38	36.36
39	13/02/2021	73.62	46.37	18.35	32.45
40	17/02/2021	80.62	33.26	24.52	43.56
41	20/02/2021	88.64	45.33	15.67	34.56
42	24/02/2021	74.52	37.55	20.30	33.47
43	27/02/2021	84.31	44.25	17.50	40.22
44	03/03/2021	69.37	32.59	20.79	36.50
45	06/03/2021	76.51	35.42	18.20	28.50
46	10/03/2021	87.52	28.35	23.38	42.60
47	13/03/2021	78.66	44.25	14.54	33.49
48	17/03/2021	67.56	34.55	25.62	45.31
49	20/03/2021	84.53	48.62	22.49	43.19
50	24/03/2021	93.43	54.24	17.52	35.31
51	27/03/2021	81.56	40.25	19.61	38.50
52	31/03/2021	75.45	36.21	21.47	40.20
<b>LIMIT<sup>#</sup></b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>
<b>TEST METHOD</b>		<b>IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011)</b>	<b>Gravimetric- CPCB - Method (Vol.I,May-2011)</b>	<b>IS:5182(Part II):Improved West and Gaeke</b>	<b>IS:5182(Part VI):Modified Jacob &amp;Hochheiser (NaOH-NaAsO<sub>2</sub>)</b>

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

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

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

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

**RESULT OF AMBIENT AIR QUALITY MONITORING**

AIR STRIP								
Sr. No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM 2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO2) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO2) $\mu\text{g}/\text{m}^3$	Carbon Monoxide as CO $\text{mg}/\text{m}^3$	Hydrocarbon as CH4 $\text{mg}/\text{m}^3$	Benzene as C6H6 $\mu\text{g}/\text{m}^3$
1	03/10/2020	76.27	44.27	16.27	27.59	0.18	ND*	ND*
2	07/10/2020	58.37	26.58	12.55	32.58	0.26	ND*	ND*
3	10/10/2020	66.25	32.46	14.32	26.54	0.34	ND*	ND*
4	14/10/2020	61.58	31.29	17.84	34.54	0.31	ND*	ND*
5	17/10/2020	48.65	20.36	10.70	24.64	0.37	ND*	ND*
6	21/10/2020	69.22	40.26	15.21	20.57	0.25	ND*	ND*
7	24/10/2020	73.51	38.55	6.86	25.58	0.41	ND*	ND*
8	28/10/2020	65.36	30.21	13.25	35.27	0.30	ND*	ND*
9	31/10/2020	57.21	23.24	7.23	18.25	0.18	ND*	ND*
10	04/11/2020	62.38	36.28	17.51	28.43	0.50	ND*	ND*
11	07/11/2020	80.22	39.30	8.34	14.52	0.30	ND*	ND*
12	11/11/2020	63.35	30.69	15.61	27.52	0.57	ND*	ND*
13	14/11/2020	52.62	25.34	11.53	19.57	0.40	ND*	ND*
14	18/11/2020	63.68	28.60	14.22	29.55	0.48	ND*	ND*
15	21/11/2020	70.18	34.58	12.35	32.46	0.37	ND*	ND*
16	25/11/2020	56.55	29.56	7.40	20.34	0.25	ND*	ND*
17	28/11/2020	77.25	35.24	9.33	17.82	0.52	ND*	ND*
18	02/12/2020	76.25	26.88	15.27	26.27	0.32	ND*	ND*
19	05/12/2020	62.67	38.59	7.56	17.59	0.19	ND*	ND*
20	09/12/2020	57.55	43.36	11.23	28.37	0.41	ND*	ND*
21	12/12/2020	76.33	29.35	9.89	22.62	0.30	ND*	ND*
22	16/12/2020	62.64	32.53	10.33	18.37	0.38	ND*	ND*
23	19/12/2020	72.78	40.76	8.63	15.61	0.34	ND*	ND*
24	23/12/2020	54.68	21.87	12.71	23.82	0.31	ND*	ND*
25	26/12/2020	75.76	35.87	18.24	29.63	0.25	ND*	ND*
26	30/12/2020	61.84	24.54	6.57	20.67	0.21	ND*	ND*
27	02/01/2021	56.31	23.54	8.66	15.38	0.44	ND*	ND*
28	06/01/2021	81.51	47.54	15.66	25.37	0.30	ND*	ND*
29	09/01/2021	50.65	25.21	17.25	30.26	0.24	ND*	ND*
30	13/01/2021	63.64	28.35	10.35	21.23	0.47	ND*	ND*

Continue ...

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)



AIR STRIP								
Sr. No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM 2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO2) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO2) $\mu\text{g}/\text{m}^3$	Carbon Monoxide as CO $\text{mg}/\text{m}^3$	Hydrocarbon as CH4 $\text{mg}/\text{m}^3$	Benzene as C6H6 $\mu\text{g}/\text{m}^3$
31	16/01/2021	72.61	37.21	12.65	24.56	0.22	ND*	ND*
32	20/01/2021	58.64	34.24	9.69	19.52	0.45	ND*	ND*
33	23/01/2021	73.65	40.26	14.25	29.42	0.16	ND*	ND*
34	27/01/2021	53.67	27.51	7.91	22.33	0.50	ND*	ND*
35	30/01/2021	69.62	31.19	11.77	28.37	0.52	ND*	ND*
36	03/02/2021	67.62	31.24	11.27	36.31	0.37	ND*	ND*
37	06/02/2021	48.62	15.64	6.50	15.68	0.55	ND*	ND*
38	10/02/2021	69.31	29.48	12.31	22.43	0.17	ND*	ND*
39	13/02/2021	59.43	24.33	9.62	25.33	0.26	ND*	ND*
40	17/02/2021	48.62	21.53	14.57	32.11	0.82	ND*	ND*
41	20/02/2021	68.36	28.47	8.39	23.49	0.22	ND*	ND*
42	24/02/2021	50.21	23.50	18.48	26.17	0.50	ND*	ND*
43	27/02/2021	62.34	30.40	15.46	20.34	0.32	ND*	ND*
44	03/03/2021	64.22	26.38	9.61	28.19	0.21	ND*	ND*
45	06/03/2021	56.32	19.57	16.80	23.59	0.48	ND*	ND*
46	10/03/2021	49.64	20.44	11.20	29.50	0.40	ND*	ND*
47	13/03/2021	60.28	33.53	8.59	23.51	0.32	ND*	ND*
48	17/03/2021	51.53	19.40	17.22	38.41	0.41	ND*	ND*
49	20/03/2021	65.65	39.55	18.40	32.49	0.50	ND*	ND*
50	24/03/2021	54.53	30.27	7.52	29.79	0.21	ND*	ND*
51	27/03/2021	77.55	33.53	10.56	32.41	0.25	ND*	ND*
52	31/03/2021	69.57	26.34	13.46	24.50	0.31	ND*	ND*
LIMIT#		100	60	80	80	4	Not Specified	5
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I, May-2011)	Gravimetric-CPCB - Method (Vol.I, May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob & Hochheiser (NaOH-NaAsO2)	NDIR Digital Gas Analyzer	SOP: HC: GC/GCMS/Gas analyzer	IS 5182 (Part XI):2006/CPCB Method

\*Not Detected

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

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)



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

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

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

SR. NO.	Name of Location	WTP- NEAR CETP					
		Result [dB(A) Leq]					
		03/10/2020	07/11/2020	21/12/2020	28/01/2021	01/02/2021	01/03/2021
1	6:00-7:00	65.1	65.1	63.4	45.1	66.5	60.1
2	7:00-8:00	62.8	62.4	65.1	46.8	60.1	58.4
3	8:00-9:00	68.4	68.4	67.9	56.8	68.4	65.2
4	9:00-10:00	69.5	60.8	62.8	53.7	70.5	61.2
5	10:00-11:00	66.2	65.4	66.5	58.9	72.4	63.8
6	11:00-12:00	64.8	68.4	65.2	56.7	73.8	68.5
7	12:00-13:00	70.1	64.4	67.3	59.8	69.4	66.2
8	13:00-14:00	66.4	72.1	70.4	56.1	61.5	69.5
9	14:00-15:00	68.4	62.7	68.6	56.4	65.4	66.4
10	15:00-16:00	62.1	62.4	64.4	61.7	73.5	64.1
11	16:00-17:00	63.4	60.1	62.8	62.8	62.5	62.8
12	17:00-18:00	61.5	66.8	65.7	63.8	64.1	62.8
13	18:00-19:00	68.7	63.4	62.2	68.4	61.5	64.1
14	19:00-20:00	62.1	61.8	63.9	65.3	62.8	61.2
15	20:00-21:00	61.8	62.4	60.8	69.8	63.8	63.5
16	21:00-22:00	63.4	61.7	62.1	62.7	64.8	68.4
Day Time Limit*		75 dB(A) Leq					

**Result of Noise level monitoring [Night Time]**

SR. NO.	Name of Location	WTP- NEAR CETP					
		Result [dB(A) Leq]					
		03/10/2020	07/11/2020	21/12/2020	28/01/2021	01/02/2021	01/03/2021
1	22:00-23:00	68.4	68.4	66.3	68.4	63.1	66.4
2	23:00-00:00	64.2	62.4	63.8	46.1	62.8	60.1
3	00:00-01:00	67.2	62.1	65.1	53.4	59.1	63.4
4	01:00-02:00	62.3	62.7	63.7	45.7	62.5	59.4
5	02:00-03:00	61.5	65.8	62.4	44.2	63.8	62.4
6	03:00-04:00	64.8	63.7	61.9	44.9	59.4	61.5
7	04:00-05:00	62.1	62.8	60.6	48.2	55.1	58.4
8	05:00-06:00	64.4	63.4	62.5	42.7	62.4	60.3
Night Time Limit*		70 dB(A) Leq					

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

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

SR. NO.	Name of Location	AIR STRIP					
		Result [dB(A) Leq]					
		21/10/2020	14/11/2020	10/12/2020	29/01/2021	13/02/2021	21/03/2021
1	6:00-7:00	58.4	62.4	60.9	48.3	55.4	51.4
2	7:00-8:00	56.4	62.8	59.7	44.2	59.1	55.2
3	8:00-9:00	62.4	59.7	61.4	53.1	62.4	62.4
4	9:00-10:00	60.4	60.4	62.5	56.7	61.5	56.2
5	10:00-11:00	65.4	65.1	64.8	56.2	63.8	63.8
6	11:00-12:00	63.1	62.4	61.9	54.8	65.8	60.3
7	12:00-13:00	62.5	60.7	63.3	58.9	65.4	63.7
8	13:00-14:00	68.4	64.1	65.6	61.4	59.4	65.1
9	14:00-15:00	62.8	58.7	61.8	62.8	60.4	62.8
10	15:00-16:00	61.4	58.4	59.3	65.7	62.5	60.8
11	16:00-17:00	62.8	60.4	61.7	63.2	68.9	61.2
12	17:00-18:00	61.4	59.1	62.1	68.4	66.1	59.8
13	18:00-19:00	63.4	62.4	63.8	64.1	62.8	55.4
14	19:00-20:00	62.8	55.1	58.6	62.2	65.5	60.2
15	20:00-21:00	62.4	59.4	58.2	61.7	62.7	61.4
16	21:00-22:00	61.5	54.1	56.3	52.6	67.8	64.2
Day Time Limit*		75 dB(A) Leq					

**Result of Noise level monitoring [Night Time]**

SR. NO.	Name of Location	AIR STRIP					
		Result [dB(A) Leq]					
		21/10/2020	14/11/2020	10/12/2020	29/01/2021	13/02/2021	21/03/2021
1	22:00-23:00	62.1	65.8	64.1	65.7	59.4	59.1
2	23:00-00:00	65.4	62.4	61.3	59.7	55.1	58.4
3	00:00-01:00	63	52.4	57.2	47.6	54.1	60.4
4	01:00-02:00	57.4	62.8	53.6	42.1	48.4	54.1
5	02:00-03:00	53.1	59.7	54.1	41.7	55.6	46.2
6	03:00-04:00	58.4	56.1	55.4	40.7	52.1	52.1
7	04:00-05:00	60.5	59.7	58.3	49.8	42.8	45.1
8	05:00-06:00	60.7	60.4	59.6	42.8	62.5	50.2
Night Time Limit*		70 dB(A) Leq					

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

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**RESULTS OF D.G. STACK MONITORING****08/12/2020**

SR. NO.	TEST PARAMETERS	Unit	WTP-SEZ	GPCB Limit	Test Method
			D.G. Set (380 KVA)		
1	Particulate Matter	mg/Nm <sup>3</sup>	25.62	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	5.41	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	38.44	50	IS:11255 (Part-VII):2005
4	Carbon Monoxide	mg/m <sup>3</sup>	13.26	Not Specified	Digital Gas Analyzer
5	Hydro Carbon NMHC	ppm	Not Detected	Not Specified	Gas Chromatography

\*DG sets are used as standby, so stack monitoring is done on quarterly basis. Results on 15 % O<sub>2</sub> Correction when Oxygen is greater than 15 %**H. T. Shah****Lab Manager****Dr. Arun Bajpai****Lab Manager (Q)**

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**Minimum Detection Limit [MDL]**

Ambient Air Parameter		
Sr. No.	Test parameter	MDL
1	Particulate Matter (PM10) ( $\mu\text{g}/\text{m}^3$ )	10
2	Particulate Matter (PM 2.5) ( $\mu\text{g}/\text{m}^3$ )	10
3	Sulphur Dioxide ( $\text{SO}_2$ ) ( $\mu\text{g}/\text{m}^3$ )	5
4	Oxides of Nitrogen ( $\mu\text{g}/\text{m}^3$ )	5
5	Carbon Monoxide (CO) ( $\text{mg}/\text{m}^3$ )	0.1
6	Hydrocarbon ( $\text{CH}_4$ ) ( $\text{mg}/\text{m}^3$ )	150
7	Benzene ( $\text{C}_6\text{H}_6$ ) ( $\mu\text{g}/\text{m}^3$ )	2

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

Water parameter ( $\text{mg}/\text{L}$ )		
Sr. No.	Test parameter	MDL
1	pH	2
2	Temperature	2
3	Colour	2
4	Total Suspended Solids	2
5	Oil & Grease	1
6	Phenolic Compound	0.01
7	Fluorides	0.05
8	Iron	0.01
9	Zinc as Zn	0.05
10	Trivalent Chromium	0.05
11	Sulphide as S	0.1
12	Ammonical Nitrogen as $\text{NH}_3$	0.2
13	BOD (3 Days @ 27 °C)	1
14	COD	5
15	Chloride as Cl	1
16	Sulphate as $\text{SO}_4$	1
17	Total Dissolved Solids	10
18	Total Residual Chlorine	0.1
19	Copper as Cu	0.01

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

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# **"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"**

**FOR**

**MPSEZ UTILITIES LTD. (CETP)  
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:  
OCTOBER 2020 TO MARCH 2021**

**PREPARED BY:****POLLUCON LABORATORIES PVT.LTD.**

**PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,  
OLD SHANTINATH SILK MILL LANE, NEAR GAYTRI FARSAAN MART,  
NAVJIVAN CIRCLE, UDHANA MAGDALLA ROAD, SURAT-395007.  
PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.  
E-mail: [pollucon@gmail.com](mailto:pollucon@gmail.com) Web: [www.polluconlab.com](http://www.polluconlab.com)**

**TC - 5945****ISO 9001:2015****ISO 14001:2015****ISO 45001:2018**

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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**RESULTS OF BORE HOLE WATER**

SR. NO	TEST PARAMETERS	UNIT	RESULTS	TEST METHOD
			NEAR CETP MAIN GATE 17/12/2020	
	Sampling Date			
1	pH	--	8.07	IS3025(P11)83Re.02
2	Salinity	ppt	2.84	APHA 2520B
3	Oil & Grease	mg/L	Not Detected	APHA(22 <sup>nd</sup> Edi)5520D
4	Hydrocarbon	mg/L	Not Detected	GC/GC-MS
5	Lead as Pb	mg/L	0.038	AAS APHA(22 <sup>nd</sup> Edi)3111 B
6	Arsenic as As	mg/L	Not Detected	AAS APHA 3114 B
7	Nickel as Ni	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
8	Total Chromium as Cr	mg/L	0.027	AAS 3111B
9	Cadmium as Cd	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Mercury as Hg	mg/L	Not Detected	AAS APHA- 3112 B
11	Zinc as Zn	mg/L	0.31	AAS APHA(22 <sup>nd</sup> Edi)3111 B
12	Copper as Cu	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
13	Iron as Fe	mg/L	0.2	AAS APHA(22 <sup>nd</sup> Edi)3111 B
14	Insecticides/Pesticides	mg/L	Absent	GC/GC-MS
15	Depth of Water Level from Ground Level	meter	2.25	--

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



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Borehole Water Parameters			
SR. NO.	TEST PARAMETERS	UNIT	MDL
1	pH	--	2
2	Salinity	mg/L	0.5
3	Oil & Grease	mg/L	2
4	Hydrocarbon	mg/L	0.01
5	Lead as Pb	mg/L	0.01
6	Arsenic as As	mg/L	0.001
7	Nickel as Ni	mg/L	0.02
8	Total Chromium as Cr	mg/L	0.025
9	Cadmium as Cd	mg/L	0.002
10	Mercury as Hg	mg/L	0.005
11	Zinc as Zn	mg/L	0.06
12	Copper as Cu	mg/L	0.01
13	Iron as Fe	mg/L	0.1
14	Insecticides/Pesticides	mg/L	0.1

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

# **Annexure – 6**



**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:300247 - Analysis Completion:17/03/2021

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
6664**

**TEST REPORT**

**Test Report No. : 6664**

**Date: 18/03/2021**

- |   |   |
|---|---|
| <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>: B.M.Dolasiya,SSA(M)</b>  |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5.0 litres</b>   |
| <b>6. Code No. of the Sample</b>                        | <b>: 300247</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 02/03/2021 , (1405 to 1405) &amp; 04/03/2021</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 04/03/2021 &amp; 17/03/2021</b>  |
| <b>9. Sampling Point</b>                                | <b>: From Inlet of CETP ~</b>   |
| <b>10. Flow Details (Remarks)</b>                       | <b>:</b>  |
| <b>11. Mode of Disposal</b>                             | <b>:</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 :Turbid</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 22nd edi.2012	1 – 14 pH value As or	7.45
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	20
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1578
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	126
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standai	1 - 2000 mg/l.	10.08
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	398
8	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	291
9	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	413
10	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	3.2
11	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.32
12	Sulphide	mg/l	APHA (22nd Edi.)4500-s2-F –iodometric Method	1-500.0 mg/l	1.15
13	Total Chromium	mg/l	3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.004
14	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	0.0005
15	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	132
16	RESIDUAL CHLORINE	PPM	APHA 21st edi : 4500 Cl G - DPD Colorimetric metho	0.2-5mg/l	0.0

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 18/03/2021

*T. C. Barmada*

**T.C Barmada, SSO**

**Field Observation :**

**Note :**

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



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

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

Sample ID:300249 - Analysis Completion:17/03/2021

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
6665**

**TEST REPORT**

**Test Report No. : 6665**

**Date: 18/03/2021**

- |   |   |
|---|---|
| <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>: B.M.Dolasiya,SSA(M)</b>  |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5.0 litres</b>   |
| <b>6. Code No. of the Sample</b>                        | <b>: 300249</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 02/03/2021 , (1410 to 1410) &amp; 04/03/2021</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 04/03/2021 &amp; 17/03/2021</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>: Discharged on land for Plantation &amp; Gardening within SEZ area of 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 :Colorless</b>                                      |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                             |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	24
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	8.39
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	10
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1840
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	42
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	0.56
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	512
8	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	314
9	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	71
10	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.2
11	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.0
12	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	0.02
13	Sulphide	mg/l	APHA (22nd Edi.)4500-s2-F –iodometric Method	1-500.0 mg/l	0.56
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.03
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.002
16	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	0.0003
17	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	21
18	RESIDUAL CHLORINE	PPM	APHA 21st edi : 4500 Cl G - DPD Colorimetric metho	0.2-5mg/l	0.0

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 18/03/2021

*T. C. Barmada*  
**T.C Barmada, SSO**

**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- 22nd Edition by APHA.
9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

# **Annexure – 7**



**MPSEZ UTILITIES PVT LTD**  
**Common Effluent Treatment Plant**

Date: 4/3/2021

Unit	Time →	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	Total running Hrs
MITAP Pump (I & II)	→	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	12
Sector 5 Pump	↓			✓	✓	✓	✓							06
Screen Chamber Mechanism		✓	✓	✓	✓	✓	✓	✓	✓					12
Effluent Feed Pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Triton Mixer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Triton Blower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Neutralisation Blower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Lime Dosing Mixer														
Lime Dosing Pump														
Alum Dosing Mixer	✓	✓	✓	✓	✓	✓	✓	✓						12
Alum Dosing pump	✓	✓	✓	✓	✓	✓	✓	✓						12
Poly Electrolyte Dosing Mixer	✓	✓	✓	✓	✓	✓	✓	✓						12
Poly Electrolyte Dosing Pump	✓	✓	✓	✓	✓	✓	✓	✓						12
Primary Clarifier Mechanism	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Primary Sludge Drain Mixer														
Primary Sludge Drain Pump														
Aeration I Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Aeration II Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Secondary Clarifier	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
Sludge Recirculation Pump														
Secondary Sludge Drain Mixer														
Secondary Sludge Drain Pump														
Sludge Thickner Mechanism														
Sludge Thickner Drain Mixer														
Sludge Thickner Drain Pump														
Chlorine Dosing Pump	✓	✓	✓	✓	✓	✓	✓	✓						12
Filter Feed Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓					12
Flow Meter Reading		Initial	Final		Diff. M3/day		Backwash		Chemical Consumption					
MITAP Line		312096	312096				Unit	HRS	Chemical	O/B	Recd.	C/B	Cons	
Sector 5 Line		242692	242729		87		MGF-1		Alum	260		252	8	
Final Outlet (MGFBACF)		262651	262493		858		ACF-1	1	Lime					
Fresh Water Consumption							MGF-2		Acid - HCL					
Electrical Meter Reading					KWH/day		ACF-2	1	Poly	5.5		8.4	0.4	
Energy Meter of CETP		10032.7190	10046.8304		1693.2				Sodium Hypo.	1200		1620	30	
Remarks														

Remarks :

Date: 31/7/2021		
18.00	19.00	Total running Hrs

APRIL

MPSEZ UTILITIES PVT LTD  
Common Effluent Treatment Plant

Date: 01/04/2021

[illegible][illegible]

Time	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	Total running Hrs
1. Aeration Pump (I & II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Auto
2. Aeration 5 Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	06
3. Aeration Chamber Mechanism	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	06
4. Influent Feed Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	05
5. Aeration Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
6. Aeration Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
7. Aeration Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
8. Aeration Dosing Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
9. Aeration Dosing Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
10. Aeration Dosing Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
11. Aeration Dosing pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
12. Aeration Electrolyte Dosing Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
13. Aeration Electrolyte Dosing Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
14. Aeration Clarifier Mechanism	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
15. Aeration Sludge Drain Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
16. Aeration Sludge Drain Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
17. Aeration I Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
18. Aeration II Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
19. Aeration Secondary Clarifier	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
20. Aeration Sludge Recirculation Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
21. Aeration Secondary Sludge Drain Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
22. Aeration Secondary Sludge Drain Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
23. Aeration Sludge Thickener Mechanism	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
24. Aeration Sludge Thickener Drain Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
25. Aeration Sludge Thickener Drain Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
26. Aeration Chlorine Dosing Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
27. Aeration Water Feed Pump	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
28. Aeration Meter Reading	Initial	Final	Diff. M3/day	Backwash	Chemical Consumption								
29. Aeration C/P Line	312096	312096	-	Unit	HRS	Chemical	O/B	Recd.	C/B	Cons			
30. Aeration 5 Line	250448	250540	92	MGF-3	1	Alum	60		52	8			
31. Aeration Outlet (MGFBACF)	293793	294542	749	ACF-1		Lime							
32. Aeration Fresh Water Consumption				MGF-2		Acid - HCL							
33. Aeration Electrical Meter Reading			KWH/day	ACF-2	1	Poly	1.0		0.6	0.4			
34. Aeration Energy Meter of CETP	10483.6608	10497.72	1657.2			Sodium Hypo.	1430		1400	30			

Remarks:

*[Signature]*  
Operator

Answer

Plant Incharge

# **Annexure – 8**





Detox India Pvt. Ltd. [65572]

Manifest No:  
1174253  
10/11/2020

Copy 6

4564

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

Sender's Details					
Sender Name	Mpsez Utilities Pvt. Ltd.(Mupl) [10605]				
Address	SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),VILL MUNDRA Taluka :MUN Distict:KUT Pin no:370421				
Contact Details	9687678443 chiragsing.raiput@adani.com	GPS Coordinates	Lat :22.4800 Long :69.4200		
Receiver's Details					
State	Gujarat	Type of Facility	Common TSDF		
Facility Details	Detox India Pvt. Ltd. [65572]				
Contact Details	9879512581 sandhya.poshtiwala@veolia.com	GPS Coordinates	Lat :23.3440 Long:70.6130		
Address	Survey No. 383, 384, 386 P-II, 401, 409/1, 409/2, 410, 411, 412/1, 412/2, 414 P-II, 416, 418, 178, 1, Taluka :GAN Distict:KUT Pin no:370150				
Waste Details					
Waste Details	I~35~35.3~Chemical sludge from waste water treatment				
Waste Intended for	LandFill	Total Qty	2.260MT	Consistency	Solid
Transporter Details					
Name	Sathi Enterprise	Contact Details	9998912166 sathienterprise77@gmail.com		
Address	Po SADAU,Mundra District :Kutch East Taluka :Mundra				
Vehicle Details					
Vehicle no	MH04FJ20 84	GPS Enabled	Yes	Type of Vehicle	Truck
Driver name	Haji Sama	Driver Contact No	9879193718		
Waste Transportation Details					
Vehicle Depart.	10/11/2020 6:00PM	Number of Drums	0	Loose Waste	0.000
Remarks	Chemical sludge from waste water treatment Qty. 2.260MT		No of bags	103	
<b>Sender's Declaration :</b> 1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations. 2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.					
Name and stamp of sender:		Date:	Signature:		
Transporter's Acknowledgement of Receipt of waste Stamp:		Date:	Signature:		
Receiver's Certification of Receipt of Hazardous waste					



Date:

RECEIVED

Signature:

12 NOV 2020

# **Annexure – 9**



## Certificate

Certificate No : 120000651

*To Whomsoever it may concern*

*This is to certify that*

**MUSEZ UTILITIES LIMITED**

**SURVEY NO. 002, PAKHO  
VILL. MUNDRA,  
TAL. MUNDRA**

**MUSEZ**  
*is a valid member of*

**SAURASHTRA ENVIRO PROJECTS PVT. LTD.**

*for*

*Integrated Common Incineration Facility*

*This membership is valid for a period of*

**5 Years**

*Date of Issue* : 18.12.2020

*For Saurashtra Enviro Projects Pvt. Ltd.*

*Date of Expiry* : 17.12.2025

*Place of Issue* : Surat

*Director*

17/12/2020 11:42:11 AM



# **Annexure – 10**

AXIS BANK LTD.  
ADANI PORT MUNDRA-370421.  
GUJ/SOS/AUTH/AV/101/2006

भारत 08998  
128962  
SPECIAL  
ADHESIVE  
गुजरात  
JAN 16 2021  
13:42  
R.0000300/- PB5257  
INDIA STAMP DUTY GUJARAT

Purchaser's Name	
Address	MUNDRA
Value	300/-
In Words	THREE HUNDRED/-
Licence No	Guj/sos/Auth/av/101/2006/8211

### Service Agreement

This Service Agreement (hereinafter referred to as the "Agreement"), is made and entered into at Ahmedabad on this 15<sup>th</sup> January 2021

#### By and between

**MPSEZ Utilities Ltd. (MUL) - CETP**, a Company incorporated under the Companies Act, 1956 having CIN No. U45209GJ2007PTC051323 and its Registered Office at **Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat** (Hereinafter referred to as the "First Party/ MPSEZ Utilities Ltd. (MUL) - CETP", which expression shall, unless repugnant to the context, mean and include its successors and assigns) of the One Part.

#### And

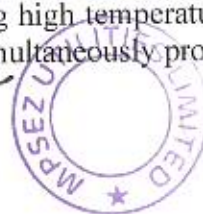
**Ambuja Cements Limited**, a Company incorporated under the Indian Companies Act, 1956, having its Registered Office at **P.O. Ambuja Nagar, Taluka - Kodinar, District - Gir Somnath, Gujarat - 362715** having its division/ unit/ section as "Geocycle" that provides specialized services for thermal destruction or recovery of hazardous/ non Hazardous waste material in cement kilns (hereinafter referred to as the "Second Party/ACL" which expression shall, unless repugnant to the context, mean and include its successors and assigns) of the Other Part.

**MPSEZ Utilities Ltd. (MUL) - CETP** and **ACL** shall be collectively addressed / referred to as "the Parties" and individually as "Party" herein after in this Agreement.

WHEREAS, First Party, is in the business of **Operation of Common Effluent Treatment Plant for treatment of Industrial Effluent and Sewage** and its Plant is situated at **Ploy No: survey No 141 (part), Village: Mundra, Taluka: Mundra, Dist: Kutch-370421** (hereinafter referred to as the First Party's "Manufacturing Units") and is in search of disposal of (i) **Chemical Sludge from waste water treatment (CETP Sludge) Category - 35.3, Sh-1** which is/are generated at First Party's Operation Units during its production process (hereinafter referred to as the "Waste Material"), which is categorized as **Hazardous Waste** as per **Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016**.

AND WHEREAS, Second Party is in the business of manufacture and sale of different types and grades of cement and has the capability to dispose the waste materials in an environment friendly manner in the cement kiln process having high temperature and long residence time (hereinafter referred to as "Co-Processing") while simultaneously producing cement of desired quality.

*Niran Shah*



*Chaitanya*

AND WHEREAS, **Geocycle** is a business unit of ACL that provides specialized services for thermal destruction or recovery of hazardous/non hazardous waste material in cement kilns.

AND WHEREAS First Party has approached Second Party for evaluating the feasibility of safe disposal of the Waste Material which is generated at its Manufacturing Unit, in an environment-friendly manner and based on the evaluation report, the Second Party has offered to Co-Process the Waste Material generated by First Party's Segregation Plant Manufacturing Unit in the Cement Kiln at its **M/s. Ambuja Cement Ltd., Ambuja Nagar, Taluka - Kodinar, District - Gir Somnath, Gujarat - 362715** (hereinafter referred to as the "**Cement Plant**").

AND WHEREAS, First Party and Second Party have agreed that Second Party shall provide the services of Co- Processing the Waste Material in the Cement Kiln at its **Ambuja Nagar, Taluka - Kodinar, District - Gir Somnath, Gujarat - 362715** Cement Plant (hereinafter referred to as the "**Services**"), subject to First Party and Second Party obtaining all statutory clearances, consents, no objection certificate, writings and confirmations as may be applicable from various authorities and Government Agencies for the said purpose.

NOW, THEREFORE, for and in consideration of the forgoing premises and on mutual covenant herein after stipulated, the Parties hereto, one with the other, do hereby agrees as follows:

#### **1.0 Execution of Services**

##### **1.1 Scope**

The Second Party shall during the Term of the Agreement (as set out in Clause 7 herein below), provide the Services i.e. Co-Processing of all the consignments of Waste Material of the First Party, delivered to the Cement Plant of the Second Party, which conform to the specification set out in Annexure A attached to the Agreement and which does not contain any of the item listed in the banned item list as set out in Annexure B attached to the Agreement.

##### **1.2 Packaging and Labeling**

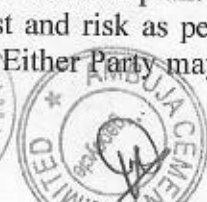
Prior to shipment of any consignment of Waste Material to Second Party's Plant for the provision of the Services, the First Party shall comply with the following conditions:

- 1.2.1 Arrange to pack the Waste Material in Double layered/High Density Poly Ethylene (HDPE) bags Woven type Small/ Jumbo locked properly with plastic locks and load the same into a vehicle suitable for transportation of Hazardous waste material. In case of open vehicle used for transportation, it should be covered with tarpaulin after loading properly packed material and tied up with ropes tightly to avoid any leakages/fall off during the transportation. Overall size of the packing should not be more than 300 X 300 X 300 MM.
- 1.2.2 Label every authorized vehicle (closed container type for transporting Haz Waste) loaded with Waste Material in the format set out in Annexure C attached to the Agreement specifying name of waste, quantity of waste, particle size of waste, size of packaging, Type of waste ("**Hazardous/Other Waste**") in bold letters both in English and Local Language and with other relevant identification as stipulated under applicable laws
- 1.2.3 Provide the copies of Health & Safety Data Sheet (in the format as set out in Annexure G) with each consignment of Waste Material.

##### **1.3 Quantity and Schedule of Delivery**

- 1.3.1 First Party shall supply the agreed quantities of Waste Material as set out in Annexure D, generated at its plant, free of all costs and with zero invoice value, to the Second Party's Cement Plant.
- 1.3.2 First Party shall deliver all the consignment of Waste Material from its plant to the Second Party's Cement Plant by road transportation at its own cost and risk as per the delivery schedule set out in Annexure D attached to the Agreement. Either Party may after mutual

*Kiran Shah*





agreement with other Party, revise the delivery schedule at anytime during the term of the Agreement after giving seven (7) days advance intimation in writing to the other Party, prior to dispatch of any fresh consignment of Waste Material as per the delivery schedule as set out in Annexure D attached to the Agreement. All consignment of Waste Material shall be delivered to the storage area(s) at the Second Party's Cement Plant.

- 1.3.3 First Party shall guide the transporter on the measures to be taken in case of emergency during the transportation of the said waste material and ensure the compliance of '**Guidelines on Transportation**' as set out in Annexure E attached to the agreement during Transportation of Waste Material from First Party's Manufacturing facility to Second Party's Cement Plant.
- 1.3.4 Both the Parties declare and confirm that they shall comply with relevant portion of the Protocols for Receipt of Waste Material as set out in Annexure F attached to the Agreement.
- 1.3.5 The risks and liability associated with the Waste Material shall lie with the First Party till the Waste Material provided by the First Party is accepted by the Second Party at its Cement Plant, as per clause 1.3.8 & 1.3.9 mentioned hereunder.
- 1.3.6 Second Party shall provide an orientation to the designated transporters, employees, agents and the representatives of the First Party on the applicable statutory provisions and regulations as also Security, Health and Safety Rules including the Health and Safety Policy (set out in Annexure K), as applicable at the Second Party's Cement Plant, prior to commencement of dispatch of any consignment of Waste Material by First Party to the Cement Plant. Provided the First Party shall be responsible for ensuring compliance of all applicable statutory provisions and regulations as also Security, Health and Safety Rules including the Health and Safety Policy (set out in Annexure K), as applicable at the Second Party's Cement Plant, by such transporters, their employees and agents and the representatives of the First Party involved in the unloading, transportation and handling of the Waste Material.
- 1.3.7 First Party shall, at its own cost, arrange to get every consignment of Waste Material weighed at an authorized weighbridge and issue the weighbridge challan to the approved transporter while dispatching the consignment of Waste Material to the Cement Plant of the Second Party. The quantity of Waste Material in any consignment delivered by the First Party to the Second Party's Cement Plant shall be determined by the electronic weighbridge installed at the Cement Plant. All Waste Material related reports including inventory list shall be prepared as per the Second Party's electronic weighbridge records maintained at the Cement Plant, which shall be the conclusive documentary proof evidencing the actual quantity of Waste Material received by the Second Party in any consignment dispatched from the First Party's Depot. In the event of any dispute relating to the actual quantities of Waste Material dispatched by the First Party and received by the Second Party, the Parties hereto shall resolve the same in good faith through discussion on the appropriate actions required to be taken for verification and correction of any discrepancy.
- 1.3.8 Second Party shall arrange for unloading, storage and handling of the Waste Material delivered by First Party to the storage area(s) at its Cement Plant in accordance with the Risk Assessment and Crisis Management Plan to be prepared before the delivery of the Waste Material to the storage area (s) of Cement Plant by the Second Party in consultation with the First Party on the basis of Health & Safety Data Sheet, provided by First Party as set out in Annexure G attached to the Agreement. The costs, risks, liability related to unloading, handling and storage of Waste Material in the Cement Plant during the acceptance process shall be with the First Party. However the cost of unloading, handling and storage during acceptance process has been built into the Service Charges and the First Party need not pay the same separately.

*Witness Sign*





- 1.3.9 The stores department of the Second Party shall issue acceptance receipt to the First Party within two (2) days from the date of delivery of Waste Material consignments by the First Party at the Cement Plant of Second Party. If the Second Party delays issuance of such acceptance receipt beyond eight (8) days from the date of delivery of consignments of Waste Material by the First Party, it shall be deemed that Second Party has accepted the consignment of Waste Material along with its risk and liability on and from the end of the two (2) days. The Waste Material acceptance receipt issued by stores in charge at the Second Party's Cement Plant shall be the conclusive documentary proof evidencing the acceptance of any consignment of Waste Material by the Second Party for the provision of the Services.


#### 1.4 Non- Conforming Waste Material

- 1.4.1 First Party declares and confirms that all the consignment of the Waste Material delivered at the storage area(s) of the Cement Plant of the Second Party pursuant to the Agreement shall
- 1.4.1.1 Confirm to the specifications as set out in Annexure A attached to the Agreement
  - 1.4.1.2 Be packed and labeled as per the clause 1.2 hereof
  - 1.4.1.3 Not contain any of the items listed in the banned item list as set out in Annexure B attached to the Agreement.
- 1.4.2 In case, Second Party is in receipt of any consignment that contains banned items or materials other than agreed between the parties as mentioned in Annexure A and/or the requirement under clause 1.2.2 (Packaging & labeling), then Second Party shall be entitled to refuse the acceptance of such consignment and shall intimate the same in writing to First Party with in 24 hrs of the receipt of consignment at Second Party's Plant and First Party shall arrange to transport that consignment at its own cost, expense and risk within 48 hrs from the time of intimation from Second Party on the refusal of acceptance of such consignment. If First Party fails to evacuate such rejected consignment of non-conforming Waste Material as stated above within 1 week, it shall be liable and pay to Second Party **liquidated damages at the rate of Rs. 500/- per ton for each day of delay** in its evacuation from Second Party's Plant. On delay in evacuation of more than 10 days, without prejudice to its rights under Law Second Party shall have the right to forthwith terminate this Agreement.
- 1.4.3 In case if the Waste Material is not conforming to the specifications, as mentioned in Annexure A and/or the requirement under clause 1.2.2 (Packaging & labeling) , both the parties shall discuss in order to arrive at a solution with respect to Co-processing that consignment, provided the additional costs towards the same shall be borne by First Party.

#### 1.5 General Responsibilities

- 1.5.1 First Party shall provide all relevant information relating to safe handling and storage practices of the Waste Material, provide reasonable assistance such as supervision required for safe handling and storage of the Waste Material and the inspection and confirmation of the suitability of the storage arrangement made by Second Party to store the Waste Material.
- 1.5.2 First Party shall be solely responsible for ensuring that all precautionary measures are complied with, to avoid any fire, explosion or accident during the loading, transportation and delivery of the Waste Material from the First Party's distribution centre to the storage area(s) of Cement Plant of Second Party for the provision of the Services.
- 1.5.3 First Party shall be responsible for the compliance of all statutory regulations and guidelines as applicable to its employees, agents or representatives engaged in loading, storage and handling of Waste Material at the First Party's plant and for onward dispatch to the Cement Plant of the Second Party.

*Nirav Shah*



- 1.5.4 Second Party shall be responsible for the compliance of all statutory regulations and guidelines as applicable to its employees, agents or representatives engaged in unloading, storage, handling and Co-processing of Waste Material at its Cement Plant.
- 1.5.5 Second Party shall be responsible to arrange for all tools, tackles, equipment and laboratory facilities necessary to provide the Services as mentioned in this Agreement.
- 1.5.6 First Party shall be responsible to depute its representatives and senior executives to attend the meetings and answer any queries raised by Second Party relating to the Waste Material.
- 1.5.7 Second Party shall permit the First Party's designated persons to inspect the Co-Processing of the Waste Material at the Cement Plant, provided that First Party shall give a prior intimation in writing of such inspection to the Second Party.
- 1.5.8 First Party shall have in force and effect and shall maintain at its own cost such policy & policies of insurance as applicable, with a reputable authorized insurer which gives First Party adequate insurance cover in respect of any liability that may arise/ damage that may be caused to person/ property of First Party, Second Party & its contractors and any Third Party.
- 1.5.9 Second Party shall have in force and effect and shall maintain at its own cost such policy or policies of insurance as applicable, with a reputable authorized insurer which gives Second Party adequate insurance cover in respect of any liability that may arise or damage that may be caused to person or property of Second Party, First Party and third party
- 1.5.10 In the event the Second Party is required to comply with statutory regulations and guidelines framed by the concerned authorities or Government Agency relating to emission monitoring for demonstrating the performance of Co-processing of the Waste Material pursuant to the Agreement, the same shall be complied with by the Second Party in consultation with the First Party. Provided, the reasonable costs for the same shall be borne by the First Party.

## 2.0 CERTIFICATE OF CO - PROCESSING

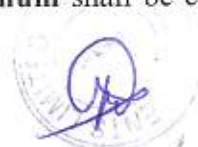
Second Party shall at the beginning of each month during the term of this agreement, issue to First Party Certificate of Co-Processing for the Waste Material received for Co-Processing during previous month in the format set out in Annexure I attached to the Agreement.

## 3.0 SERVICE CHARGES AND PAYMENT TERMS

In consideration of the Second Party providing the Services, the First Party shall pay to the Second Party co processing charges in the following manner:

- 3.1 First Party shall pay to Second Party, Service Charges towards Co-processing at **Rs. 6000/- (Rs Six Thousand Only/-) per Ton of Waste Material** exclusive of any transportation cost.
- 3.2 Second Party shall issue an invoice on fortnightly/ monthly basis with relevant supporting documents on First Party against Co-Processing services rendered to First Party on the basis of quantity received during previous month.
- 3.3 The charges stated in clause 3.1 above shall be exclusive of all applicable taxes and duties. **Applicable tax at the rate of 18 % (OR as per the latest Govt. norms) of the total service charge will be charged.**
- 3.4 First Party shall make payment towards the invoices. The Second Party will issue actual invoice on fortnightly/ monthly basis based on material received in a particular month. In case of delay in any outstanding payments (with reference to advance payment made) beyond 15 days an **interest at the rate of 18 % per annum** shall be chargeable on the delayed payment.

*Nisau Shah*





- 3.5 If there is any dispute about any invoice amount, First Party shall be entitled to dispute the invoice amount within 5 days after receipt of invoice. If First Party does not raise any dispute, it is presumed that the same is acceptable and First Party shall be liable to make any differential payment (with respect to advance payment made) in respect of same within a period of 10 days from date of issue of invoice by Second Party.
- 3.6 All payment for co-processing charges, additional service charges, transportation charges, if any, and interest on overdue payments shall be made by electronic fund transfer in favor of "Ambuja Cements Limited" payable at Mumbai.

#### 4. TAXES AND DUTIES

The Parties agree that all taxes, levies, imposts, deductions, charges, duties or withholdings which are assessed, levied, imposed or collected by any Government Central or State or authority and any taxes or levies arising in connection with the Agreement (other than income tax payable by Second Party) shall be included in the debit note issued by Second Party for co-processing charges and other charges, if any and shall be payable by First Party in addition to the co-processing charges and other charges, if any. The First Party agrees to provide the relevant certificate in respect of the income tax deduction at source on the amounts to be paid towards co-processing charges to the Second Party.

Without prejudice to generality of foregoing, First Party shall be responsible for the payment of the stamp duty applicable to the Agreement. Notwithstanding the foregoing, the Parties agree that they shall use their best efforts to obtain exemptions from the payment of any taxes from the concerned Government agency or authority as may be available under applicable laws.

#### 5. STATUTORY COMPLIANCE

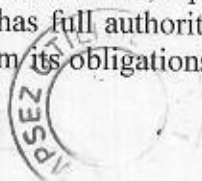
- 5.1 First Party shall be responsible for the following regulatory compliances under applicable laws:
- (a) obtain statutory registrations, clearances, license no objection certificate, writings and confirmations from the concerned authorities and Government agencies, file returns, if required, relating to the loading, transportation and delivery of the Waste Material to the Cement Plant of the Second Party.
  - (b) Pay all applicable taxes, cesses, duties or other levies on (i) the supply of Waste Material to Second Party and (ii) transportation of Waste Material from First Party's Manufacturing Plant to the Second Party's Cement Plant.
- 5.2 Second Party shall be responsible for the following regulatory compliances under applicable laws:
- (a) obtain statutory registrations, clearances, license, no objection certificate, writings and confirmations, if required, from concerned authorities and Government Agencies for the provision of the Services to the First Party. File returns with the concerned authorities or Government agencies, if required, relating to the provision of the Services.
  - (b) Pay all applicable taxes, cesses, duties or other levies on the Services.

#### Representations and Warranties of MPSEZ UTILITIES LTD. (MUL) - CETP

MPSEZ UTILITIES LTD. (MUL) - CETP covenants, represents and warrants to ACL that:

- I. it is in good standing and that it has full authority and all rights necessary to enter into this Agreement and to perform its obligations hereunder according to the terms thereof;

*Wissam Shah*



- II. this Agreement is a legal, valid, binding and enforceable in accordance with the terms hereof;
- III. by entering into this Agreement, it is not in breach or future shall not be in breach of any contractual obligation against any third party;
- IV. the person signing this Agreement, on its behalf, has been duly authorized by the MPSEZ UTILITIES LTD. (MUL) - CETP to execute this Agreement;
- V. it represents that it shall not dispatch any item listed in banned item list as set out in Annexure B to this Agreement.

## 6. CONFIDENTIALITY OF INFORMATION

- 6.1 All information given by one Party to the other, pursuant to this Agreement in tangible form, which is specifically marked as confidential as well as all intangible information which is specifically conveyed as confidential in writing within 7 days of disclosure of such information, shall be deemed to be "Confidential Information" for the purpose of this Agreement.
- 6.2 The Parties agree that the Confidential Information which has been or will be disclosed by or on behalf of the other Party will be received by the recipient Party in confidence and will be used only for performance under and in accordance with this Agreement.
- 6.3 Each Party acknowledges and agrees that all Confidential Information constitutes valuable, special and unique assets of the business of disclosing Party. Accordingly, the Parties agree that, in the event of any breach of this clause, in addition to any other remedies at law or in equity, the Parties shall be entitled to equitable relief, including injunctive relief and specific performance.
- 6.4 The confidentiality obligations of the Parties shall not apply to the following exceptions:
  - (a) any information which either Party can demonstrate to the reasonable satisfaction of the disclosing Party, as already available in the public domain;
  - (b) any information which either Party can demonstrate to the reasonable satisfaction of the disclosing Party, that such information is already available with them from a third party without any corresponding confidentiality obligations;
  - (c) any information which either Party can demonstrate to the reasonable satisfaction of the disclosing Party, that such information has been originally developed by them without using the Confidential Information .
  - (d) any disclosure which may reasonably be required for the compliance of statutory obligations or for the purposes of legal proceedings.
- 6.5 Any publicity in connection with the Agreement by either Party shall be subject to the prior consent of the other Party.
- 6.6 Upon termination of this Agreement, each Party shall return to the other Party all confidential information (without retaining copies thereof) provided for the purposes of this Agreement.

## 7. TERM

- 7.1 That this Agreement shall be effective from its Effective Date i.e. from 1<sup>st</sup> Jan, 2021 and shall remain valid and binding upon the Parties upto 30th November, 2023 inclusive of the both the dates unless earlier terminated pursuant to terms herein below.
- 7.2 Thereafter, both the parties, at its option, may extend the validity of the contract for a further period of 1 year on same term and conditions or on such other terms and conditions as may be mutually agreed between the Parties in writing.

## 8. TERMINATION OF AGREEMENT

8.1 Each Party may terminate this Agreement in the following events:-

- a) In case of breach of the terms and conditions of the Agreement by either of the Parties, the other Party, may give a written notice of Thirty (30) days to such defaulting Party, demanding it to remedy such breach. If the defaulting Party fails to remedy the breach within the notice period then the other Party shall have the right to terminate this Agreement with immediate effect.
- b) If either Party goes into liquidation or is ordered to be wound up by any court of law, the other Party shall have the right to terminate this agreement with immediate effect.
- c) Any Party hereto may terminate this Agreement in case of Business exigencies, which shall be confirmed in a written document, executed by parties.

Upon termination of the Agreement, each Party shall endeavor to deliver to the other Party all documents and materials belonging to the other Party that may be in each Party's possession or under each Party's control. Provided the Second Party shall have the right to withhold all documents and materials belonging to First Party in the custody of Second Party, until such time all of Second Party's dues and/or invoices towards the co-processing charges, additional services charges, transportation charges, costs, if any, and interest on overdue payment incurred up to the date of termination have been settled by the First Party against the production of such invoices evidencing proof for such dues by Second Party.

8.2 Even otherwise either Party shall be entitled to terminate this Agreement by giving 60 days prior written notice to the other party without specifying any reasons for the same.

## 9. EFFECT OF TERMINATION

- 9.1 The rights, duties and responsibilities of each Party shall continue to be in full force and effect during the period of notice till the date of termination including the obligation of Second Party to complete the unfinished portion of the Services and the obligation of First Party to settle/pay all dues and/or invoices for the Services completed by the Second Party till the date of termination and/or expenses incurred till the date of termination by the Second Party;
- 9.2 Neither Party shall be liable to the other pursuant to such termination for compensation, reimbursement or damages on account of the loss of prospective business or profits or on account of expenditures, investments, lease or commitments or for any reason whatsoever arising out of such termination as set forth in clause 8 above, which is consequential in nature.

## 10. AMENDMENT

Any amendment and / or variation to the Agreement shall be mutually agreed by the Parties in writing and executed by or on behalf of each of the Parties hereto.

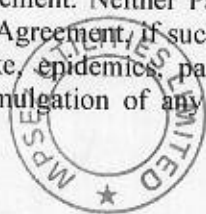
## 11. SEVERABILITY

If at any time during the term of the Agreement, all or any of the clauses of the Agreement is or becomes illegal, invalid or unenforceable in any respect or declared null and void or illegal under the applicable laws, the same shall not affect or impair the legality, validity or enforceability of any other provisions of the Agreement.

## 12. FORCE MAJEURE.

Force Majeure means any unforeseen event or circumstance that is beyond the reasonable control of either Party, which event cannot by exercise of reasonable diligence be prevented or caused to be prevented, and which adversely affects such Party's performance of its duties and obligations or enjoyment of its rights under this Agreement. Neither Party shall be considered in default in the performance of its obligation under the Agreement, if such performance is prevented or delayed on account of war, civil commotion, strike, epidemics, pandemics, accidents, fires, unprecedented floods, earth quake or because of promulgation of any law or regulations by the Government,

*Kiran Shah*





unforeseen breakdowns, operational and maintenance stoppages at the First Party Manufacturing Plant or the Second Party's Cement Plant or on account of any other Acts of God. At the time of occurrence of a force majeure condition, the affected Party shall give a notice in writing with documentary proof within Fifteen (15) days from the date of occurrence of the force majeure condition indicating the cause of force majeure condition and the period for which the force majeure condition was likely to subsist. The Parties shall resume to the performance of their respective obligations after the force Majeure condition comes to an end and this agreement shall suitably be extended proportionate to the period of such Force Majeure condition. In the event the affected Party is prevented from fulfilling its obligation under the Agreement owing to the force majeure condition continuing for more than Thirty (30) days, both Parties shall consult each other regarding the continuation of the Agreement including early termination as set forth in clause 8 above. Parties shall not be entitled to any kind of damages in case of termination due to such Force Majeure situation.

### 13. SUSPENSION

Second Party may suspend Services upon prior written notice to First Party, if First Party fails to:

- (a) make timely payment against invoices raised for co-processing charges beyond Sixty (60) days from the normal date of invoice,
- (b) evacuate the rejected consignment of non conforming Waste Material from the Second Party's Cement Plant within the Ten (10) days period as stated in clause 1.4 above or
- (c) deliver Waste Material as per the Delivery schedule set out in Annexure D.

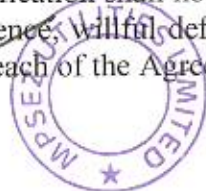
Notwithstanding whatever is contained herein, in case if Parties could not resolve the issue regarding to non evacuation (as afore mentioned in Clause 13), by mutual consultation within 2 days then, Second party shall have option to terminate this agreement forthwith, Such termination shall be without prejudice to any other rights under Law, available to Second Party.

### 14. INDEMNITY

First Party shall indemnify, defend and hold harmless Second Party and its directors, employees and agents from and against any and all claims, demands, fines, losses, damages, costs, penalties, expenses, actions, suits or proceedings, injuries, monetary liability on account of injury to/ death of any person, costs of response to any governmental inquiry, liability for loss of or damage to property or for loss or damage arising from attachments, liens or claims of materials, men or laborers, and cost of response to Governmental enquiries, reasonable attorney and consulting fees and costs relating to any of the foregoing ("Claims"), arising from First Party's performance of the Agreement or resulting from First Party's acts or omissions or from First Party's tender of Waste Material or from First Party's breach of the Agreement. The foregoing indemnification shall not apply to the extent such Claims are the result of Second Party's gross negligence, willful default, acts or omissions or statutory non compliance or from Second Party's breach of the Agreement.

Second Party shall indemnify, defend and hold harmless First Party and its directors, employees and agents from and against any and all claims, demands, fines, losses, damages, costs, penalties, expenses, actions, suits or proceedings, injuries, monetary liability on account of injury to/ death of any person, costs of response to any governmental inquiry, liability for loss of or damage to property or for loss or damage arising from attachments, liens or claims of materials, men or laborers, and cost of response to Governmental enquiries, reasonable attorney and consulting fees and costs relating to any of the foregoing ("Claims"), arising from Second Party's performance of the Agreement or resulting from Second Party's acts or omissions or from Second Party's breach of the Agreement. The foregoing indemnification shall not apply to the extent such Claims are the result of First Party's gross negligence, willful default, acts or omissions or statutory non compliance or from First Party's breach of the Agreement.

*Nirav Shah*



**15. NON WAIVER**

Any delay or omission on the part of each Party in exercising any rights provided under applicable laws or under the Agreement shall not impair such rights or operate as a waiver thereof. The partial exercise of any right provided under applicable laws or under the Agreement shall not preclude any other or further exercise thereof or the exercise of any other rights under the Agreement.

**16. VALIDITY**

If at any time during the term of the Agreement, all or any of clause(s) of the Agreement is or becomes illegal, invalid or unenforceable in any respect under the applicable laws, the same shall not affect or impair the legality, validity or enforceability of any other provisions of the Agreement.

**17. ASSIGNMENT**

Neither Party shall have the right to assign or transfer its rights and obligations under the Agreement to any third party or person without the prior written consent of the other Party

**18. SURVIVAL**

Upon termination or expiry of the Agreement Clauses 3 (Service Charges and Payment Terms), Clauses 4 (Taxes and Duties), Clauses 5 (Statutory Compliance), 6 (Confidentiality of Information), 9 (Effects of Termination), 14 (Indemnity), 20 (Dispute Resolution) and 21 (Jurisdiction) will survive such termination or expiry and continue to bind the Parties.

**19. NOTICE**

Unless otherwise provided in the Agreement, any notice, report or other communications given or made under or in connection with the matters contemplated by or arising from the Agreement, shall be deemed to have been duly given or made if sent by personal delivery or registered post or speed post or by facsimile transmission or upon receipted delivery at the address of the relevant Party at the addresses mentioned above.

**20. Dispute Resolution: -**

20.1 If any claim, question, dispute or difference of opinion arises out of or in connection with this Agreement ("Dispute"), whether during or after the Term, a Party may give a notice of existence of such Dispute to the other Party. Each Party shall make good faith efforts and use all reasonable endeavours to settle the Dispute within 30 (thirty) days of issuance of such notice of existence of the Dispute by a Party.

20.2 Any Dispute which has not been resolved by good faith discussions and negotiations between the Parties in accordance with Clause 20.1 above, shall be referred by either Party to arbitration under the provisions of the Arbitration and Conciliation Act, 1996.

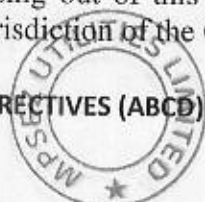
20.3 APSEZL shall select and appoint a sole arbitrator for adjudication of the Dispute, within 30 (thirty) days of reference of the Dispute to arbitration under this Clause 27. The arbitration proceedings shall be held in Ahmedabad, India and shall be conducted in English language.

20.4 Notwithstanding the pendency of resolution of any Dispute, the Parties shall continue to perform their respective obligations under this Agreement without any delay or interruption.

21. That in case of any dispute arising out of this Agreement, the same shall be subject to exclusive and only territorial jurisdiction of the Courts at Mundra.

22. ANTI BRIBERY & CORRUPTION DIRECTIVES (ABCD)

*Nirav Shah*





MPSEZ UTILITIES LTD. (MUL) - CETP is aware that ACL has instituted a whistleblower policy to promote the highest standards of professionalism, honesty, integrity and ethical behavior within the organization. MPSEZ UTILITIES LTD. (MUL) - CETP declares that it has not paid or agreed to pay any favor either in cash or kind to any of the officials of ACL either directly or indirectly to secure this Agreement and further undertakes to promptly inform ACL if any such demand is made in future by any officials either directly or indirectly. MPSEZ UTILITIES LTD. (MUL) - CETP is also aware that if it is found indulged in any of fraudulent, unfair or unethical practices, MPSEZ UTILITIES LTD. (MUL) - CETP shall be liable for such action as per the prevailing law including termination of this Agreement by concurrent notice. Please see Annexure – L in this regard.

**23. RELATIONSHIP OF PARTIES**

Nothing contained in the Agreement shall be construed as the engagement of Second Party as an agent or partner of First Party. The relationship between the Parties shall be principal to principal, it being clearly understood that it is a “contract for services” and not a “contract of services” and does not create and shall not be deemed to create any partnership, joint venture or a principal agent relationship between the Second Party and First Party. Further First Party shall not be entitled to by act, word, deed or otherwise make any statement on behalf of Second Party or in any manner bind Second Party or hold out or represent that Second Party is representing or acting as agent or partner of the First Party.

**24. NON EXCLUSIVE ENGAGEMENT**

First Party hereby grants to Second Party a non-exclusive right, on the terms and conditions contained herein, to provide the Services. Nothing herein contained shall prevent or prohibit First Party from engaging other Parties for the provision of the Services. It is clearly understood between the Parties hereto that Second Party shall also on their part be at liberty to be engaged by other manufacturers who generate waste material in the process of manufacturing finished products for the provision of the Services.

**25. HEADINGS**

The paragraph headings contained in the Agreement are for the convenience of the Parties and shall not affect the meaning and interpretation of the Agreement.

**26. ENTIRE AGREEMENT**

The Agreement along with its annexure embodies the entire understanding between the Parties hereto and supersedes all previous correspondence, agreements and understanding, if any. This agreement shall be executed simultaneously in Two (2) counterpart originals, but shall, nevertheless together constitute one and the same instrument.





IN WITNESS WHEREOF this Agreement is executed in two counterparts on the day and year first above written. Each Party hereto shall preserve one counterpart of the Agreement.

SIGNED AND DELIVERED for and on behalf of

MPSEZ UTILITIES LTD. (MUL) - CETP, by the hand of its authorized signatory,

Nizar Shah

Nizar Shah

in the presence of:

1. [Signature]  
Signature of Witness 1,

Bhagwati Suresh Sharma  
(Name of Witness 1)

2. [Signature]  
Signature of Witness 2,

Chingasing Rajput  
(Name of Witness 2)

SIGNED AND DELIVERED for and on behalf of

Ambuja Cements Limited, by the hand of its authorized signatory,

Moumita Chakraborty

MOUMITA CHAKRABORTY

in the presence of:

1. [Signature]  
Signature of Witness 1,

GAURAV KUSHWAHA  
(Name of Witness 1)

2. M.M. Muley  
Signature of Witness 2,

MANJUSHA MULEY  
(Name of Witness 2)





#### **ANNEXURE A**

##### **Results of analysis of samples sent by First Party to R&D of Second Party**

##### **1. Waste Material Specifications: Chemical Sludge from CETP (as received)**

<b>Components</b>	<b>Chemical Sludge from CETP</b>
% Moisture	<b>2.12</b>
NCV (Kcal/Kg) (ODB)	<b>764</b>
% S	<b>1.21</b>
% Cl	<b>0.27</b>
Flash Point	<b>Must be below 100 degree C</b>

Note:

- Waste should be properly sealed and packed in bags as mentioned under Clause 1.2 (Packaging and labeling hereof).
- Waste should be consistent in terms of quality and similar to the samples send for testing to our lab.
- The above specified values other than moisture content can vary with in the +/- 10 % range.

#### **ANNEXURE B**

##### **List of Banned Items**

**Chemical Sludge from CETP** dispatched by First Party's Manufacturing Plant to the Second Party's Cement Plant shall not contain following items that are in the banned item list of Second Party for Co-processing.

- Radioactive waste
- Asbestos-containing waste
- Explosives and ammunition / weapons
- Anatomical medical waste
- Electronic fraction of electrical and electronic waste (e-waste)
- Whole batteries as a targeted material stream
- Waste of unknown or unpredictable composition, including unsorted municipal waste



## ANNEXURE C

### Format for labeling of the Hazardous and other Waste bags/individual containers

#### FORM 8

[See rules 17 (1) and 18 (2)]

#### LABELLING OF CONTAINERS OF HAZARDOUS AND OTHER WASTE

Handle with care

Waste category and characteristics as per Part C of Schedules II and III of these rules .....	Incompatible wastes and substances .....
Total quantity .....	Date of storage .....
Physical State of the waste (Solid/Semi-solid/liquid): .....	
Sender's name and address .....	Receiver's name and address .....
Phone.....	Phone.....
E-mail.....	E-mail.....
Tel. and Fax No.....	Tel. and Fax No.....
Contact person.....	Contact person.....
In case of emergency please Contact .....	

**Note:**

1. Background colour of label - fluorescent yellow.
2. The word, 'HAZARDOUS WASTES' and 'HANDLE WITH CARE' to be prominent and written in red, in Hindi, English and in vernacular language.
3. The word 'OTHER WASTES' to be written prominently in orange, in Hindi, English and in vernacular language.
4. Label should be of non-washable material and weather proof.

## ANNEXURE D

### Quantity & Delivery Schedule

First Party, during the term of the agreement, shall deliver the following quantities of Waste Material to ACL's Cement Plant on yearly basis.

**Waste Material: CETP Sludge 360 MTPA**

First Party, during the term of the agreement, shall deliver the Waste Material to the Second Party's Cement Plant on monthly basis as per the mutually agreed delivery schedule. The delivery schedule of the month will be prepared by the party's through mutual consent and will be finalized before 20<sup>th</sup> of the earlier month.

In case of any change or modification required in the agreed monthly delivery schedule of a particular month by either party, the same shall be brought to the notice of other party at least seven days in advance or as mutually agreed.



## ANNEXURE E

### Guidelines for Transportation of Hazardous Waste\*\*

First Party shall ensure the following during Transportation of the Waste material:

1. Transport Vehicle used for transporting the Waste Material should have valid authorization for transportation.
2. Transporter /driver shall be licensed for collection and transportation of the Waste Material
3. Properly sealed and labeled containers/bags of the Waste Material should only be loaded into the Transport vehicle and there should not be any indications of potential hazards (e.g elevated temperature, barrel expansion, smoke, spillage, leaks);
4. Transport vehicle should be clean, fit for use and all safety equipment should be operational and easily accessible.
5. Transport vehicle used for transportation of waste material shall be marked with an emergency information panel and should be easily identifiable (number plate)
6. Only the compatible waste materials should be transported together
7. Transporter / driver shall carry 4/5 (Four/Five as the case may be) copies of manifest and shall be guided on the proper movement of the manifest documents.
8. Transporter/driver should be provided with relevant information in Form 11 (Transport Emergency (TREM) Card) of Hazardous and other Wastes (Handling and Transboundary Movement) Rules 2016, regarding the Hazardous nature of the waste and measures to be taken in case of any emergency
9. Logistics should be clearly defined for minimizing OH & safety risks
10. All relevant legal requirements for transportation should be fulfilled
11. Suitable specific emergency response procedures / crisis management plan and equipment should be in place and driver and cleaner should be trained accordingly.

*\*\* Please note that the above mentioned Guidelines for Transportation of Waste Material does not relieve First Party from the applicable statutory provisions and regulations relating to Transportation of Hazardous Waste such as Motor Vehicles Rules, 1989 and CPCB guidelines for Transportation of hazardous waste.*





**ANNEXURE F**  
**Protocols for Receipt of Waste Material (Hazardous waste)**

The following procedures shall be followed when receiving Waste Material at the Cement Plant of Second Party:

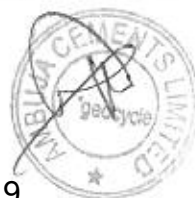
- Transporter will report to the Second Party's security gate for delivery of the Waste Material at storage area(s) of Second Party's designated Cement Plants.
  - Second Party's security officer shall inform the concerned officer of the designated Cement Plant.
  - Second Party's Cement Plant officer will undertake following activities:-
- (a) Receive all relevant documents from the First Party's Transporter including;
    - (i) Delivery document
    - (ii) Certificate from the First Party specifying conformance to the waste specifications.
    - (iii) Invoice indicating zero payment by second party
    - (iv) Health & Safety Data Sheet of each of the material
    - (v) Manifest Form (7-copies as the case may be) and other necessary documents as per the statutory requirements.
    - (vi) Any other document mutually agreed between the parties.
  - (b) Second Party shall arrange and record the weight of the Transport vehicle on the weigh bridge installed at the plant before and after unloading of the Waste Material at the designated storage area.
  - (c) Second Party shall make necessary arrangements for unloading of the Waste Material at the designated storage area(s) and shall arrange to store the consignment of Waste Material the designated storage area, as per the date on which the consignment is delivered to the cement plant and shall also record the no. of bags, date of delivery, consignment no., truck no. etc. in the inventory sheet as set out in Annexure H attached to the Agreement.
  - (d) Second Party shall arrange to conduct inspection and sampling of the Waste Material as required and report to the First Party whether the Waste Material is conforming to specifications list in Annexure A and Annexure B with in eight (8) days of receipt of Waste Material.
  - (e) In case Waste Material is not properly sealed/ packed as set out in clause 1.2 (Packaging/Labeling), Second Party shall inform the same to First Party and both the parties shall discuss and arrive at solution for safe handling and disposal of waste material.
  - (f) Second Party shall keep the storage area locked with appropriate surveillance by the security.
  - (g) To attend any emergency situation, the Second Party shall maintain a copy of the risk assessment and crisis management plan with its security officer and also with its concerned officer.
  - (h) Second Party shall ensure the proper movement of the manifest form at each stage as set out in Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016.
  - (i) Second Party shall submit returns to the Authorities in the Form 4 as set out in Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016 and the format for the same is attached with this Agreement as Annexure J.



## ANNEXURE G

### Health & Safety Data Sheet - Chemical Sludge from CETP

geocycle		Customer / Waste Qualification Form				4 of 4		HEALTH & SAFETY																	
NOTE: It is important to fill all sections of this document. Some points may be not relevant or not known for a given AFR, indicate this accordingly.																									
Instruction		All cells with drop down menus and relevant checkboxes (peach in color) need to be completed on this sheet - some data are extracted from Safety data sheet						Available																	
								N																	
Hazard Identification (This info is based on hazard knowledge and not necessarily Legal / regulatory specification)																									
<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;"> Flammable <input type="checkbox"/> N</td> <td style="text-align: center;"> Combustible <input type="checkbox"/> N</td> <td style="text-align: center;"> Oxidizing <input type="checkbox"/> N</td> <td style="text-align: center;"> Health hazard <input type="checkbox"/> N</td> <td style="text-align: center;"> Acute Toxicity <input type="checkbox"/> N</td> <td style="text-align: center;"> Serious Health hazard <input type="checkbox"/> N</td> <td style="text-align: center;"> Corrosive <input type="checkbox"/> N</td> <td style="text-align: center;"> Environmentally damaging <input type="checkbox"/> Y</td> </tr> <tr> <td style="text-align: center;"> Liable to spontaneous combustion <input type="checkbox"/> N</td> <td style="text-align: center;"> Contact with water and flammable gases <input type="checkbox"/> N</td> <td style="text-align: center;"> Can form Explosive Atmosphere <input type="checkbox"/> N</td> <td style="text-align: center;"> Compressed Gas <input type="checkbox"/> N</td> <td style="text-align: center;"> Explosive <input type="checkbox"/> N</td> <td style="text-align: center;"> Infectious substances <input type="checkbox"/> N</td> <td style="text-align: center;"> Radioactive <input type="checkbox"/> N</td> <td style="text-align: center;"><input type="checkbox"/> Y Not Combustible</td> </tr> </table>										 Flammable <input type="checkbox"/> N	 Combustible <input type="checkbox"/> N	 Oxidizing <input type="checkbox"/> N	 Health hazard <input type="checkbox"/> N	 Acute Toxicity <input type="checkbox"/> N	 Serious Health hazard <input type="checkbox"/> N	 Corrosive <input type="checkbox"/> N	 Environmentally damaging <input type="checkbox"/> Y	 Liable to spontaneous combustion <input type="checkbox"/> N	 Contact with water and flammable gases <input type="checkbox"/> N	 Can form Explosive Atmosphere <input type="checkbox"/> N	 Compressed Gas <input type="checkbox"/> N	 Explosive <input type="checkbox"/> N	 Infectious substances <input type="checkbox"/> N	 Radioactive <input type="checkbox"/> N	<input type="checkbox"/> Y Not Combustible
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 Liable to spontaneous combustion <input type="checkbox"/> N	 Contact with water and flammable gases <input type="checkbox"/> N	 Can form Explosive Atmosphere <input type="checkbox"/> N	 Compressed Gas <input type="checkbox"/> N	 Explosive <input type="checkbox"/> N	 Infectious substances <input type="checkbox"/> N	 Radioactive <input type="checkbox"/> N	<input type="checkbox"/> Y Not Combustible																		
Probable Consequence of exposure via a specific Route of Entry																									
Consequence		High Disability / One or more fatalities		Medium Serious illness – absent for longer than 7		Low Minor illness – No absence or absent for 7																			
		Health hazard		Acute Toxicity		Serious Health hazard		Corrosive																	
By eye contact		Low		Not Applicable		Not Applicable		Not Applicable																	
By skin contact		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
By inhalation		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
By ingestion		Low		Not Applicable		Not Applicable		Not Applicable																	
Probability of hazardous reactions																									
		Formation of Toxic vapor		Ignition could occur		Explosion could occur		Polymerization occur																	
At high temperature		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
Under high pressure		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
When exposed to Water		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
When exposed to Air		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
When exposed to Acid/Base		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
Other		Not Applicable		Not Applicable		Not Applicable		Not Applicable																	
Comments		The reactivity and toxicity information is based on the feedback from party representative. They have not carried out any scientific study in this regard and information is based on their observation/Experience.																							
Fire instruction																									
Appropriate measures		Absence of fire sources																							
Inappropriate measures		Absence of extinguishing media																							
Suitable media (water / foam / Water)		Water																							
Specific risks / instructions		Fire/Littering																							
Spill instructions																									
Clean-up procedures		Can be easily cleaned																							
Recovery procedures		Can be mixed with regular lot																							
Disposal procedures		As per government directive																							
Contact in urgent cases		Mr. Satendra Singh- 7227048528																							
Special Personal protection (additional to standard site PPE)																									
Clothing		N		Eye Protection		N		Respiratory																	
Feet Protection		N		Hand		Y		Gloves																	
								Other																	
								N																	
First aid																									
Appropriate measures		To seek medical aid in case of uneasiness																							
Inappropriate measures		To do self medication without knowledge																							
Affidavit (to be completed by waste generator)																									
To the best of my knowledge, I certify that the waste / AFR delivered to LafargeHolcim / Geocycle conforms to the above description, and that all information represented by herewith in this profile is accurate and complete.																									
Date : (dd/mm/yyyy)		1		8		0		8																	
		2		0		2		0																	
Name : Chirgansh Rajput				Position: Manager EHS				Signature : Approved by SM on behalf of WG																	



**ANNEXURE H**  
**Inventory List - Format for maintaining records of Waste Material**

**FORM 3**  
[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

**FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES**

1. Name and address of the facility
2. Date of issuance of authorisation and its reference number
3. Description of hazardous and other wastes handled (Generated or Received)

Date	Type of waste with category as per Schedules I, II and III of these rules	Total quantity (Metric Tonnes)	Method of Storage	Destined to or received from

*\* Fill up above table separately for indigenous and imported waste.*

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or pre-processor or utiliser:
5. Date of environmental monitoring (as per authorisation or guidelines of Central Pollution Control Board):

Signature of occupier

Date.....

Place.....





ANNEXURE I

CERTIFICATE OF CO-PROCESSING



## Certificate of Co-Processing

Issued To: MPSEZ UTILITIES LTD. (MUL) - CETP

Invoice No:.....

Date: 31/01/2021

This is to certify that we have taken receipt of the following quantities of **Waste Material** sent by **MPSEZ UTILITIES LTD. (MUL) - CETP** for Pre and / Or Co-processing in our Cement Kiln during the period XX/XX/2021 to XX/XX/2021. The same would be safely and completely disposed off within 90 days of receipt and thereafter will not exist.

**Waste Name:** Chemical Sludge from CETP

**Quantity (Tons):** .....

**SAMPLE**



Authorized Signatory

Ambuja Nagar Cement works

## ANNEXURE J- Format of Form 4

### FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

#### FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March]

1. Name and address of facility:
2. Authorisation No. and Date of issue:
3. Name of the authorised person and full address with telephone, fax number and e-mail:
4. Production during the year (product wise), wherever applicable

#### Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise
2. Quantity dispatched
  - (i) to disposal facility
  - (ii) to recycler or co-processors or pre-processor
  - (iii) others
3. Quantity utilised in-house, if any -
4. Quantity in storage at the end of the year -

#### Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received -
2. Quantity in stock at the beginning of the year -
3. Quantity treated -
4. Quantity disposed in landfills as such and after treatment -
5. Quantity incinerated (if applicable) -
6. Quantity processed other than specified above -
7. Quantity in storage at the end of the year -

#### Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year -
  - (i) domestic sources
  - (ii) imported (if applicable)
2. Quantity in stock at the beginning of the year -
3. Quantity recycled or co-processed or used -
4. Quantity of products dispatched (wherever applicable) -
5. Quantity of waste generated -
6. Quantity of waste disposed -
7. Quantity re-exported (wherever applicable)-
8. Quantity in storage at the end of the year -

Date.....

Place.....



Signature of the Occupier or  
Operator of the disposal facility

**ANNEXURE - K**  
**Health and Safety Policy of ACL**



**Ambuja  
Cement**



## **HEALTH & SAFETY POLICY**

Ambuja Cements Limited is an industry leader in the building materials industry.

We conduct our business in a manner that creates a healthy and safe environment for all stakeholders - our employees, contractors, communities and customers - built on a sound health and safety culture.

Health and Safety is our core value. We believe in visible leadership and personal accountability for Health and Safety at all levels and throughout our organization.

Nothing we do is worth getting hurt for.

### **Our Commitment**



We will:

- Conduct our business with a goal of zero harm.
- Provide safe, healthy and secure work conditions for employees and contractors.
- Maintain a global Health and Safety Management System designed to continuously improve our performance and actively minimize risk in our business.
- Comply with applicable legal, regulatory, industry and corporate requirements.
- Communicate openly with all stakeholders on relevant health and safety issues.
- Empower all employees and contractors to stop any unsafe work.

Date of Issue: 21<sup>st</sup> February 2020

*Neeraj Akhoury*  
**Neeraj Akhoury**  
Managing Director & CEO



<p><b>Ambuja Cement</b></p> <p></p> <p><b>Health &amp; Safety Rules</b></p> <p><b>Rule 1</b> I assess and control risks before starting any task.</p> <p><b>Rule 2</b> I only perform activities for which I am authorized.</p> <p><b>Rule 3</b> I never override or misuse health and safety devices, and I always use the required PPE.</p> <p><b>Rule 4</b> I do not work under the influence of alcohol or drugs.</p> <p><b>Rule 5</b> I report all incidents.</p> <p>Living by these rules is a condition of employment.</p>	<p><b>Ambuja Cement</b></p> <p></p> <p><b>स्वास्थ्य और सुरक्षा नियम</b></p> <p><b>नियम 1</b> कोई भी कार्य शुरू करने से पहले मैं जोखिमों का आकलन और नियंत्रण करता/करती हूँ।</p> <p><b>नियम 2</b> मैं केवल उन गतिविधियों को करता/करती हूँ जिनके लिए मैं अधिकृत हूँ।</p> <p><b>नियम 3</b> मैं कभी भी स्वास्थ्य और सुरक्षा संबंधी उपकरणों का उल्लंघन या दुरुपयोग नहीं करता/करती हूँ, तथा सदैव आवश्यक PPE (निजी सुरक्षा संबंधी उपकरण) का इस्तेमाल करता/करती हूँ।</p> <p><b>नियम 4</b> मैं कभी भी शराब या मादक पदार्थों के नशे में कार्य नहीं करता/करती हूँ।</p> <p><b>नियम 5</b> मैं सभी हादसों की रिपोर्ट करता/करती हूँ।</p> <p>इन नियमों का सक्रिय रूप से पालन करना रोजगार की एक शर्त है।</p>
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## **ANNEXURE – L**

### **Anti Bribery & Corruption Directives (ABCD) of Ambuja Cements Limited**

#### **1. Prohibition of Corrupt Payments**

First Party affirms that it has not and agrees that it will not (in connection with Services under this Contract or in connection with any other business involving Second Party) make, offer, promise, agree to make or authorize any payment or transfer of anything of value, directly or indirectly to:

- (i) any Government Official (defined hereunder);
- (ii) any political party, party official or candidate;
- (iii) any person while knowing or having reason to know that all or a portion of the value will be offered, given or promised, directly or indirectly, to anyone described in items (i) or (ii) above;
- (iv) any owner, director, employee, representative/agent of any actual/potential customer of Second Party;
- (v) any director, employee, representative or agent of Company or any of its affiliates; or
- (vi) any other person or entity if such payment or transfer would violate the laws of the country in which it is made or the FCPA or the laws of any other relevant jurisdiction as applicable.

It is the intent of the parties that no payments or transfers of value shall be made which have the purpose or effect of public or commercial bribery, acceptance of or acquiescence in extortion, kickbacks or other unlawful or improper means of obtaining business or any improper advantage.

#### **2. Anti-Corruption Policy**

First Party acknowledges that it has been provided with a copy of Second Party's Anti-Bribery and Corruption Directive, confirms its understanding of the directives established by that document, and agrees to comply with that policy in connection with its work for Company.

#### **3. Audit Rights**

Second Party shall be allowed reasonable access to First Party's books, records and other documentation related to this Contract or First Party's transaction with Company and shall have the right to audit First Party on a periodic basis.

#### **4. Cooperation on Disputes**

First Party shall cooperate with Company in regard to any inquiry, dispute or controversy related to a suspected or alleged violation of the Foreign Corruption Practices Act (FCPA), if applicable, Anti Bribery & Corruption Directive (ABCD) and all the applicable related statutory compliances in which Second Party may become involved and of which First Party may have knowledge. Such cooperation shall include disclosure of relevant documents and financial information, and interviews of First Party's personnel. Such obligation shall continue after the expiration or termination of this Contract.

#### **5. Use of Third Parties (Sub-Contractor)**

First Party shall not use any other party, individual or entity to provide any part of the Services that the First Party is required to provide under this Contract, without the express prior written approval of Second Party. First Party hereby affirms that it shall obtain an assurance from each of such Sub Contractors that he/it will comply with all the applicable statutory compliances, FCPA, if applicable, Second Party's Code of Conduct and the ABCD, and will take no action that might cause Second Party to be in violation of such laws and policies. All contracts/agreements between First Party and Third Parties will be subject to review by Second Party. Any subcontracting third party is subject to due diligence under Second Party's due diligence procedures before being approved.

Notwithstanding whatever is contained herein Second Party shall not have privity with such Sub-Contractor(s) and shall not in any way be responsible to such Sub Contractor(s) or their activities.



## 6. Termination in case of violation

Notwithstanding any other provision of this Contract, this Contract shall terminate immediately and without notice, for cause, and shall become null and void, without effect or further liability or obligation on the part of Second Party, upon the occurrence of any of the following circumstances:

1. Violation of Law: This Contract, the relationship created hereby or the performance of any service by First Party hereunder is determined by Second Party or by a competent authority of the United States or India to be in violation of or contrary to the FCPA, if applicable, or any law, decree, rule, order, regulation or prohibition of India;
2. Corrupt Payments: First Party's representations, warranties, and covenants in connection with the ABCD are inaccurate or misleading, or have been breached, or Second Party learns of circumstances that give it reason to believe that such representations, warranties and covenants are or may be inaccurate, misleading, or breached. In any such case no further amounts shall be due to First Party pursuant to this Contract; First Party shall not be entitled to receive, and hereby waives rights to, any termination payment or compensation of any kind because of termination or nonrenewal of this Contract, and First Party agrees that any enhancements in the value of First Party's goodwill as a result of its relationship with Second Party will inure to the benefit of Second Party.

## 7. Annual Certification and Agreement to Report Violations

First Party agrees that it will, at the request of Second Party, and at least annually, certify in the below provided format (Format Of Annual Certification As Per The Anti-Bribery And Corruption Directive of Ambuja Cements Limited) a that it has not, and to its knowledge no other person, including but not limited to every owner, director, employee, representative and agent of First Party has made, offered to make, agreed to make, or authorized any payment, loan, donation or gift of money or anything else of value, directly or indirectly, to or for the benefit of any Government Official, political party, party official or candidate, in order to obtain or retain business, or secure any improper advantage. First Party further agrees that, if it should learn of information regarding any such actual or suspected payment or offer in connection with Second Party's business, First Party will immediately contact us at email:- [ac1@ethicalview.com](mailto:ac1@ethicalview.com) or toll free helpline 1800 209 1005 or Online: [www.integrity.lafargeholcim.com](http://www.integrity.lafargeholcim.com) fax +91 (22) 66459796 or post box no. 25, HO Pune - 411001 of such knowledge or suspicion.

## 8. Definition - Government Official

"Government Official" means any officer or employee of any government or any department, agency or instrumentality thereof, or of any government-owned or government-controlled corporation or any public international organization, or any person acting in an official capacity for or on behalf of any such government or department, agency, instrumentality, corporation or a public international organization.

## FORMAT OF ANNUAL CERTIFICATION AS PER THE ANTI-BRIBERY AND CORRUPTION DIRECTIVE OF AMBUJA CEMENTS LIMITED

The undersigned hereby acknowledges:

- Second Party has established and implemented the Anti-Bribery and Corruption Directive, together with internal controls reasonably designed to achieve compliance with the applicable laws;
- The undersigned has received, read, and understands Second Party's ABC Directive;
- The undersigned agrees, unconditionally, to comply with all the terms and conditions of Second Party's ABC Directive and with the laws and regulations of the country in which the undersigned operates; and
- The undersigned understands that violation of Second Party's ABC Directive may result in termination of the undersigned's business relationship with Second Party and potential criminal prosecution.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name





# **Annexure – 11**

# DETAILS OF CETP MEMBER UNITS (DISCHARGING INDUSTRIAL EFFLUENT)

M / s. Ahlstrom Fiber Composites India Pvt. Ltd.

Sr. No.	Month	Product	Production in MT	Water Consumption, KL	Wastewater Discharge, KL
1	Oct-2020	Medical gown & Textile and Hygiene textile	964.09	3381	775
2	Nov-2020		911.44	2464	575
3	Dec-2020		941.3	2691	775
4	Jan-2021		935.47	2772	775
5	Feb-2021		867	3005	700
6	March-2021		1009.37	2888	701

**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 :** H-94333, 14/04/2021

**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=628282,Kilo Litre=10508

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8393 / 402 / 1713 / 0

**9. Electricity consumed in PRODUCTION :** 1246616 **ETP/CETP :** 42250 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=41.875,INC. Waste for Incineration=7.090,Co-Incineration Waste to other Industry=130.430,Trucks despatched=35

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	420.000-M.T	
FUE	FUR	fo	50.874-M.T	
FUE	LDO	ldo	1.230-KLT	
GAS		HCL	0.040-KGS	
GAS		NH3	13.530-KGS	
GAS		NOX	438.940-KGS	
GAS		PM	954.490-KGS	
GAS		SO2	670.000-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	550.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2384.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	539.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	502.000-M.T	
PRD	81422	tpt based titanates	704.000-M.T	
PRD	256930	wax (im 3027), by-product	22.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1164904-30/10/2020	GJ15AT0822-30/10/2020		Process Waste-28.1 19.705 MTS (28.1)
1164001-29/10/2020	DN09R9961-29/10/2020		Empty barrel-33.3 3.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1162818-28/10/2020	DN09P9889-28/10/2020		EMPTY BARREL-33.3 3.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1162058-27/10/2020	GJ12AT6168-27/10/2020		PROCESS RESIDUE-28.1 17.230 MTS (28.1)
1161973-27/10/2020	DN09P9883-27/10/2020		Empty Barrel-33.3 4.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1161167-26/10/2020	GJ12AT9420-26/10/2020		CHEMICAL SLUDGE FORM WASTE WATER TREATMENT PLANT 34.3 14.060 MTS (35.3)
1161007-26/10/2020	GJ12BT0125-26/10/2020		Distillation Residue-36.4 7.100 MTS (36.1)
1160757-26/10/2020	GJ27TT2185-26/10/2020		process waste -28.1 9.430 MTS (28.1)
1160117-25/10/2020	DN09R9230-25/10/2020		EMPTY DRUMS-33.3 1.700 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1158956-23/10/2020	DN09R9160-23/10/2020		Empty Barrel-33.3 4.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

N I C

Date : 19/11/2020

2 / 4

Company Seal

Authorised Signatory

Yours Faithfully

1158230-22/10/2020	GJ16X7234-22/10/2020		Distillation Residue-36.4 19.130 MTS (36.1)
1157941-22/10/2020	DN09P9866-22/10/2020		Empty barrel-33.1 2.195 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1157350-21/10/2020	MH04EL3980-21/10/2020		Empty Drums-33.3 3.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1158207-22/10/2020	GJ10X7957-20/10/2020		Distillation Residue-36.4 17.540 MTS (36.1)
1156499-20/10/2020	GJ01BV2811-20/10/2020		Empty barrel-33.3 2.310 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1155791-19/10/2020	DN09R9738-19/10/2020		EMPTY DRUMS-33.1 3.920 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1155685-19/10/2020	GJ18T9787-19/10/2020		Process Waste-28.1 9.345 MTS (28.1)
1155708-19/10/2020	DN09P9874-19/10/2020		Empty barrel-33.3 3.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1155246-19/10/2020	GJ10X7957-19/10/2020		Distillation Residue-36.4 17.470 MTS (36.1)
1153756-17/10/2020	GJ12BW7282-16/10/2020		MIXED SOLVENT-20.1 20.158 MTS (20.1)
1152711-15/10/2020	DN09R9791-15/10/2020		Empty barrel-33.3 1.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1151907-14/10/2020	GJ12AT6575-14/10/2020		Mixed solvent-20.1 15.266 MTS (20.1)
1151869-14/10/2020	GJ01DZ9911-14/10/2020		Empty barrels and containers-33.11 1.690 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1151533-14/10/2020	GJ10Z8735-14/10/2020		Mixed solvent-20.1 15.100 MTS (20.1)
1151020-13/10/2020	MH04GR3986-13/10/2020		Empty Barrals-33.1 2.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1150155-12/10/2020	MH04GR3968-12/10/2020		Empty drums & barrels -33.11 2.050 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1150164-12/10/2020	DN09P9889-12/10/2020		Empty barrels and containers-33.11 3.870 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1150131-12/10/2020	GJ09AU9027-12/10/2020		process residue & waste-28.1 10.675 MTS (28.1)
1151025-13/10/2020	GJ06X8352-11/10/2020		Distillation residue-36.4 18.370 MTS (36.1)
1148844-10/10/2020	DN09R9160-10/10/2020		Empty drums and barrels contaminated with chemicals 33.11 3.780 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)



1148753- 10/10/2020	DN09P9874- 10/10/2020		Empty drums and containers contaminated with chemicals 33.11 4.010 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1148068- 09/10/2020	GJ06X8352- 09/10/2020		Distillation residue-36.36.4 18.315 MTS (36.1)
1147209- 08/10/2020	DN09R9738- 08/10/2020		Empty barrels and containers contaminated with chemicals 33.11 4.295 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1146916- 08/10/2020	DN09R9230- 08/10/2020		Empty barrels and contaminated drums-33.1 4.010 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1146468- 07/10/2020	GJ12AT9415- 07/10/2020		chemical sludge from waste water treatment- 35.3 14.210 MTS (35.3)
1146088- 07/10/2020	GJ27TT2185- 07/10/2020		process residue and waste 28.1 9.090 MTS (28.1)
1145446- 06/10/2020	GJ12AT9417- 06/10/2020		chemical sludge from waste water treatment- 35.3 12.760 MTS (35.3)
1142114- 01/10/2020	GJ01BV2811- 01/10/2020		1.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

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

**PCB ID : 29005**

**2. Phone No. :** 9928088180

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

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

**5. CCA No. & Date of Expiry :** H-94333, 14/04/2021

**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=638475,Kilo Litre=10193

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 8210 / 398 / 1585 / 0

**9. Electricity consumed in PRODUCTION :** 1113386 **ETP/CETP :** 40480 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=14.915,INC. Waste for Incineration=40.215,Co-Incineration Waste to other Industry=74.370,Trucks despatched=29

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	409.700-M.T	
FUE	FUR	fo	59.477-M.T	
FUE	LDO	ldo	2.345-KLT	
GAS		HCL	0.060-KGS	
GAS		NH3	13.680-KGS	
GAS		NOX	470.110-KGS	
GAS		PM	1004.920-KGS	
GAS		SO2	700.120-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	281.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3093.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	474.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	460.000-M.T	
PRD	81422	tpt based titanates	480.000-M.T	
PRD	256930	wax (im 3027), by-product	37.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1186371-28/11/2020	GJ15AT0822-28/11/2020		Process Waste-28.1 20.100 MTS (28.1)
1185487-27/11/2020	GJ12AZ5021-27/11/2020		Distillation residue-36.1 7.250 MTS (36.1)
1184643-26/11/2020	GJ12AW0585-26/11/2020		Process Waste-28.1 16.090 MTS (28.1)
1184597-26/11/2020	DN09P9876-26/11/2020		Empty Barrel-33.3 3.835 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1182813-24/11/2020	DN09P9889-24/11/2020		Empty Barrel-33.3 1.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1181841-23/11/2020	GJ12AW0108-23/11/2020		Different name with category Spent Catalyst-35.2 8.580 MTS (35.2)
1180637-21/11/2020	DN09R9046-21/11/2020		Empty Barrel-33.3 1.985 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1179149-19/11/2020	GJ12BT0152-19/11/2020		Different Waste name i.e. Spent Catalyst-35.2 7.885 MTS (35.2)
1178175-18/11/2020	DN09R9316-18/11/2020		EMPTY DRUMS - 33.1 3.850 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1178510-18/11/2020	DN09R9310-18/11/2020		Empty barrel-33.3 3.570 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1178546-18/11/2020	GJ04X5981-18/11/2020		Chemical Sludge from Water Treatment-34.3 14.915 MTS (35.3)
1177875-17/11/2020	DN09P9866-17/11/2020		EMPTY DRUMS-33.1 3.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1176463-13/11/2020	GJ12Z9795-13/11/2020		MIXED SOLVENTS-20.1 18.165 MTS (20.1)
1176302-12/11/2020	GJ01FT1352-12/11/2020		Empty Barrel-33.3 3.490 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1176254-12/11/2020	GJ01DZ7401-12/11/2020		Empty barrel-33.3 3.735 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1175224-11/11/2020	GJ12BW9243-11/11/2020		Mixed solvent-20.1 19.950 MTS (20.1)
1174625-10/11/2020	GJ18T9787-10/11/2020		Process Waste-28.1 8.490 MTS (28.1)
1173685-09/11/2020	GJ12BT5201-09/11/2020		Distillation Residue-36.4 6.525 MTS (36.1)
1172298-07/11/2020	GJ15AV0084-07/11/2020		Process Waste-28.1 19.965 MTS (28.1)
1171389-06/11/2020	DN09R9763-06/11/2020		contaminated Empty drums -33.11 1.915 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1171379-06/11/2020	GJ12AY2893-06/11/2020		Mixed solvent-20.1 15.058 MTS (20.1)
1170431-05/11/2020	DN09R9791-05/11/2020		Empty Barrel-33.3 3.585 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1169492-04/11/2020	DN09P9874-04/11/2020		Empty Barrel-33.3 3.820 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1169275-04/11/2020	DN09R9160-04/11/2020		Empty Barrel-33.3 1.570 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1168333-03/11/2020	DN09P9866-03/11/2020		Empty Barrel-33.3 1.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1168469-03/11/2020	GJ01DV0535-03/11/2020		EMPTY BARRELS-33.3 3.735 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1168351-03/11/2020	GJ01BV2811-03/11/2020		Empty Barrel-33.3 2.190 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1167484-02/11/2020	GJ01DX8840-02/11/2020		Process waste-28.1 9.725 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 :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** H-94333, 14/04/2021

**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=648641,Kilo Litre=10166

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 7995 / 432 / 1739 / 0

**9. Electricity consumed in PRODUCTION :** 1131586 **ETP/CETP :** 46080 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=21.935,INC. Waste for Incineration=47.435,Co-Incineration Waste to other Industry=294.510,



Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	449.150-M.T	
FUE	FUR	fo	71.055-M.T	
FUE	LDO	ldo	2.456-KLT	
GAS		HCL	0.080-KGS	
GAS		NH3	14.240-KGS	
GAS		NOX	581.520-KGS	
GAS		PM	1153.220-KGS	
GAS		SO2	808.970-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	50.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2734.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	450.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	448.000-M.T	
PRD	81422	tpt based titanates	597.000-M.T	
PRD	256930	wax (im 3027), by-product	34.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1213848-31/12/2020	GJ01JT7172-31/12/2020		Empty barrel-33.3 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1213750-31/12/2020	GJ12AT7363-31/12/2020		Waste Name changed i.e. Filters & Filters materials/contaminated cotton waste-35.1 6.635 MTS (35.1)
1213787-31/12/2020	DN09P9871-31/12/2020		Empty barrels-33.3 3.730 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1213040-30/12/2020	GJ16X6520-30/12/2020		PROCESS RESIDUE-28.1 15.280 MTS (28.1)
1212884-30/12/2020	GJ18T9787-30/12/2020		process Residue-28.1 9.560 MTS (28.1)
1211245-28/12/2020	GJ12AW0585-28/12/2020		Distillation Residue-36.4 15.380 MTS (36.1)
1211198-28/12/2020	GJ12AT9419-28/12/2020		Waste name changed i.e. filter and filters materials/contaminated cotton waste-35.1 8.600 MTS (35.1)
1211308-28/12/2020	GJ06X8352-28/12/2020		PROCESS RESIDUE-28.1 15.440 MTS (28.1)
1210240-27/12/2020	MH04FJ0836-27/12/2020		EMPTY DRUMS-33.3 2.700 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1210285-27/12/2020	DN09R9763-27/12/2020		EMPTY DRUMS-33.3 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1209260-26/12/2020	DN09R9310-26/12/2020	Empty drums and containers/liners-33.11 2.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1208478-25/12/2020	GJ01JT7172-25/12/2020	EMPTY IBC'S-33.3 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1207451-24/12/2020	GJ12AT9415-24/12/2020	Waste Name Changed i.e.Filters and filters materials/contaminated cotton waste-35.1 6.135 MTS (35.1)
1206286-23/12/2020	DN09P9874-23/12/2020	EMPTY IBC'S-33.3 2.370 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1206745-23/12/2020	MH04GR3963-23/12/2020	EMPTY DRUMS AND IBC-33.3 3.180 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1206041-22/12/2020	DN09R9046-22/12/2020	Empty barrel-33.3 1.990 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1205671-22/12/2020	MH43Y0877-22/12/2020	Process Waste-28.1 22.180 MTS (28.1)
1205080-21/12/2020	GJ23Y5573-21/12/2020	PROCESS WASTE-28.1 16.930 MTS (28.1)
1204963-21/12/2020	GJ21W3696-21/12/2020	Distillation Residue-36.4 17.440 MTS (36.1)
1204371-21/12/2020	GJ27TT2185-21/12/2020	PROCESS WASTE-28.1 10.595 MTS (28.1)
1203447-19/12/2020	GJ01JT7172-19/12/2020	Empty IBC and liners-33.11 3.710 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1202430-18/12/2020	GJ12BT0215-18/12/2020	Waste name changed i.e. Filters and Filters materials/contaminated cotton waste-35.1 2.905 MTS (35.1)
1201646-17/12/2020	MH04FY2076-17/12/2020	Empty Barrel-33.3 2.800 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1201512-17/12/2020	DN09R9763-17/12/2020	Empty drums & Barrels-33.11 3.630 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1200799-16/12/2020	GJ12BT2909-16/12/2020	Empty Drums and barrels-33.11 1.470 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1200796-16/12/2020	GJ12BT9672-16/12/2020	EMPTY BARREL-33.3 1.200 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1200300-16/12/2020	DN09R9316-16/12/2020	Empty drums and barrels-33.11 4.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1200035-15/12/2020	RJ27GA3345-15/12/2020	Distillation Residue-36.4 17.515 MTS (36.1)
1199942-15/12/2020	GJ12AZ5021-15/12/2020	Waste name changed i.e. Filters and Filters materials/contaminated cotton waste-35.1 8.280 MTS (35.1)
1198827-14/12/2020	GJ12AT8666-14/12/2020	PROCESS WASTE-28.1 23.640 MTS (28.1)

1198000-12/12/2020	GJ12AT9415-12/12/2020	Chemical sludge from waste water treatment plant -35.3 9.620 MTS (35.3)
1197444-11/12/2020	GJ10W6355-11/12/2020	Mixed solvent-20.2 14.796 MTS (20.2)
1197451-11/12/2020	GJ01JT7172-11/12/2020	Empty barrels and container-33.11 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1196715-10/12/2020	GJ12Y5243-10/12/2020	Mixed solvent-20.1 14.131 MTS (20.1)
1195913-09/12/2020	GJ06X8352-09/12/2020	Process Waste-28.1 17.180 MTS (28.1)
1195976-09/12/2020	MH04FJ0837-09/12/2020	EMPTY ICB-33.3 2.400 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1195819-09/12/2020	RJ27GA3345-09/12/2020	Distillation Residue-36.4 17.545 MTS (36.1)
1195640-09/12/2020	MH04FJ0836-09/12/2020	Empty barrel-33.3 2.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1194900-08/12/2020	DN09U9326-08/12/2020	EMPTY DRUMS-33.3 2.295 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1194863-08/12/2020	GJ01DX8840-08/12/2020	Process Residue and Waste-28.1 9.745 MTS (28.1)
1194843-08/12/2020	MH04GR3968-08/12/2020	EMPTY DRUMS-33.3 2.915 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1194032-07/12/2020	GJ12AZ5021-07/12/2020	Distillation Residue-36.4 5.165 MTS (36.1)
1193900-07/12/2020	GJ21W3696-07/12/2020	Distillation Residue-36.4 17.100 MTS (36.1)
1193779-07/12/2020	GJ09AU9027-07/12/2020	Process Residue and Waste-28.1 10.365 MTS (28.1)
1192502-05/12/2020	DN09R9316-05/12/2020	Empty Barrel-33.3 1.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1192301-05/12/2020	GJ01JT7172-05/12/2020	Empty drums and barrels-33.11 2.500 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1192212-05/12/2020	GJ01JT7172-05/12/2020	EMPTY DRUMS-33.3 5.535 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1191785-05/12/2020	GJ12BT9672-05/12/2020	Empty Barrel-33.3 1.225 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1191625-04/12/2020	DN09P9874-04/12/2020	EMPTY DRUMS-33.3 3.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1191626-04/12/2020	MH04FJ0838-04/12/2020	EMPTY DRUMS-33.3 4.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1191594-04/12/2020	RJ27GA3345-04/12/2020		Distillation Residue-36.4 18.050 MTS (36.1)
1191584-04/12/2020	GJ19X7523-04/12/2020		Distillation Residue-36.4 17.715 MTS (36.1)
1191574-04/12/2020	GJ16X6520-04/12/2020		PROCESS RESIDUE & WASTE-28.1 14.060 MTS (28.1)
1190751-03/12/2020	GJ12AT7363-03/12/2020		CHEMICAL SLUDGE FORM WASTE WATER TREATMENT -34.3 12.315 MTS (35.3)
1189295-02/12/2020	GJ27TT2185-02/12/2020		PROCESS WASTE-28.1 9.415 MTS (28.1)
1188829-01/12/2020	DN09R9763-01/12/2020		EMPTY DRUMS-33.3 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1188811-01/12/2020	DN09P9889-01/12/2020		EMPTY dRUMS-33.3 3.710 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1188818-01/12/2020	GJ12BT0152-01/12/2020		Disstillation Residue-36.4 9.715 MTS (36.1)

**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 :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** H-94333, 14/04/2021

**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=657787,Kilo Litre=9140

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 7214 / 417 / 1509 / 0

**9. Electricity consumed in PRODUCTION :** 1161536 **ETP/CETP :** 42490 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=66.705,INC. Waste for Incineration=31.175,Co-Incineration Waste to other Industry=191.050,Trucks despatched=51



Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	548.900-M.T	
FUE	FUR	fo	65.134-M.T	
FUE	LDO	ldo	2.700-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	15.320-KGS	
GAS		NOX	556.860-KGS	
GAS		PM	1103.330-KGS	
GAS		SO2	734.440-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	464.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2880.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	532.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	436.000-M.T	
PRD	81422	tpt based titanates	589.000-M.T	
PRD	256930	wax (im 3027), by-product	5.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1238395-30/01/2021	GJ18AX0303-30/01/2021		Chemical sludge from waste water treatment -35.3 15.165 MTS (35.3)
1237453-29/01/2021	DN09U9179-29/01/2021		Spent catalyst-35.2 with different waste name 17.985 MTS (35.2)
1237062-29/01/2021	DN09P9871-29/01/2021		EMPTY DRUMS -33.3 2.415 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1236328-28/01/2021	GJ27TT2185-28/01/2021		PROCESS RESIDUE -28.1 9.145 MTS (28.1)
1235538-27/01/2021	DN09R9238-27/01/2021		EMPTY BARREL-33.3 1.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1233938-25/01/2021	GJ18AX0289-25/01/2021		Spent catalyst-35.2 with different waste name 6.485 MTS (35.2)
1232504-23/01/2021	DN09P9866-23/01/2021		EMPTY DRUMS-33.3 1.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1232587-23/01/2021	GJ18AX0293-23/01/2021		chemical sludge from waste water treatment -35.3 18.495 MTS (35.3)
1232274-23/01/2021	MH04GR3968-23/01/2021		EMPTY BARREL-33.3 3.225 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1230689-21/01/2021	GJ06X8352-21/01/2021		PROCESS RESIDUE-28.1 16.200 MTS (28.1)

1229897-20/01/2021	GJ19X1178-20/01/2021	Spent catalyst-35.2 with different waste name 17.415 MTS (35.2)
1229855-20/01/2021	GJ16X6520-20/01/2021	PROCESS WASTE-28.1 15.000 MTS (28.1)
1229230-20/01/2021	GJ12Z9946-20/01/2021	PROCESS RESIDUE-28.1 23.585 MTS (28.1)
1228835-19/01/2021	MH04EL6304-19/01/2021	EMPTY BARREL-33.3 2.885 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1228472-19/01/2021	DN09P9868-19/01/2021	EMPTY DRUMS AND IBCS-33.3 2.395 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1228026-18/01/2021	GJ19X7523-18/01/2021	SPENT CATALYST-35.2 with different discription from process 17.185 MTS (35.2)
1227743-18/01/2021	GJ27TT2185-18/01/2021	Process Waste-28.1 9.375 MTS (28.1)
1226497-16/01/2021	DN09R9961-16/01/2021	Empty drums and barrels-33.11 2.140 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1225724-15/01/2021	DN09R9545-15/01/2021	Empty IBCs-33.11 2.225 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1225260-15/01/2021	DN09P9871-15/01/2021	EMPTY DRUMS-33.3 2.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1224713-13/01/2021	DN09R9238-13/01/2021	Empty IBCs -33.11 2.395 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1223764-12/01/2021	GJ01DZ7235-12/01/2021	EMPTY DRUMS AND IBC-33.3 2.610 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1223720-12/01/2021	DN09R9046-12/01/2021	EMPTY DRUMS-33.3 1.875 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1223696-12/01/2021	GJ12AZ5021-12/01/2021	SPENT CATALYST-35.2 8.400 MTS (35.2)
1223722-12/01/2021	GJ01FT1352-12/01/2021	EMPTY DRUMS-33.3 3.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1222687-11/01/2021	GJ19X7523-11/01/2021	SPENT CATALYST-35.2 16.525 MTS (35.2)
1222346-11/01/2021	DN09P9889-11/01/2021	EMPTY DRUMS AND IBC-33.3 2.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1221241-09/01/2021	DN09P9874-09/01/2021	Empty IBCs-33.11 2.080 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1221091-09/01/2021	GJ12BW8643-09/01/2021	MIXED SOLVENT-20.1 18.255 MTS (20.2)
1221026-09/01/2021	GJ12AT9417-09/01/2021	chemical sludge from waste water treatment plant-35.3 15.925 MTS (35.3)

1220572-08/01/2021	GJ27TT4925-08/01/2021	EMPTY DRUMS-33.3 1.835 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1220569-08/01/2021	GJ01BY5956-08/01/2021	PROCESS RESIDUE-28.1 7.325 MTS (28.1)
1220510-08/01/2021	GJ01FT1122-08/01/2021	EMPTY DRUMDS AND IBC-33.3 2.310 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1220504-08/01/2021	GJ27TT1496-08/01/2021	EMPTY DRUMS-33.3 3.645 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1220496-08/01/2021	GJ27TT1496-08/01/2021	EMPTY DRUMS-33.3 3.645 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1220528-08/01/2021	GJ12BX7641-08/01/2021	MIXED SOLVENT-20.1 17.971 MTS (20.1)
1220564-08/01/2021	GJ18T9787-08/01/2021	PROCESS RESIDUE-28.1 9.730 MTS (28.1)
1220211-08/01/2021	GJ12X2550-08/01/2021	MIXED SOLVENT-20.1 13.471 MTS (20.1)
1219533-07/01/2021	GJ01DZ7003-07/01/2021	EMPTY DRUMS-33.3 1.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1219536-07/01/2021	DN09U9179-07/01/2021	Distillation Residue-36.4 16.515 MTS (36.1)
1219526-07/01/2021	GJ12Z4126-07/01/2021	MIXED SOLVENT-20.1 20.000 MTS (20.1)
1219377-07/01/2021	GJ12BT0215-07/01/2021	Chemical Sludge from Waste water treatment-34.3 17.120 MTS (35.3)
1218632-06/01/2021	GJ01DZ3828-06/01/2021	EMPTY BARREL-33.3 1.925 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1217837-05/01/2021	GJ12BT5210-05/01/2021	Different name with category Spent Catalyst-35.2 8.400 MTS (35.2)
1217745-05/01/2021	GJ12AT5032-05/01/2021	MIXED SOLVENTS-20.1 14.098 MTS (20.1)
1217733-05/01/2021	GJ12Z2727-05/01/2021	MIXED SOLVENTS-20.1 13.990 MTS (20.1)
1217706-05/01/2021	GJ12V9688-05/01/2021	PROCESS RESIDUE-28.1 15.530 MTS (28.1)
1216773-04/01/2021	GJ12AZ5021-04/01/2021	Distillation Residue-36.4 7.890 MTS (36.1)
1216230-04/01/2021	GJ12AZ7315-04/01/2021	MIXED SOLVENT-20.1 14.936 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1215332-02/01/2021	GJ12AZ4925-02/01/2021	MIXED SOLVENT-20.1 15.176 MTS (20.1)

1214538-01/01/2021	GJ12Z2727-01/01/2021		MIXED SOLVENT-20.1 15.506 MTS (20.1)
1214378-01/01/2021	GJ12AU6525-01/01/2021		MIXED SOLVENT-20.1 15.196 MTS (20.1)

**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 :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** H-94333, 14/04/2021

**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=665883,Kilo Litre=8102

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 6240 / 401 / 1461 / 0

**9. Electricity consumed in PRODUCTION :** 1081966 **ETP/CETP :** 39420 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=8.520,INC. Waste for Incineration=53.135,Co-Incineration Waste to other Industry=341.430,Trucks despatched=52



Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	481.500-M.T	
FUE	FUR	fo	64.759-M.T	
FUE	LDO	ldo	2.075-KLT	
GAS		HCL	0.120-KGS	
GAS		NH3	15.370-KGS	
GAS		NOX	462.370-KGS	
GAS		PM	975.560-KGS	
GAS		SO2	594.020-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	91.000-M.T	
PRD	256929	distilled glycerine (by-product)	23.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3304.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	392.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	14.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	357.000-M.T	
PRD	81422	tpt based titanates	598.000-M.T	
PRD	256930	wax (im 3027), by-product	11.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDf Name	H.W Remark / Qty
1264710-27/02/2021	GJ12AT6168-27/02/2021		PROCESS RESIDUE-28.1 20.755 MTS (28.1)
1264990-27/02/2021	GJ01DZ9944-27/02/2021		EMPTY DRUMS AND IBCS-33.1 2.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1264393-26/02/2021	GJ18AX0289-26/02/2021		DISTILLATION RESIDUE-36.4 8.565 MTS (36.1)
1264482-26/02/2021	GJ09AU9027-26/02/2021		PROCESS RESIDUE-28.1 8.185 MTS (28.1)
1263475-25/02/2021	GJ12Y5298-25/02/2021		MIXED SOLVENT 15.020 MTS (20.2)
1263124-25/02/2021	DN09U9179-25/02/2021		spent ion exchange resins/catalysts-35.2 13.655 MTS (35.2)
1261096-23/02/2021	GJ12AU9754-23/02/2021		Mixed solvent-20.1 13.816 MTS (20.2)
1261355-23/02/2021	GJ01DZ7355-23/02/2021		EMPTY DRUMS-33.3 2.035 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1260462-22/02/2021	GJ06X8352-22/02/2021		waste name differ i.e. Spent Catalyst-35.2 16.020 MTS (35.2)

1260333-22/02/2021	GJ23AT2438-22/02/2021	Empty drums and Barrels-33.11 3.450 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1260324-22/02/2021	GJ09Z9392-22/02/2021	Process residue-28.1 11.120 MTS (28.1)
1260053-22/02/2021	GJ12AW8704-22/02/2021	Mixed solvent-20.1 15.353 MTS (20.1)
1257743-19/02/2021	GJ19V7627-19/02/2021	Spent catalyst-35.2 with different waste name 13.730 MTS (35.2)
1257699-19/02/2021	GJ27TT2185-19/02/2021	PROCESS WASTE-28.1 8.325 MTS (28.1)
1257666-19/02/2021	GJ12AW0112-19/02/2021	Waste Residue containing oil-5.2 9.160 MTS (5.2)
1256546-18/02/2021	GJ12AT8666-18/02/2021	PROCESS WASTE-28.1 20.410 MTS (28.1)
1256662-18/02/2021	GJ23AT2176-18/02/2021	EMPTY DRUMS-33.1 2.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1256490-18/02/2021	MH04EB0541-18/02/2021	EMPTY DRUMS-33.1 3.690 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1256439-18/02/2021	GJ01DY2613-18/02/2021	EMPTY DRUMS-33.1 3.505 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1255751-17/02/2021	GJ16X6520-17/02/2021	Spent catalyst-35.2 with different waste name 15.430 MTS (35.2)
1255705-17/02/2021	GJ12AT9418-17/02/2021	Waste Residue containing oil-5.2 7.955 MTS (5.2)
1255633-17/02/2021	GJ23AT2438-17/02/2021	Empty barrels and drums,IBCs-33.11 2.075 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1255367-17/02/2021	GJ01FT4987-17/02/2021	EMPTY DRUMS-33.1 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1254443-16/02/2021	GJ19V7627-16/02/2021	Spent catalyst-35.2 waste name differs in waste category 13.480 MTS (35.2)
1253676-15/02/2021	GJ19X7523-15/02/2021	Spent catalyst-35.2 with different waste name 16.070 MTS (35.2)
1253399-15/02/2021	MH04FJ0838-15/02/2021	Empty drums and barrels-33.11 4.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1253005-15/02/2021	GJ12V9688-15/02/2021	spent catalyst-35.2 waste name differs in waste category 14.900 MTS (35.2)
1253267-15/02/2021	GJ12AZ5021-15/02/2021	Chemical Sludge From waste water treatment-34.3 8.520 MTS (35.3)
1252889-15/02/2021	GJ19Y8666-15/02/2021	PROCESS RESIDUE-28.1 19.050 MTS (28.1)

1252884-15/02/2021	GJ19Y7773-15/02/2021		PROCESS RESIDUE-28.1 19.210 MTS (28.1)
1252150-14/02/2021	GJ01FT4987-13/02/2021		EMPTY DRUMS-33.1 1.855 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1251049-12/02/2021	GJ12AW0585-12/02/2021		Spent catalyst-35.2 with different waste name 15.955 MTS (35.2)
1251041-12/02/2021	RJ27GA3345-12/02/2021		Spent catalyst-35.2 with different waste name 14.045 MTS (35.2)
1250021-11/02/2021	GJ12AZ5012-11/02/2021		WASTES/RESIDUES CONTAINING OIL-5.2 7.120 MTS (5.2)
1249851-11/02/2021	GJ12AU9333-11/02/2021		MIXED SOLVENT-20.1 13.736 MTS (20.1)
1249996-11/02/2021	DN09R9316-11/02/2021		EMPTY DRUMS-33.1 3.795 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1249051-10/02/2021	GJ12X0158-10/02/2021		MIXED SOLVENTS-20.1 14.396 MTS (20.1)
1249036-10/02/2021	GJ06X8352-10/02/2021		PROCESS RESIDUE-28.1 14.030 MTS (28.1)
1249007-10/02/2021	DN09R9230-10/02/2021		EMPTY DRUMS-33.3 1.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1248969-10/02/2021	GJ12AU9072-10/02/2021		MIXED SOLVENTS-20.1 15.206 MTS (20.1)
1248881-10/02/2021	GJ21W3696-10/02/2021		Spent catalyst-35.2 with different waste name 14.785 MTS (35.2)
1247718-09/02/2021	GJ01DX8840-09/02/2021		PROCESS RESIDUE-28.1 9.270 MTS (28.1)
1244103-05/02/2021	GJ12AW0104-05/02/2021		PROCESS RESIDUE-28.1 5.060 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1243892-05/02/2021	GJ16X6520-05/02/2021		PROCESS RESIDUE-28.1 16.670 MTS (28.1)
1244097-05/02/2021	DN09R9160-05/02/2021		EMPTY DRUMS-33.3 3.690 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1244046-05/02/2021	GJ12V9688-05/02/2021		Process Waste-28.1 16.240 MTS (28.1)
1243040-04/02/2021	GJ12AZ5012-04/02/2021		SPENT CATALYST-35.2 9.520 MTS (35.2)
1242146-03/02/2021	GJ01JT7172-03/02/2021		EMPTY DRUMS and IBCS-33.3 3.275 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1241542-03/02/2021	GJ12AT6168-03/02/2021		PROCESS RESIDUE-28.1 21.775 MTS (28.1)

1241094-02/02/2021	DN09P9874-02/02/2021		Empty Barrel-33.3 2.925 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1240950-02/02/2021	GJ12AZ5021-02/02/2021		Spent Catalyst-35.2 with different waste name 5.755 MTS (35.2)
1239782-01/02/2021	GJ18T9787-01/02/2021		Process Waste-28.1 9.240 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 :** CEE-72166,26/07/2020

**5. CCA No. & Date of Expiry :** H-94333, 14/04/2021

**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=677293,Kilo Litre=11410

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 9228 / 468 / 1714 / 0

**9. Electricity consumed in PRODUCTION :** 1275366 **ETP/CETP :** 1313920 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=14.200,Co-Incineration Waste to other Industry=178.870,Trucks despatched=40

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	516.600-M.T	
FUE	FUR	fo	63.806-M.T	
FUE	LDO	ldo	3.490-KLT	
GAS		HCL	0.700-KGS	
GAS		NH3	13.000-KGS	
GAS		NOX	506.410-KGS	
GAS		PM	1097.570-KGS	
GAS		SO2	697.620-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	86.000-M.T	
PRD	256929	distilled glycerine (by-product)	4.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3781.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	521.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	4.900-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	509.000-M.T	
PRD	81422	tpt based titanates	885.000-M.T	
PRD	256930	wax (im 3027), by-product	41.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDf Name	H.W Remark / Qty
1291047-31/03/2021	GJ12AW0585-31/03/2021		DISTILLATION RESIDUE-36.1 16.585 MTS (36.1)
1291034-31/03/2021	DN09R9160-31/03/2021		EMPTY DRUMS AND IBC'S-33.1 2.165 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1291015-31/03/2021	GJ27U6558-31/03/2021		MIXED SOLVENTS-20.1 16.042 MTS (20.1)
1291010-31/03/2021	GJ03BW4383-31/03/2021		MIXED SOLVENTS-20.1 18.629 MTS (20.1)
1290963-31/03/2021	DN09P9874-31/03/2021		Empty barrels and containers-33.11 3.095 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1290730-31/03/2021	GJ01BV2083-31/03/2021		EMPTY DRUMS-33.1 2.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1290199-30/03/2021	RJ27GA3345-30/03/2021		DISTILLATION RESIDUE-36.1 16.165 MTS (36.1)
1288703-27/03/2021	MH04GR3965-27/03/2021		Empty drums and containers-33.11 2.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1288609-27/03/2021	GJ10TX6463-27/03/2021		Mixed Solvent-20.1 18.642 MTS (20.1)



1288192-26/03/2021	GJ12BW9064-26/03/2021	MIXED SOLVENTS-20.1 18.613 MTS (20.1)
1288049-26/03/2021	GJ12AW0585-26/03/2021	Distillation Residue-36.1 14.350 MTS (36.1)
1288108-26/03/2021	GJ12BT7641-26/03/2021	MIXED SOLVENTS-20.1 18.577 MTS (20.1)
1287859-26/03/2021	GJ27TT9027-26/03/2021	Process Residue-28.1 9.700 MTS (28.1)
1287667-26/03/2021	GJ23AT2176-26/03/2021	EMPTY DRUMS-33.1 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1287585-26/03/2021	MH04FD3409-26/03/2021	EMPTY DRUMS-33.1 3.655 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1287114-25/03/2021	GJ12BX7641-25/03/2021	MIXED SOLVENTS-20.1 19.448 MTS (20.1)
1286716-25/03/2021	GJ12Z9946-25/03/2021	Process waste-28.1 22.115 MTS (28.1)
1286324-24/03/2021	GJ23Y5573-24/03/2021	Distillation Residue-36.4 17.150 MTS (36.1)
1286301-24/03/2021	GJ23Y5573-24/03/2021	Distillation Residue-36.4 17.150 MTS (36.1)
1285004-23/03/2021	DN09P9874-23/03/2021	EMPTY DRUMS-33.1 3.685 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1284299-22/03/2021	GJ12AW0585-22/03/2021	Distillation Residue-36.4 16.475 MTS (36.1)
1283910-22/03/2021	GJ19X4641-22/03/2021	Process Residue-28.1 7.590 MTS (28.1)
1282640-20/03/2021	DN09R9763-20/03/2021	EMPTY BARREL-33.3 6.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1280094-17/03/2021	GJ12AW0585-17/03/2021	DISTILLATION RESIDUE-36.4 16.975 MTS (36.1)
1280087-17/03/2021	DN09P9871-17/03/2021	Empty drums and containers-33.11 1.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1278518-16/03/2021	DN09R9160-16/03/2021	EMPTY BARRELS-33.1 2.010 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1278134-15/03/2021	DN09P9870-15/03/2021	EMPTY DRUMS-33.1 3.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1276913-13/03/2021	MH04GR3965-13/03/2021	Empty barrels and containers-33.11 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1274576-10/03/2021	DN09R9046-10/03/2021	Empty barrels-33.11 3.775 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1273575-09/03/2021	GJ18T9787-09/03/2021		PROCESS RESIDUE-28.1 7.500 MTS (28.1)
1273347-09/03/2021	MH04EL6305-09/03/2021		EMPTY DRUMS AND IBCS-33.1 2.040 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1273569-09/03/2021	GJ09AU9027-09/03/2021		PROCESS RESIDUE-28.1 8.525 MTS (28.1)
1272665-08/03/2021	DN09U9179-08/03/2021		spent catalysts-35.2 16.730 MTS (35.2)
1272694-08/03/2021	GJ01FT1122-08/03/2021		EMPTY DRUMS-33.1 2.420 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1272618-08/03/2021	DN09P9866-08/03/2021		EMPTY DRUMS-33.1 3.540 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1269219-04/03/2021	GJ12AT9417-04/03/2021		Chemical sludge from waste water treatment 14.200 MTS (35.3)
1268499-03/03/2021	GJ01DY2613-03/03/2021		EMPTY DRTUMS AND IBCS-33.1 2.085 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1268298-03/03/2021	GJ01FT1323-03/03/2021		Empty Barrel-33.3 2.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1267603-02/03/2021	MH04FJ2076-02/03/2021		EMPTY DRUMS-33.1 4.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1267610-02/03/2021	GJ01DZ9944-02/03/2021		EMPTY DRUMS-33.1 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1266808-01/03/2021	GJ12AU9419-01/03/2021		PROCESS RESIDUE-28.1 9.010 MTS (28.1)

# **Annexure – 12**

## Forwarding & Undertaking Letter from Industry

Application for consent for establishing / operation the industrial plant / plants under Section 21 of the Air (prevention & Control of Pollution ) Act, 1981

**Important** This Document or its copy does "NOT" serve as a Supporting Document Proof of Industry's Submission of an  
**Note :** Application for a NOC / Consent. This Letter does "NOT" ensure that the Application FEES has been paid.

**Application Purpose :** MUL is applying for CC&A Renewal along with change in mode of disposal for CETP sludge through TSDF site and/or co-processing at cement industry. The details of previous CC&A orders:- CC&A Order No. AWH - 79311, Issue on 02/06/2016, and Valid up to 07.04.2021; & CC&A Order No. WH - 107851 Issue on 06/06/2020, and is Valid up to 07.04.2021.

**From :** MPSEZ Utilities Ltd. (MUL), Category: RED / LARGE  
**PLOT NO:** SURVEY NO. 141 (PART),  
**survey no. 141 (part), vill mundra, survey no. 141 (part), vill mundra ,**  
**MUNDRA - 370421**  
**Contact Person: Chiragsing Rajput, Mob:9687678443, Ph:9687678443**  
**DIST: Kutch East, TAL: Mundra, SIDC: Not In Gide**

Print Date: 03/02/2021

**PCB-ID : 10605**  
**INWARD : 189610**  
**Dt:03/02/2021**

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

Scrutinized By: B.M.Dolasiya,SSA(M)(452)

**I / We here by Submitting application for CCA ,Inward No : 189610 ,Date : 03/02/2021 for COW(CCA-Renewal).**

Applying For : A,W,H                      Validity : 5 Years                      Grant By : CHR

Air Sector : 20000~Large Scale Industry                      Water Consumption : 100.000 klpd

Haz Sector : 5000~Large Scale Industry                      No of Plants : 1                      Incenerator : 0

<u>Investment</u>	<u>Air</u>	<u>Water</u>	<u>Hazardous</u>
56.3 Crs	20000	10000	5000+7500
0 Rs	5 Years	5 Years	5 Years

**Payable Fees :** Air : 100000, Water : 50000, Haz : 62500

**Paid Amount : 212500, DD No : VAXC9712792019, Dt: 2/2/2021, at AXC , \*\*\***

Query / Reply:

3-2-21  
**Received**  
Gujarat Pollution Control Board  
Regional Office  
Kutch (East)

	I / We have Uploaded the following PDFs	Date	# Files	Size(kb)	#Page
1	MEM - Member of CETP / TSDF ? Certificate	30/01/21	1	13728	36
2	000 - Any Specific Information Called for [in SCRUTINY]	28/01/21	1	77147	287
3	CMP - Compliance of earlier CCAs - (ONLY Renewal cases)	28/01/21	1	26896	130
4	EAR - Env. Audit Compliance/Auditor Recommendations,3Pgs	19/01/21	1	0	0
5	APC - Air Pollution Control Measures-Details	12/10/20	1	20793	101
6	ENV - Environment Statement , Form-V	31/08/20	1	0	0
7	ANN - Annual Return : Form 4	14/05/20	1	0	0
8	EIA - Executive Summary Statement	11/12/19	1	668	5
9	SSI - SSI-IEM-C.A Certi / Investment Proofs	03/04/19	1	489	6
10	PLL - Plan LayOut + Site Plan	06/02/19	1	4229	9
11	C&A - Previous Consent-Reject / CCA Order / NOC Order	01/03/16	1	2987	29
12	HW3 - *** N.A Now !!! (Details of HW - 2008 rules)	11/06/11	1	583	3
13	ETP - ETP Details+Diagram	13/11/10	1	813	9
14	WAT - *** BreakUp of Water Uses & balance	13/11/10	1	91	4
15	DIR - List of Directors / Partners	13/11/10	1	95	2
16	INV - *** Pls ADD this file in SSI tag- Previous Cases	01/04/09	1	70	1

I, the applicant declare that I have submitted full and complete documents and information in conformity to the applicable acts / rules. I am aware that, any delay / rejection in the processing of application on account of incorrect / incomplete information shall be mine responsibility.

Company s SEAL

1 ( Through XGN )

**N I C**



(Mr. Shalin Shah, GM-Environment, APSEZ)

**Note: I am hereby enclosing Form-I(AIR),Form-D(WATER),Form-1(HAZARDOUS) along with my application.**

**Please Attach Copy of NEFT/RTGS Challan with this Letter if you are paying through NEFT/RTGS.**

# **Annexure – 13**



ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ  
પર્યાવરણભવન, સેક્ટર ૧૦/એ,  
ગાંધીનગર

કાર્યાલય આદેશ

સંદર્ભ: (૧) બોર્ડનો કાર્યાલય આદેશ ક્રમાંક: ગુ.પ્ર.નિ. બોર્ડ - ટી - ૧૨૧(૩)/ એમ. એસ.-૨  
તા.૩૦/૦૩/૨૦૨૦.

(૨) બોર્ડનો કાર્યાલય આદેશ ક્રમાંક: ગુ.પ્ર.નિ. બોર્ડ - ટી - ૧૨૧(૩)/ એમ. એસ.-૪  
તા.૦૩/૦૪/૨૦૨૦.

રાજ્યમાં ફેલાયેલ નોવેલ કોરોના વાયરસ (COVID-19)ની પરિસ્થિતિને ધ્યાને લેતા નીચે મુજબના નિર્ણયો બોર્ડ દ્વારા આથી લેવામાં આવે છે.

- (૧) ઔદ્યોગિક એકમોને આપવામાં આવેલ મંજૂરીઓ( સી.સી.એ. તથા સી.ટી.ઈ.) જેની અવધી ૦૧/૦૪/૨૦૨૧ બાદ પૂર્ણ થાય છે તે તમામની મુદત ૩૦/૦૬/૨૦૨૧ સુધી લંબાવવામાં આવે છે.
- (૨) ઔદ્યોગિક એકમોને બંધ કરવાના હુકમો (ક્લોઝર) આપવામાં આવેલ હતા અને ત્યાર બાદ એકમની રજૂઆતને ધ્યાને રાખી ટુંકા સમય માટેના રીવોકેશન/ ટ્રાયલ રન આપવામાં આવેલ છે જેની મુદત ૦૧/૦૪/૨૦૨૧ બાદ પૂર્ણ થાય છે તે તમામની મુદત ૩૦/૦૬/૨૦૨૧ સુધી લંબાવવામાં આવે છે.
- (૩) ઔદ્યોગિક એકમોને ૦૧/૦૪/૨૦૨૧ બાદ ૧૫ દિવસની અસરથી અમલમાં આવે તે રીતના બંધ કરવાના જે હુકમો કરવામાં આવેલ છે તે તમામ હુકમોના અમલીકરણની આખરી તારીખ ૩૦/૦૬/૨૦૨૧ રહેશે. આ સમય દરમિયાન એકમ દ્વારા પર્યાવરણ સુરક્ષાના તમામ પગલાઓ ભરવાના રહેશે અને બોર્ડની મંજૂરીઓનું પાલન કરવાનું રહેશે.
- (૪) જે ઔદ્યોગિક એકમો દ્વારા ફક્ત સી.સી.એ.-રીન્યુઅલની અરજી કરવામાં આવેલ છે જે હાલમાં મંજૂરીની પ્રક્રિયા હેઠળ છે તે તમામની અરજીઓ તા. ૩૧/૧૦/૨૦૨૧ સુધી મંજૂર કરવાની રહેશે ત્યાર બાદ ચકાસણી કરી અંતીમ નિર્ણય લેવાનો રહેશે. આ અંગે કોઈ નવેસરથી ફી લેવાની રહેશે નહીં.
- (૫) ઔદ્યોગિક એકમો દ્વારા સી.સી.એ.- ફેશ તથા સી.સી.એ.-એમેન્ડમેન્ટની અરજી કરવામાં આવેલ છે અને જેનું ઇન્સ્પેક્શન થઈ ગયેલ છે તેવી અરજીઓ ઓનલાઇન ચકાસણી કરી રજૂ કરવાની રહેશે.

(૬) હાલની પરિસ્થિતિને ધ્યાને રાખી આવશ્યક સેવાઓને લગતા ઉદ્યોગોની તમામ પ્રકારની અરજીઓને પ્રાથમીકતા આપી તાકીદના ધોરણે નિર્ણય લેવાનો રહેશે.

(૭) ચેઇન્જ ઇન પ્રોડક્ટ મીક્ષને લગતી હાલની તમામ પડતર અરજીઓની ચકાસણી કરી ઇ મેઇલ મારફત સમિતીના સભ્યો સમક્ષ વિગતો રજૂ કરી ઇ મેઇલ પર અભિપ્રાય મેળવી નિર્ણય લેવાનો રહેશે.

(૮) જે એકમોએ નીચેના નિયમો હેઠળ મંજૂરી મેળવેલ હોય અને જેની મુદત ૦૧/૦૪/૨૦૨૧ બાદ પૂર્ણ થાય છે તે તમામની મુદત ૩૦/૦૬/૨૦૨૧ સુધી લંબાવવામાં આવે છે.

- પ્લાસ્ટીક વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬
- સોલીડ વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬
- સી.એન્ડ ડી વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬
- બાયો-મેડીકલ વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬
- હેઝાર્ડસ એન્ડ અધર વેસ્ટ (મેનેજમેન્ટ એન્ડ ટ્રાન્સબાઉન્ડ્રી મુવમેન્ટ) રૂલ્સ, ૨૦૧૬
- ઇ-વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬
- બેટરી વેસ્ટ મેનેજમેન્ટ રૂલ્સ, ૨૦૧૬

(૯) આ ઉપરાંત નામ.અદાલત( NGT/SC/ HC) ને લગતા તમામ કેસો જે હાલમાં નામ. અદાલતમાં હુકમોથી સમય આપવામાં આવેલ છે તે તમામની માહિતી અધ્યતન કરી તૈયાર રાખવાની રહેશે.

ઉપરોક્ત તમામ કામગીરી માટે બોર્ડની XGN સિસ્ટમનો ઉપયોગ કરી કરવાનું રહેશે.

આ કાર્યાલય આદેશ તાત્કાલીક અસરથી અમલમાં આવે છે.



(એ.વી.શાહ)

સભ્ય સચિવ

નં: ગુ.પ્ર.નિ. બોર્ડ - ટી - ૧૨૧(૩)/ એમ. એસ.- ૧૨

તા.૧૯/૦૪/૨૦૨૧

નકલ રવાના:

(૧) અધિક મુખ્ય સચિવશ્રી, વન અને પર્યાવરણ વિભાગ, સચિવાલય, ગાંધીનગર

(૨) અધ્યક્ષશ્રી / સભ્ય સચિવશ્રીનું કાર્યાલય

(૩) તમામ યુનિટ હેડશ્રીઓ, વડી કચેરી, ગાંધીનગર

(૨) તમામ પ્રાદેશિક અધિકારીશ્રીઓ

# **Annexure – 14**

## **Details of Greenbelt Development at APSEZ, Mundra**

Total Green Zone Detail Till Up to March – 2021					
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	71.63	34920	7962	69426.00	100646.00
PORT & NON SEZ	81.51	149192	19220	75061.78	62062.38
SEZ	116.60	227120	20489	220583.60	28162.03
MITAP	2.52	8168	33	3340.00	4036.00
WEST PORT	100.25	244112	70331	24612.00	22854.15
AGRI PARK	8.94	17244	1332	5400.00	2121.44
SOUTH PORT	14.45	27530	3470	3882.00	3327.26
Samudra Township	56.89	62522	11834	20908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976	--	--	--
<b>TOTAL (APSEZ)</b>	<b>476.56</b>	<b>798784</b>	<b>134671</b>	<b>423214.27</b>	<b>270729.33</b>
		<b>Total Saplings: 933455 Nos.</b>			

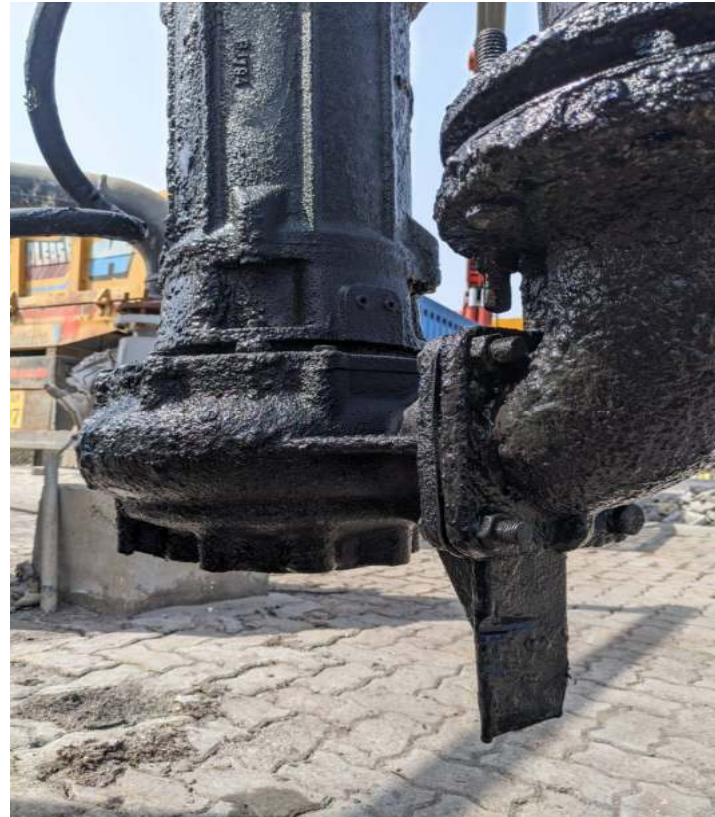
# **Annexure – 15**

# **M U L - CETP M aintenance Report**

**Oct'20 to M ar'21**



## Highlights



**MITAP to CETP sewage pump repairing and cleaning work – 4 times**

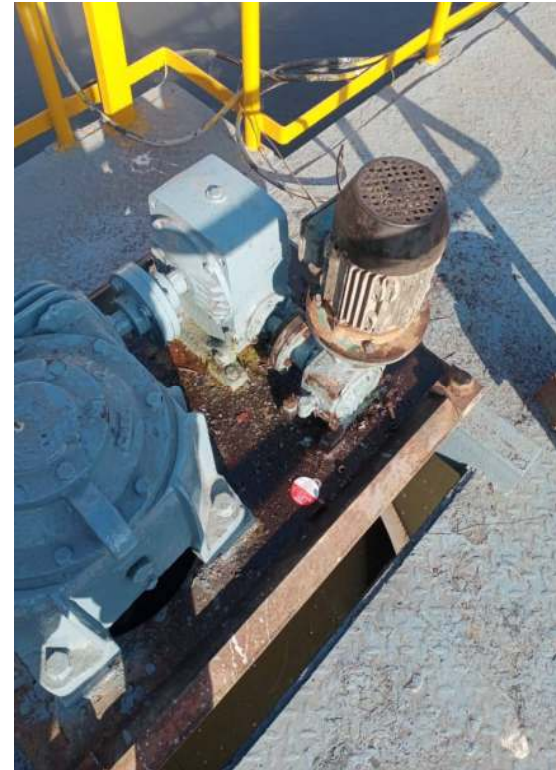
## Highlights



**Thickener pump house - all pumps Preventive maintenance work done**



## Highlights



**Thickener tank agitator new gear box – motor fitting work done and Scraper gear box PM work done**

## Highlights



**Treated water outlet pipeline repairing work and all pumps pm work done**

## Highlights



**Main screen bar repairing work done with gearbox motor PM work done**



## Highlights

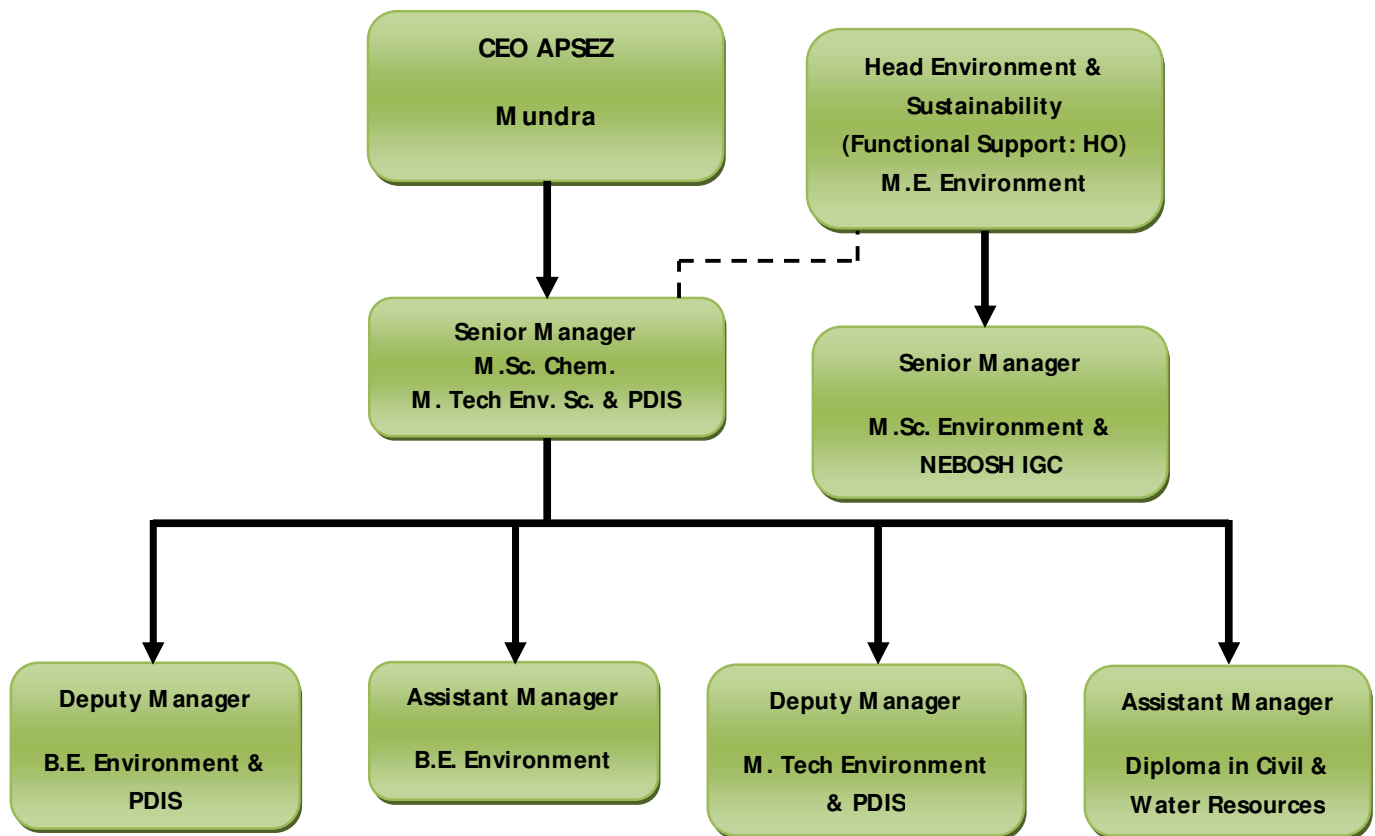


**All dozing pumps repairing work done and its all pipeline new replacement work done**



# **Annexure – 16**

**Organogram of Environment Management Cell, APSEZ, Mundra**



# **Annexure – 17**

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

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		20 18 – 19	20 19 – 20	2020 – 21	2020 – 21
1.	Environmental Study / Audit and Consultancy	6.7	0.33	6.2	51.0
2.	Legal & Statutory Expenses	4.42	0.84	10.58	11.0
3.	Environmental Monitoring Services	20.36	21.74	19.17	30.0
4.	Hazardous / Non Hazardous Waste Management & Disposal	95.72	108.43	83.55	119.8
5.	Environment Days Celebration and Advertisement / Business development	0.28	1.5	5.3	10.0
6.	Treatment and Disposal of Bio-Medical Waste	1.21	1.62	2.09	1.68
7.	Mangrove Plantation, Monitoring & Conservation	47.0	Nil	32.59	32.59
8.	Other Horticulture Expenses	579.32	734.18	689	733
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	144.29	110.18	148.49	160.08
10.	Expenditure of Environment Dept. (Apart from above head)	109.28	105.13	89.11	107.44
<b>Total</b>		<b>1008.58</b>	<b>1083.95</b>	<b>1086.08</b>	<b>1256.59</b>

# **Annexure – 18**

**adani**  
Foundation

# C S R K U T C H

# 2020-21

## Adani Foundation

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





# Our journey

The year 2020-21 has passed off with great experience and new challenges for Adani Foundation due to Covid 19 Pandemic. Adani Foundation team has started working just after one week of lockdown to keep commitment towards the community. As a part of dignity of workforce team has done remarkable work for fresh food and ration kit supply to retain them at workplace with safe and comfortable environment. Regular visit to senior citizen home and running MHCU by medical officers was not less challenging. Our women SHG has prepared more than 1 lac mask for Taluka Health office, Anganwadi Staff, Police Staff, Custom and coastguard and Education staff. Adani Hospital – Non Covid Hospital and GKGH Bhuj Hospital – Covid Care Hospital remained opened 24x7 throughout the year which is matter of great proud.

Current year Sea weed culture and Natural Farming Promotion were the new concepts which will be planned with five years vision. Mangroves costal biodiversity, water harvesting structures and Tissue culture will have sharp turn with proper documentation and demarcation. Adani Vidya Mandir has proven best in education by reaching to unreached through digital technology, happy to see the fisherman students studying sincerely sitting in fisherfolk settlements by operating tablets. New Era touched upon Framers too who are a part of discussion about natural farming on Zoom application. "Vadil Swasthaya Yojna" and "Suposhan" were in last execution year as a Project but both project will be with us by sourcing and moral support by linkages with different Government Scheme.

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

Adani skill Development center entered into MOU with KSKV Kutchh University for various skill development trainings. The ASDC is committed to the cause of the deprived and underprivileged to generate employment through enhancing skills. It has been working relentlessly which resulted in rapport building with District Administration Kachchh also.

Success is due to present of torch barer and mentor in life who is Respected Dr. Priti Adani. If you have mentor like her in life, she can turn a Mess into message. A Test into a Testimony, A Victim into Victory! We heartly thanks our Rakshit bhai, Respected Gadhvi sir and Respected PNR sir for guidance and motivation.

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

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



The future of India depends upon the quality of education imparted to our children. We believe that it is the joint responsibility of the Government and citizens to improve school education. With an aim to enhance the quality of primary education in Kutch District, Adani Foundation proposed to adopt 17 government schools located at Mundra Taluka under the project '*Utthan*' as a pilot project. By this intervention, Adani Foundation seeks to facilitate; Focus on 'Priya' students and celebrate their progress, Make learning joyful, provides adequate resources and facilities, strengthen the curricula to provide basic skills, especially in the areas of literacy, numeracy and skills for life and focus on Teachers' capacity building. **(SDG - 4/4.a)**



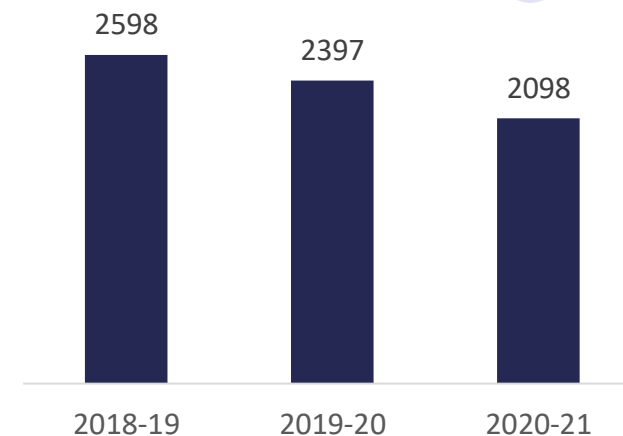
# Utthan

## How Utthan Sahayaks overcame/overcoming the Pandemic

In COVID 19 Pandemic, when the schools were completely closed, education went on mobile platform and students are still dependent on mobile internet for their education.

- ✓ During the initial phase of lockdown Utthan Sahayaks reached Priya Vidyarthi through series of curated SMS and WhatsApp messages, they share text/video/audio content focused on hands-on learning activities.
- ✓ Initial approach realized us that we need to find another way to touch our audience Utthan Sahayaks convert this challenge into opportunity. They make themselves tech savvy by learning how to conduct classes on various platform especially on Google classroom.

Year	No. of school	No. of village	No. of Girls	No. of Boys	Total
2018-19	17	7	1318	1280	2598
2019-20	17	7	1227	1170	2397
2020-21	17	7	1069	1029	2098



### Our out reach for Utthan project

- ✓ In pandemic times ,Priya Vidyarthi's' meet were scheduled on Google meet platform. Primarily Utthan Sahayaks faced the challenges that students are unable to meet them virtually due to the single smart phone availability in the family.
- ✓ Here with us a only solution to make them study available at their door step by following all the guidelines suggested by government to maintain social distances.
- ✓ From October onwards Utthan sahayks approached their students by taking physical classes at their respective residence.



## Utthan – during pandemic

Pandemic situation has challenged the functioning of various activities of the project but team Utthan and Adani Foundation adapted to the transitions required to continue with its outreach. With the travel restrictions, team Utthan has adopted all the protocols assigned by the Adani Foundation and the health authorities and has continued both its offline activities while adopting online methods to carryout its activities especially to reach out our students.



### Capacity Building Program

- Usage of Google meet and Google classroom
- Art of living
- Individual learning
- Digital Bookmarks
- Vedic maths
- Gandhian Education Philosophy

### Competition

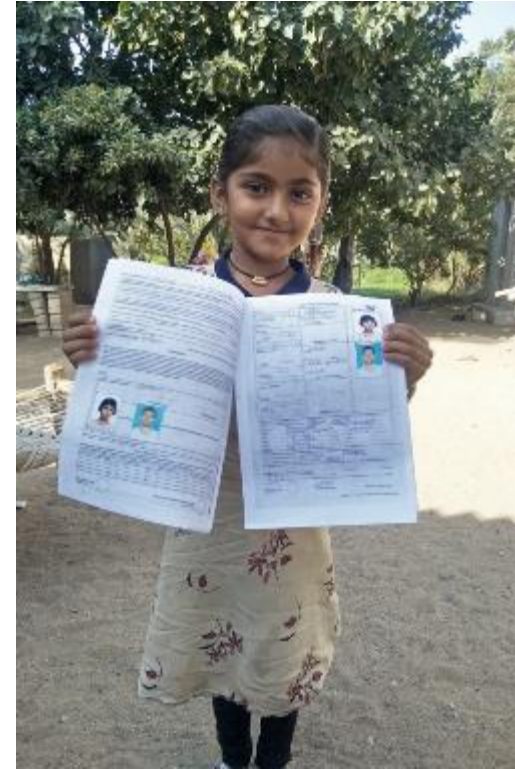
- Essay writing
- Ganpati idol making
- Doha recitation
- Garba decoration
- Christmas celebration
- Makarsankranti celebration





## Utthan Additional achievements

Solar panel has been installed in 17 schools of Utthan – so now the schools will be using renewable energy. Support of teachers and Principal during installation was substantial. This is changing and challenging step for Utthan Project to convert whole school running on renewable energy. In coordination with Mundra Solar Panel manufacturing unit – systems installed with inverters.



Utthan is not only deals with Education – but the main strength of the Project is Sahayak. Sahayaks remain in touch with parents and make them understand the value of education. Apart from it, Utthan Sahayaks motivated more than 700 parents of girl students to open "Sukanya Samriddhi Bank Account" for their bright future



# Utthan – Capacity Building Programmes



## Staff Training - Adani Schools

Date: Saturday, February 20, 2021

10.00 hrs to 12.30 hrs

Platform: ZOOM

Topic: **A Blissful Journey: From Entropy to Stillness**

Resource Person: **Mr Saurabh Beniwal**

15+ years of Corporate and Educational Training Experience during association with various organizations like Next Education, Educamp, Airtel, Intelnet PAN India. He has been associated with Indiannica Learning Pvt. Ltd. as National Head -Teacher Empowerment Initiatives, conducted more than 700 highly energetic Workshops, Seminars and counselling sessions for Teachers, Students, Principals and Parents on various topics listed in profile below. Served more than 1,00,000 teachers, students and Parents across nation.

Timings	Discussion Point	Material/Activity
10:00 to 10:30 hrs	Presence of Mind, Comfort Zone	PPT presentation, Discussion
10:30 to 11 hrs	Types of learners and how to deal with them, 3 C's of Life	PPT, Discussion and Activity
11 to 11:30 hrs	Human Experiential Model, Effective Communication with blocks to listening, Power of positive thinking	PPT, Story, Discussion
11:30 to 12 Noon	Goal Setting for teachers, communication Gap, Outer world Vs Inner World	PPT, Video, Story, Discussion
12:00 Noon to 12:30 hrs	Material Vs Spiritual Knowledge, Meditation	PPT, Guided musical meditation for 15 minutes

# Utthan - Impact



## IMPACT OF THE PROGRAM

### Beneficiary of Online classes

- 17 Utthan Sahayaks
- 17 Gov. Primary Schools
- 2098 total students

### Weekly Content of IT and Physical Education

- 106 Gov. Pri. School
- 35000+ students

### Virtual Mothers meet

- 500+ Mothers attended meeting on Google meet

### Capacity Building Program

- 70+ Webinar attended by Utthan Sahayak
- 10 Seminar/Workshop

### Competition /Celebration

- 248 Students took part virtually

# Uthhan – Testimonials

## Confessions



'Solar Panel installation in Uthhan Schools is biggest step towards best usage of renewable energy. Now our students can study comfortably during absence of electricity and not only this – student can understand value of solar energy too"

Principal,

Mundra, Kutch, Gujarat



'Utthan Sahayaks with the help of customized curriculum and structured time table meet huge success to achieve the main objective of the program

In corona pandemic Uthhan Sahayak acted as a main force for students to remain active during lockdown through home visits, various competitions and E-events.

In future, Utthan will be sound support system for Government Schools of Mundra

I wish all the best to Team Uthhan

Haresh Patel  
Taluka Primary Education Officer  
Kachchh- Bhuj

# Uthhan – Testimonials

## Confessions



'During this pandemic period Utthan Sahayaks are doing very commendable job. We will receive an encouraging feedback from Parents too. Project Utthan has made a positive impact on our students as well as in school too.

Mahendrasingh Solanki  
Principal,  
Zarpara Shaala no. 3  
Mundra, Kutch, Gujarat



'Education is what builds a nation generation after generation and the process begins early on; first at homes/communities and then in the schools. With an aim to enhance the quality education in government primary school in Kutch district project Utthan launched by Adani Foundation with the close monitoring by GoG as a pilot project with 17 schools at Mundra.

After the completion of 2 years, project marks a very positive impression not only in school but also in community. Utthan Sahayaks played a vital role to transfer Priya *Vidyarthi* into main stream. School culture and environment has become more advanced and techno based with the up skilling of government teachers through various capacity building program. Attendance of schools has increased due to active Mothers meet and SMC meetings.

I am sure in near future with the active involvement of this project performance level of government primary school shall further improve.

My good wishes and support are always with the team!'

Prabhav Joshi (IAS)  
District Development Officer  
Kachchh- Bhuj



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

**EDUCATION: FREE AND COMPULSORY** – WHAT A WAY TO LEARN LOGIC!" The quote mentioned unfolds the distinguished vision of Adani Foundation to provide cost-free education, food, uniform, books to the children of economically challenged families of Mundra Bock. Adani Vidya Mandir, Bhadrashwar 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.



# Adani Vidya Mandir, Bhadreshwar

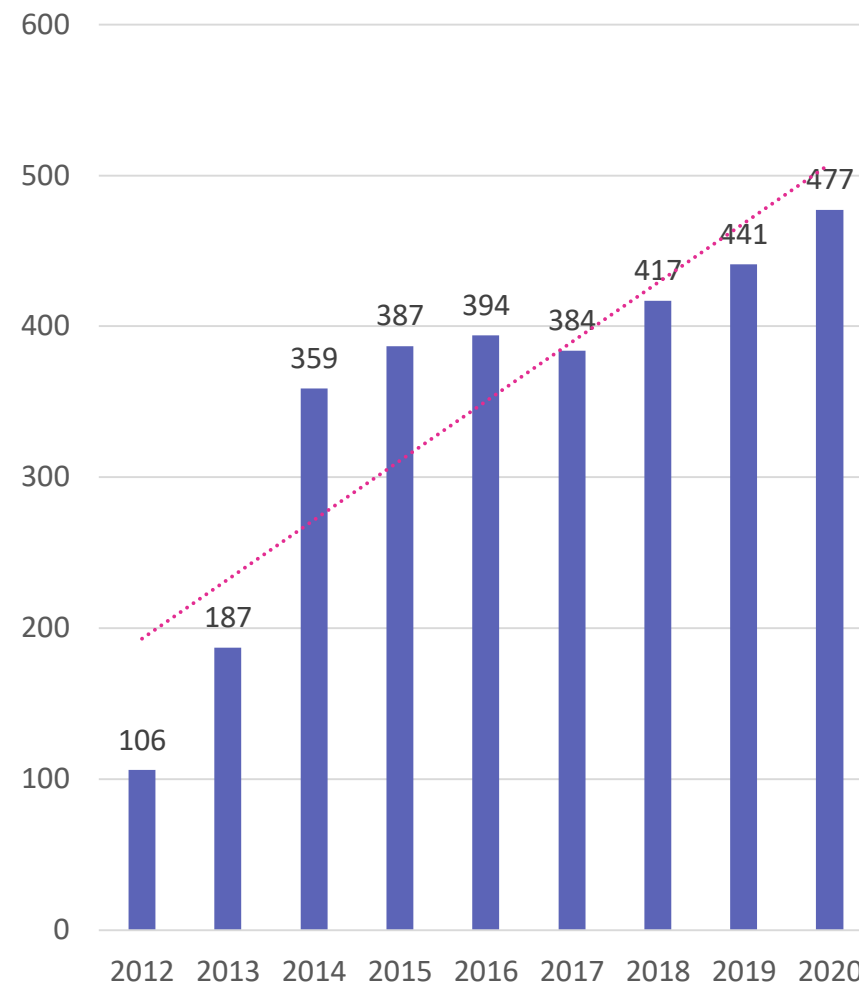
Adani Vidya Mandir Bhadreshwar Gujrat Board Standard 10th Examination Result is 82.60% (19 students have passed the examination out of 23). Adani Foundation will take all responsibility of further study of students with respect to their interest.

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

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

AVMB STD - 10 SECOND BATCH RESULT		
Year 2020-2021		
SR NO	GRADE	STUDENTS
1	Above 80 %	00
2	Above 70 %	02
3	Above 60 %	05
4	Above 50 %	07
5	Above 40 %	05
6	Fail	04
TOTAL		23

No's of students





## Activities Covered

- Admission process of Std 1 students through draw system.
- Online Class through What Sapp and YouTube video
- DD Girnar Timetable intimation and & Follow-Up
- Regular home visit for homework and lessons with PPE's by Teachers
- Textbook support to students of all classes.
- 10th standard students divided into small Group and Mentoring by AVMB Teachers.
- Unit test conducted as per GSEB circular for the students
- Offline Examination for class 3rd to 10th
- G Suite & Diksha Training for Teachers
- Opened G-Mail Account of Each Child
- **Tablet support to 10th class students for Online Classes by Employees Volunteering Programme**
- Self Learning Material Distribution to 1st to 9th standard students who don't have access for online education.
- Parents Meeting : Regular basis
- Start Remedial Classes at 3 villages with Following all Gov Covid Guide
- reopens Schools class 9th to 10th Standard
- Day Celebration ( Fit India, Children day and Mathematic day & Republic day ) Virtually and Physically to get rid off from the Covid Stigma



# Community Health (SDG - 3/3.8)

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

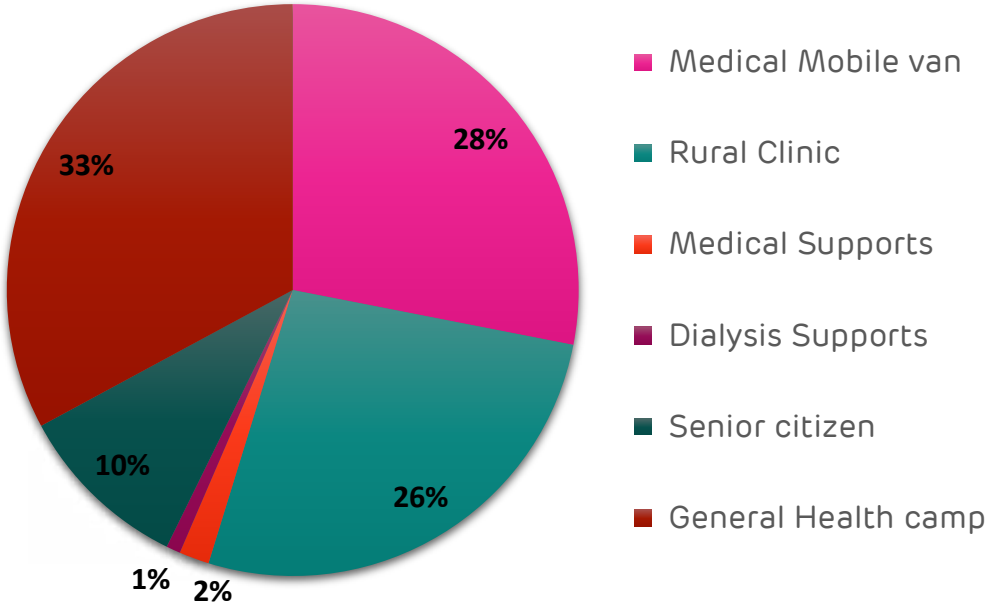


Health plays a crucial role in transforming people's lives. Throughout the year, COVID-19 has taught us the lesson about the importance of health. Access to quality health care gives a fair chance to lead healthy, productive lives. Healthy people can utilize opportunities available to them.

# Community Health

CH All Project Patient Details			
Project	Direct Beneficiary	In-Direct Beneficiary	Remarks
Medical Mobile van	16611	66476	33 Villages
Rural Clinic	15797	63192	11 Villages
Medical Supports	1008	5040	63 Villages
Dialysis Supports	474	2370	63 Villages
Senior citizen	5836	17508	63 Villages
Health camp	19461	58383	11 Villages
Total	59187	212979	

## Direct Beneficiary



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

Adani Foundation relentlessly working for same in each health core area through various kind of health activities i.e. Mobile Health Care Unit, Rural Clinics, Special Innovative Projects i.e. Health Card to Senior Citizens, “Project Abhimanyu” and support to dialysis patients projects. Adani Foundation had also organized special medical camps during Corona pandemic



## 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.

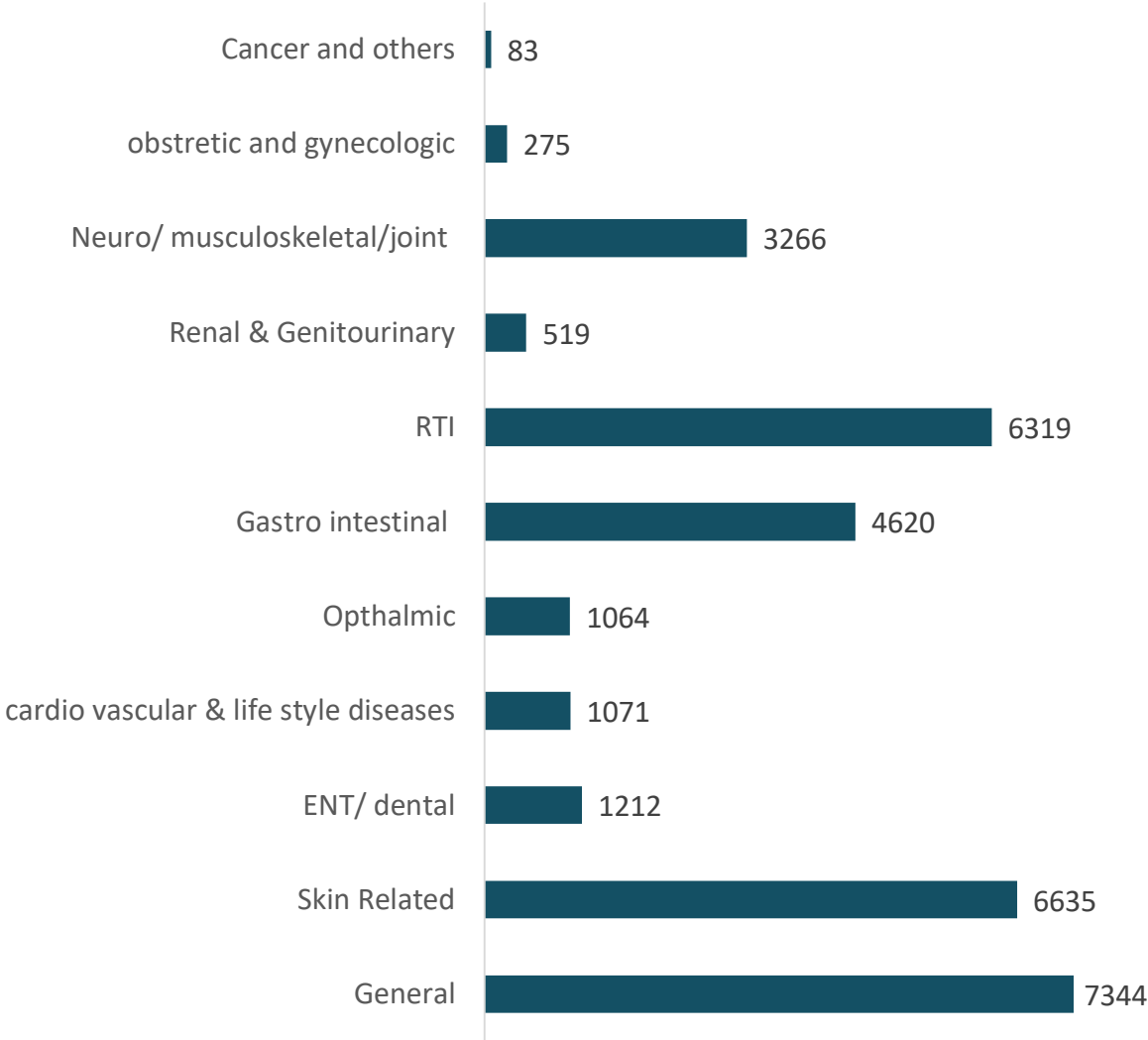
The mobile health care unit covers 25 villages and 07 fishermen settlements. Around 90 types of general life saving medicines are available in these units. This service has become a boon for women, elderly and children as the service is available at their doorstep.

Rural Dispensaries are established where there is a gap in the healthcare services. The Adani Foundation operates Rural Dispensaries in 7 villages of Mundra block, 03 villages of Anjar block and 1 clinic in Mandvi Block. Mobile dispensary and rural clinics provide health services with token charge of 10/- rupees per patient daily by a doctor and a volunteer.

During this year total 16611 beneficiaries 6141 male and 10470 female were benefitted by Mobile van and total 15797 beneficiaries 7128 male and 8669 female were benefitted by Rural clinics.



# Community Health – Disease wise Distribution



# Health Cards to Senior Citizens

Senior citizens often face difficulties in getting treatment for want of financial, social and moral support. In this stage of life is there is need special care for health and warmth hence Adani foundation has started senior citizen project in Mundra Block since 10 years. The main objective is to provide specialized, timely and hassle-free healthcare services according to the needs of senior citizens. The initiative also encourages them to pay attention to their health and promotes preventive healthcare.

During the year 2020-21, total 5836 transactions were done by 8711 card holders of 68 villages of Mundra Taluka. They received cash less medical services under this project. The limit for the beneficiary has been set Rs.8000/- in exit year. the senior citizens get emergency medical care at Adani Hospital, Mundra and refer to GKGH, Hospital ,Bhuj in Emergency.



# Specialty Camps

General health camps, Pediatric Camp, breast and cervical cancer screening camp and surgical health camps was organized at frequently to meet the specific requirements of the community and in disease outbreak season with following the guideline of COVID-19. In the year of 2020 -21 total 97 people had been benefitted by various kind of camp and needy and screened patients are treated in Adani Hospital.



Sr. Citizen status Year-2011 to 2020-21											
Number of Villages	Total Cards	Total Survey	Pending Renew Cards	EXP	Green cards	Blue Cards	BPL Cards	APL Cards	No Ration Cards	RSBY Cards	MA Cards
68	8711	7095	901	715	6328	767	2493	4555	47	77	222



## 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 1008 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, 6 patients were supported for regular dialysis (twice a week) with partial support.

## Ukado & Vitamin-C Tablets Distribution

Covid-19 pandemic is at the peak level And there is no any specific treatment But as preventive measure and immunity booster we had started Ayurveda UKADO distribution at various public spot in Mundra.

The TDO, THO, Flywing foundation, Ayurveda Department had support and coordinate in UKADO and Vitamin-C tablets distribution activities. Total **18240 people had get benefits of UKADO and Vitamin-C tablets.**



## Machhimar Shudhh Jal Yojana (SDG 6/6.4)

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 8 years.

Sr.	Vasahat	Family	Requirement Per day	Remarks
1	Luni	116	15000	9 Months
2	Bavdi Bandar	107	15000	9 Months
3	Kutdi Bandar	118	15000	9 Months
4	Randh Bandar	245	25000	9 Months
5	Zarapra Vasahat	90	5000	12 Months
6	Vira bandar	80	--	Linkages with GWIL
7	Juna bandar	160	--	Linkage with Mundra GP
8	Ghavarvaro Banada	60	--	Linkages with GWIL
9	Zarapra chacha	55	--	Linkages with Port GWIL
	TOTAL	1031		



# Community Health Bhuj (SDG 3/3.8)

- Adani Foundation Team has initiated coordination with GKGH hospital since 2014 and established a reception area for the smooth patient coordination and preparation for the social networking program.
- GKGH Hospital is Covid Care Hospital since 22<sup>nd</sup> March 2020. Adani Foundation staff members supported in patient counselling, coordinating and supporting for dead body covid care van.
- Total 3368 Covid patients got treatment from overall Kutch with satisfaction.
- Dead body medical van – Dignity to death is one of the noble initiatives taken up by the Adani Foundation. If any death occurs in GKGH, dead bodies are shifted to the native village of the concerned in the Kutch District free of cost. Total 809 dead bodies privileged till now to different locations in Kutch including Covid Patients.
- Mahiti Setu is linkages between various Government Schemes and beneficiaries. Through Mahiti Setu sourcing of 2378 beneficiaries and linkages with more than 780 cards of MAA Yojna and Ayushman Yojna





## Community Health - Impact



### IMPACT OF THE PROGRAM

#### Benefits of MHCU and Rural Clinics

- 44 Villages
- 23000 Population Coverage
- Saving of Rs. 150 per day
- Total Revenue saved – Rs. 44.26 Lacs

#### Senior Citizen Health Card

- All Senior Citizens of Mundra – 8711 cards
- Unique Project with focus on preventive care
- Revenue generated @ Rs. 63 Lacs

#### Corona pandemic Times

- More than 12 camps of Ukala Distribution
- Outreach @ 2,50,000 for awareness and immunity boosting methods

#### Potable Water to Fisehrfolk

- Covering 676 Families with 75000 liters per day water for drinking purpose at Vasahat
- 3 Vasahat became self sustain with coordination of Gram Panchayat

#### AHMPL

- Total 20959 patients benefited in year 2020-21 from 55 different villages .
- Goodwill created as a only hospital remained 24x7 opened during whole year of pandemic

# Environmental Sustainability

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

Water conservation Projects i.e. Roof Top Rain Water Harvesting, Desilting of Check dams, Bore Well Recharge and Pond deepening were taken up in past years, review and monitoring of all water harvesting structures had been taken up. Including this a big recharge operation by bunding was taken up for Zarpara village as rainfall was very good current year

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





# Water Conservation Projects (SDG 6/6.6)

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

- A large number of water harvesting structure ( 18 Nos. of check dams in coordination with salinity department)
- Ground recharge activities (pond deepening work for more than 52 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers
- Roof Top Rain Water Harvesting 54 Nos. which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 75 Nos which is best ever option to
- Drip Irrigation 823 Farmers benefitted in coordination with Gujrat Green Revolution Company
- Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar.



# Jiv Srishti Saurakshan Yojana (SDG 15/15.9)

## Bio Diversity Park – Mundra

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

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

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

biodiversity of Kutchh region in second phase.

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

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

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

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









# Jiv Srishti Saurakshan Yojana (SDG 15/15.9)

## Coastal Bio Diversity Park – Luni

In the coastal environment mangroves and mudflats are dynamic ecosystems that usually support a large population of floral and faunal life forms. Mangrove forests are highly productive ecosystems, which provide numerous goods and services both to the marine environment and people. Mangroves in India are spread over nine maritime states and three Union Territories. Gujarat has the longest (1,650 km) coastline among the maritime states of the country. With the second largest mangrove cover in India after West Bengal, Gujarat's mangrove area has increased from 1,140 km<sup>2</sup> in 2017 to 1,177 km<sup>2</sup> now.

A major portion of human population of Gujarat is solely dependent on these coastal ecosystems for their livelihood. Thus, several mangrove restoration programmes/ activities are in progress in the state. Mangrove restoration activities in Gujarat are mostly single species stands of *Avicennia marina*. Adani Foundation at Mundra-Kachchh has initiated multi-species plantation of mangroves in Kachchh in association with GUIDE. During 2018-2019 (Phase-I) multi-species mangrove plantation was carried out in 10 ha, during Phase-II (2019-2020) it was 02 ha and during Phase III (2020-2021) it is 01 ha. Due to geological set up of Kachchh where fresh water source is atypical, the survival and growth of mangrove plantation remains poor. Thus, a survival rate of 30% is expected for this multi-species plantation. Mangrove biodiversity park of its kind will help in disseminating knowledge on mangrove ecosystem and simultaneously conserving the species.

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



## Vision

Enhance the diversity of mangrove and its associated species in suitable coastal region of Kutchh, which in turn increase 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.

## Mission

- Reconnaissance and identification of potential sites for technical suitability for enhancing mangrove biodiversity in Kutchh.
- Examine tidal pattern, availability and duration of fresh water, water regime/inundation, and substratum and water quality, species association at the site (based on secondary literature).
- Development of different plots based on combinations of species and site characteristics.
- Nursery development, transplantation of nursery grown seeds / propagules, monitoring its survival, etc.
- Examine the physico-chemical characteristics of water and sediment in the selected plantation sites.
- To detailed out the diversity, species richness of marine faunal component in the selected plantation sites
- To assess natural (algal encrustation, shift in substrate nature) as well as anthropogenic threats (cattle grazing, lopping) to the plantation site and provide suggestive measures.
- Long term monitoring plan and protection of the developed mangrove patches and coastal biodiversity in the plantation sites.





# Sea Weed Culture

## Primary Information About Sea Weed

Recently, seaweeds have gained substantial traction globally owing to the appreciation of the benefits that they provide in societal, economic and environmental realms. Ever since the economic and ecological benefits of seaweeds recognised, there has been a constant and sustained global effort to further increase their production and utilisation by following innovative practices along the various value chains. Seaweeds are farmed commercially in several Asian countries where their utilisation for food and phycocolloids (agar, carrageenan and alginate) is intense, and their farming has indeed evolved into a social enterprise particularly in some Asian and tropical countries in the world. Seaweed farming has indeed emerged as an economic growth engine in several developing economies in Asia.

Adani Foundation Kutch

## Utilization in India

In India so far, seaweed resources have been utilized exclusively for the production of typical phycocolloids such as agar and alginates by local processing units (about 30 MSMEs) from the wild harvest, particularly from the coast of Tamil Nadu. Despite developing pioneering technologies in both farming and processing for different economically important seaweeds, seaweed cultivation has not gained momentum and widespread in the country as expected but rather continued to confine to limited geographical regions in the state of Tamil Nadu alone. This could be partly due to different inherent challenges associated with open sea cultivation. The seaweed farming in the open sea is

interrupted by monsoon and hampers the year-round production efforts and sustainability. With this backdrop, and further to give traction to the seaweed industry in the country, a unique consortium of industry partners have come together on a common platform with a unified interest to build a technologically competitive and viable platform for the production and processing of the seaweed feedstock for harnessing the associated economic and ecological (climate reversal and prevention of coastal water eutrophication) benefits to the fullest extent possible while providing livelihoods to the coastal communities, in the spirit of creating and sustaining “Blue Economy” as also “Inclusive Economy/Circular Economy”



# Sea Weed Culture

## Vision

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

## Collabration

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

## Achievements

A pilot cultivation facility (5 KL tanks in 6 nos) for the farming of different economically important seaweeds in the

Adani Foundation Kutch

tanks on the onshore has been established and commenced the cultivation trials with red seaweeds *Kappaphycus alvarezii*, *Gracilaria dura* and green seaweed *Ulva*. The initial trials have given very promising results and harvested 6-7 times the seeded material in a 40-45 days cultivation period.

The successful completion of pilot cultivation trials of *Kappaphycus* has helped to move forward to set up raceway type tanks of 26 m Length × 6 m Width × 1.1 m Height in 2 nos for large scale cultivation of *Kappaphycus* in Balavadi campus at Juna Bandar, Mundra. The cultivation trials are in progress.



Growth of Kappaphycus



in various durations

# Sea Weed Culture

## Further plan for Adani Foundation Mundra

The initial seaweed cultivation findings have provided enough evidence for upscaling the facility over a one-hectare area in 2021-22 engaging the local fishers who can earn reasonable monthly income by formation of Group of Fisherman.

Fisherman Group is initially consist of 15 members. Adani Foundation will provide off shore and on shore cultivation of sea weed, its further process i.e. cleaning and drying and expolore market opportunities.

In recent times, two outreach programmes were also conducted for fishers living in the Juna Bandar area to ascertain their interest in adopting seaweed cultivation as an alternate profession to fishing which is fastly dwindling. There is a scope for providing an additional income stream through seaweed farming to fishers if we set up model demonstration farms. These farms can be utilised for showcasing the cultivation technology, training purpose and seed supply for those fishers who likely to become seaweed entrepreneurs.



Raceway tank with Kappaphycus seaweed







## Drip Irrigation Project (SDG 2/2.4)

- **Basis of Requirements of Drip Irrigation**

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

- **Process of Drip Support**

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

Inspection and verification will be by AF representative.

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

Farmer will be informed by telephonic to have form query.

Primary information about farmer land will be received by telephone.

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

Verification report submitted to account office.

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

Farmer economic study after our support. – Follow up

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





# Sustainable Livelihood Development



In the villages at Mundra Taluka, several communities are economically side-lined and weaker that depend on a sole income source or are unemployed. Sustainable livelihood projects have been launched to cater financial independence through building local partnerships, providing diverse livelihood avenues, inculcate the attitude to establish savings, equipping to earn and updating local skills by making use of existing resources to encourage self-reliant lifestyles. Participation Is encouraged by launching specific projects for fishermen communities, farmers and cattle owners, youth and women.

# Work till date for Fisherman Development

**444 Book Support**

**733 Vehicle transportation from Bandar to AVMB**

**86 Cycle Support**

**481 Scholarship Support**

**28015 Potable water provision**

**370 Youth Employment**

**2561 Fishing Net & Equipment Support**

**195 Linkages with Fisheries Scheme**

**3504 Ramaotsav Community Engagement**

**17 Fisherman Sea Weed Culture.**

**46878 Man days Mangroves Plantation**





## Fisher Folk Education (SDG 4/4.2)

Fisher folk are having less illiteracy level so they are not motivating their ward education, Children are engaged in fishing practices since child hood ,which pushed them in terribly poor scenario in every aspect of life. Hence Adani foundation have started education program in dynamic manner to cover each segment of life from the Balwadi to Higher education study through various Intervention.



**Scholarship Support** Scholarship Support is a programme to motivate fishermen students for High school and secondary education . Girl child is supported with 100% scholarship to girls & 80 % support to Male Students. Total 59 students were facilitated with scholarship current year

**Fishermen Balwadi** Education system were ceased in the covid-era. But with telephonic talk and home visit were continue since May 2020 with child & parents to keep them update for education, lesson revision and Covid awareness.

**Vehicle transportation-** Avail easy and safe transportation service for the Fisherfolk child of Various Vasahat to made them Regular and Synchronized with School atmosphere. Total 37 students from 6 to 10 standard are Benefitted.



## Fisher Folk Education (SDG 4/4.2)



### Book Support-

55 Higher secondary (9 to 12 standards) students were benefited with Books material from Juna Bandar, Zarpara, Luni, Navinal , Bhadreshwar Villages.

### Cycle Support

Cycle support to Juna Bandar 9<sup>TH</sup> standard fisherfolk students to continue their study and Up down who are studying in Mundra Government School . This year 5 students were supported for the same

### Ramaotsav

Ramaotsav Program was held at all fishermen vasahat for child motivation and aware parents for their ward education. This year total 442 students(1 to 10th standard ) had participated in various outdoor game. Winner were felicitated with prize and others are appreciated with School bags.





# Machhimar Ajivika Uparjan Yojana (SDG 14/14.B)

Fishermen are too vulnerable and marginalised community. Moreover due to uncertainty of fish catch and Four month Fishing band season they have to face vicious debt cycle. Adani Foundation with Gujrat Fisheries Board are providing Fishing equipment support as per Government Schemes.

Also AF has started various intervention for their alternate Livelihood and Employment.

## Net & Equipment Support

Seven Fishermen are supported for Net and Equipment  
10 Fishermen Linkage with Fisheries Department Scheme and Fishermen credit card for bankable loan

## Mangrove Plantation

It is a win-win situation which provide 4830 Men days employment over 236 fishermen as well as created Environment sustainability as well.

## Soft skilled & Technical training

Survey had been carried out in APSEZ Companies to Know human resource requirement And According that Fisher Youth youth were trained and interviewed for the Placement.

**Total 70 Fishermen youth are selected and working in Various company current year.**





# Natural Farming Promotion

Soil is the key point for successful Agri-farming, it is the Millions of microorganism habitat which keeps an alive media for agricultural purposes, with improving water holding capacity, infiltration rainfall water rate, with improves plants ability to take soil nutrients which reflect on farmers Yield and returns. But the Imprudent & over use of chemical fertilizers & Pesticides deteriorate soil & Plant condition which made the ill effect on consumer health and farmer Livelihood .The permanent and cheapest solution to overcome the dangerous effects of modem agriculture to develop a farming system is to do natural farming which is economically productive and long lasting with various integrated and judicious method and management technique which play important role to maintaining or improving soil , plant health and farmers socio economic status.

## Objectives

- Maximize biological activity in soil and minimize soil erosion.

- Enhance the genetic and biological system and its surroundings.
- Provide livestock with optimal living conditioned for wellbeing and better health.
- Promotion of environmentally friendly use of soil, water and air thus minimizing agricultural pollution.
- To improve the physical and biological properties of soils, self-life and flavor of farm Produce
- To reduce the use of inorganic fertilizers and pesticides.
- To convert Farm waste Biomass into renewable energy & rich Fertilizer. To increase export of farm produce

## Implementation

A village level capacity building programs are organized for the farmers as awareness campaign and farmers are trained to adopt & implement Model farm initiative into their own farm. This Project will be implemented on cluster approach basis mean each cluster will have five to six model which will be used as demonstration and farmer to farmer

training to adopt and replicate in their own farm.







જીવરાજ મેઘરાજ ગઢવી (ભોરા) મો. નં. ૯૯૭૮૪૧૭૮૪૧ સૌજન્ય:- adani સદાશી ડાહિડેશન





## Model Farming : Parameters

Sr. No	Activity Name	Objective
1	Soil Health Analysis	To Provide require Micro nutrient and improvement of soil quality
2	Cow Urine Collection	To prepare Jeeva Mrut, Gau Krupa Amritam Bacteria and Panchgavya
3	Cow base Farming	To use as liquid fertilizer
4	Home Bio Gas	Source of Renewable from Farm waste
5	RRWHS	To use of natural resource (rain water) to made independent Water sustain family.
6	Kitchen Garden	Ensure inexpensive ,regular and handy supply of fresh and healthy vegetables
7	Herbals crop farming	To avail herbal medicines at Home.
8	NB-21	To create individually fodder sustainability.
9	Farm Banding	To reduce soil erosion and retained moisture in the soil.
10	Bore well & well recharge	Enhance the ground water level.
11	Drip Irrigation	To save ground water & reduce salinity ingress.
12	Fruits Crop farming (seasonal)	To Fetch high yield and returns perennial
13	Compost Fertilizer	To act As conditioning soil with increase the Nutrients and water holding capacity.
14	Wormy Compost	Increase porosity and microbial activity in soil to improve water retention and aeration.
15	Training Otlo (Farmer to Farmer )	To deliver TRAINING IN FORMAL & Informal way.
16	Jiva Mrut	As source of Natural Fertilizer and micro nutrients to healthy crop and yield.
17	Vegetable Fertilizer	To create healthy soil condtion.
18	Mulching	To create microclimate around plants root to create healthy environment for plant growth.
19	Chaft Cutter	To made easy for cattle chewable & digestion.
20	Modern Agri Tools	To have great benefit in production
21	Nursary development	To avail local plants & seed.
22	Intern Crop	To produce greater yield in limited resources.
23	Mix Farming	
24	Government Scheme Linkage	
25	Dates Tissue & Offsuit Plantation	To produce uniform date fruits in the siza shape and taste.
26	Linkage with KRPC	To become share holder and hence partners with natural farming promotion

## Promotion of Natural Farming –Home biogas



Home biogas is the Israel based company was founded in 2012 manufactures dynamic biogas unit not only for farm waste but for kitchen waste too. Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 117 home biogas in Dhrub, Zarpara and Navinal Villages.

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

Adani Foundation Kutch

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

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

Earlier we had proceeded for capacity 2 cum but after visit and series of meetings with farmer group – we need to take up plant capacity 6 cum

Till date 117 farmers are utilizing it with satisfaction and considerable outcome by saving Average Rs. 23,400 for gas and fertilizer as well.





# Benefits of Home biogas

Plants without bio slurry:



Difference between plant growth



Plants with bio slurry:



Before home biogas



After home biogas

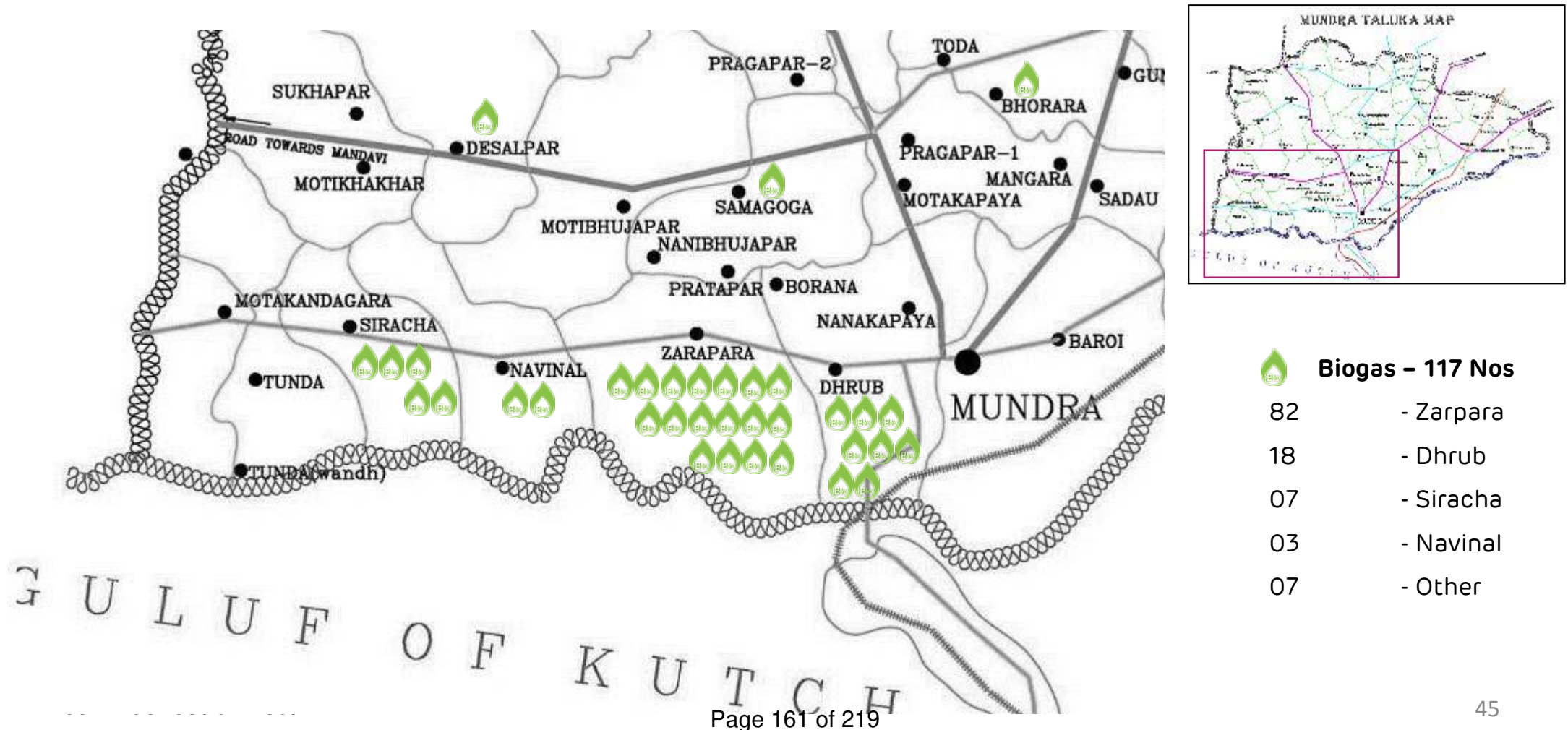




# Usages of biogas in villages of Mundra block

Selection of village by some important parameters i.e. Mobile Van data of lungs related issues, Ambient air quality, cattle population, agriculture land availability, willingness for natural farming

Selection of beneficiary base on willingness of Natural Farming and Number of Cattle. In this Project Primary Stakeholders are also partnering project by financial contribution as well.



# Dragon Fruit Farming (SDG 2/2.4)



Dragon fruit is a tropical fruit that has become increasingly popular in recent years. Though people primarily enjoy it for its unique look and taste, evidence suggests it may provide health benefits as well.

Dragon fruit grows on the *Hylocereus* cactus, also known as the Honolulu queen, whose flowers only open at night. The two most common types have bright red skin with green scales that resemble a dragon — hence the name.

The most widely available variety has white pulp with black seeds, though a less common type with red pulp and black seeds exists as well. In Kutchh Red variety is available due to its weather condition and soil type.

Dragon fruit contains small amounts of several nutrients. It's also a decent source of iron, magnesium, and fiber. Dragon fruit contains several types of antioxidants. These are compounds that protect your cells from unstable molecules called free radicals, which are linked to chronic diseases and aging.

Due to all these benefits and suitable weather condition and soil type, Adani Foundation has provided technical support and awareness training to start the dragon fruit farming. Five dragon fruit farms have been developed with pole and wire fencing support for 2-acre land and 1000 dragon fruit plants each. Adani Foundation had given 40% contribution in this project. Fruiting will start from June 2021.



# Tissue Culture (SDG 2/2.4)

Date palm (*Phoenix dactylifera* L.) is one of the oldest trees known to mankind. It is popularly referred as “Kalpavriksh of Kutchh” as it is an important fruit tree of arid and semi-arid regions of the State owing to its high tolerance to environmental stresses especially abiotic.

The biggest constraint faced for the improvement of date palm following conventional breeding approaches includes its long generation cycles. Nonconventional approaches like Marker Assisted Selection is not possible as there is no true breeding population and very trace molecular work has been carried out till date.

Due to its cross-pollinated nature, date seeds are highly heterogeneous and heterozygous which give rise to 50% unproductive male trees and 50% female trees with poor or varying productivity in terms of both yield and quality.

Date palm cultivation is the only means of livelihood for majority of farmers belonging to Kutchh region of the state. Looking to aforesaid limitations in applying traditional and non-traditional approaches, mass multiplication (Tissue Culture) of superior quality date palm is the need of time to increase the socio-economic status of the farmers and date growers

## Advantage

Tissue culture plants bearing offshoots are true-to-type in nature and hence, in short duration a uniform population could be developed. Availability of planting material of Barahi genotypes round the year.

Selection of offshoots is carried out which are disease free, higher in yield and having good fruiting characteristics, hence export of fresh dates could be carried out by the farmers. Due to Large scale plantation of Barahi trees can be increased.



Dates is the nectar of the kutchh and Our periphery villages are known to produce exportable dates belt as having appropriate weather condition.

To increase the farmer income and over all production individual farmer We have provide “Barahi Varities Tissue plant” which has good strength and productivity.

850 plants have been distributed to 34 farmers. 25 plants / Farmers.

Tissue plant cost is 3000/ per cost with 50% famer Contribution. As per tracking record more than 97% plants are growing very well as per expectation.



# Agri mall by Kutchh Kalptaru FPO

Kutchh Kalptaru producer company is a registered FPO by central registration center has Started Agro cum Women empowerment Mall at Shantivan complex Nana-kapaya Mundra with support of AF to provide platform for farmers and SHG women to fetch the right value of their products.

The Grand Inauguration of Agri Mall was done on 26<sup>th</sup> October in presence of Mr.K.G Chaudhary (Sub District Magistrate Mundra) and Mr. Joshi Director (District Rural Development Authority, Kutchh) and Mr. Rakshit Shah EDM, APSEZ.

Currently more than 170 types of items i.e. Chemical free Grain, pulses, sugar, Jaggery, oil, masala, Vegetables ,dry Snacks made by women group, handicraft items, Mud Utensils, toys, handmade chocolates and many more are placed for sell.

Under the Umbrella of Kutchh Kalptaru farmers producer company more than 200 Farmers and 112 women been engaged. KKPC Agri –cum Women Empowerment mall Approx. Rs.4.07 lacs turn over till end Feb (for 6 months)



 GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS Central Registration Centre
<b>Certificate of Incorporation</b>
[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]
I hereby certify that KUTCH KALPATARU PRODUCER COMPANY LIMITED is incorporated on this Sixteenth day of July Two thousand twenty under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.
The Corporate Identity Number of the company is U01100GJ2020PTC114677.
The Permanent Account Number (PAN) of the company is AAICK1700C *
The Tax Deduction and Collection Account Number (TAN) of the company is RKTK05184E *
Given under my hand at Manesar this Sixteenth day of July Two thousand twenty .
<div>Digital Signature Certificate Mr RAJENDER KUMAR DEPUTY REGISTRAR OF COMPANIES For and on behalf of the Jurisdictional Registrar of Companies Registrar of Companies Central Registration Centre</div>
Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on <a href="http://www.mca.gov.in">www.mca.gov.in</a>



## Animal Husbandry-SLD (SDG 2/2.5)

The less rainfall and high saline ground water kept agriculture practices in threaten situation. Adani foundation have started various intervention for the Holistic development of Agriculture and Animal Husbandry

### Fodder support

In 20 villages of Mundra and Anjar Block. 6.70 lacs kg Dry Fodder and 11.60 lacs kg Green fodder has been supported.

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

**125** farmers are supported with 40KG maize per farmer with Micronutrient for **Individual Fodder Cultivation** during winter Season.



Sr. No	Village Name	No of Farmers	Average Production	Average rate	Average Value
1	Zarpara	64	4562.26	2.5	7,29,961
2	Navinal	23	3973.91	2.5	2,28,499
3	Siracha	35	3910.28	2.5	3,42,149
4	Desalpar	3	3733.33	2.5	27,999

### Fodder Cultivation

Village Gauchar land development for the fodder cultivation to made fodder sustain village & Avail green fodder in scarcity phase.

With the support of Gauchar Seva Samiti Grass land development in Siracha-85 Acre & Zarpara -25 Acre done which resulted in total production 82 ton.

## Animal Husbandry-SLD (SDG 2/2.5)

### Bovine brucellosis

Bovine brucellosis is chronic factious cattle disease that causes abortion, dead & weak birth of calves, and infertility which reduced milk production and ill effect on health as well. Cattle and buffaloes are susceptible and persist for many years. It's a zoonotic disease (that can be transmitted from animals to people)

Brucellosis disease Control and management project has been started in our 11 Villages with **(National Dairy Development Board and KFFFDK(Kutch fodder fruit & forest development trust)** is ongoing with awareness & vaccination to (0 to 3 yrs female cattle).

#### **Total 2132 Cattles have been vaccinated**

Under this project following activities were carried out so far,

- Meeting with Gram Panchyat, Farmers and Livestock Owners
- Development and Distribution of the Awareness Materials among the stakeholders
- Mass Level awareness by pasting the poster and meetings with Village Leaders and Gram Panchyats
- Primary Survey and Sample Collections i.e. Milk Ring Test, Blood Collection and testing
- Brucella Vaccination and Ear Tagging etc.
- Expense per Animal = Rs. 177 / Cattle – including awareness and vaccination



# Women Empowerment (SDG 5/5.4)

Today entire world is nothing against the corona pandemic ...not only India but all the nations world wide are striving hard to fight against this and come out of it at earliest . The situation lies in invisibility and severity of the causative agent . It is generally observed that the newly discover diseases are such which could be avoided by being more cautions.

Adani foundation works hard for upliftment of women, it has noteworthy history of completing and executing projects addressing issues like educations, health and empowerment from grass root level in Kutch district many project are done for females by various organizations but there are certain issue specially pertaining to women 's health which are still remaining unaddressed due to the social stigma and hesitations issues' like usage and importance of sanitary pad during menstrual cycle to protect oneself from fatal disease . This simple precautions can also help a female to fight against cervical cancers like

disease as well. Keeping this thought in 8<sup>th</sup> March 2020 Adani foundation held a seminar on awareness during menstrual cycle -Myth and facts . The seminar witnessed 300-400 Participants including women college going girl ,homemakers etc.. This initiatives helped the females to voice out their quarries and problems and to get a solutions for the unusual problems. District Development officer was the part of the seminar.

District development officer of kutch shri Prabhav Joshi was highly impressed with the task been undertaken for women empowerment and the motivated for production of sanitary pads to the women of adani foundation . This task was very planned and executed by the enthusiastic women group – it was a great journey towards success”

Initially the works seemed toughed as the outcome /day was 150-200 pads with minimum profits . Bit real salute this women that they did not lose hope and tirelessly kept working for this

mission . It is rightly said “practice make a men perfect and the graph of producing the pads per day rose from 300 to 350 and further elevated to 400 to 500 by proper distribution of work with strict target . Simultaneously the order started pouring in from District were satisfactorily completed . Today each woman is earning average 2900 Rupees /Month ,expansion of this task is being planned by Marketing it to every small and making it a sustainable model which may be a benchmark in itself.

The spirit hard work and motivations of these women have given a way to increase in demand from district development office ,PHC,CHC office Aganvadi and even out of state orders will be very soon catered to.

This is an example showcasing how women empowering can bring about development of as small scale task to a full- fledged Endeavour.



## Women Empowerment (SDG 5/5.4)

Empowered women and girls contribute to the health and productivity of their families, communities, and countries, creating a ripple effect that benefits everyone.

An initiative under the Sustainable Livelihoods Development Program to encourage women, sense of self-worth, decision-making power, access to opportunities and resources, power and control over her own life ability to be effect change.

11 SGH Group have been engaged with 127 Women



**Saheli Swa Sahay Juth** are trained for Sanitary pad preparation anmd and supported with semi Automatic sanitary pad making unit. In the year of 20-21 total turn over was Rs.3.12 Lacs



## Self Help Groups

**Adhar Saheli Swa Sahay Juth** is engaged making dry nasta preparation got Fssai Certificate in current March which will help to market the products

**Sonal Saheli Swa Sahay Juth** is engaged in Phynale & Washing powder making its Current year turn over was Rs.4.50 Lacs

**Tejasvi Saheli Swa Sahay Juth-** is expert in Stitching practices & made approx. Ninty thousand Three layer mask which had generate Rs.9.45 lacs revenue over 10 Women.



Sr. No.	Name of Group	Village	Skilled	Member	Total saving (In Rs)
1	Sonal Saheli Swa Sahay Juth	Shekhadiya	Phynale & Washing Powder	11	1,32,500
2	Jay Adhar Saheli Swa Sahay Juth	Baroi	Dry Snake	10	84,000
3	Tejasvi Saheli Swa Sahay Juth	Mundra	Stiching,Uniform,Bag	14	84,000
4	Umang Saheli Swa Sahay Juth	Mundra	Soft toyes, Jula,	11	84,000
5	Vishvas Saheli Swa Sahay Juth	Navinal	Tie & Die, Stiching	11	84,000
6	Jay Momay Saheli Swa Sahay Juth	Kandagara	Tie & Die, Stiching	10	84,000
7	Meghadhanush Saheli Swa Sahay Juth	Mudara	Mud Works,	10	84,000
8	Saheli Swa Sahay Juth	Mundara	Sanitary Ped	11	84,000
9	Radhe Saheli Swa Sahay Juth	Zarapara	Dhadaki, Small Godadi	14	84,000
10	Shrddha Saheli Swa Sahay Juth	Mota Kapaya	Snacks,Thepala,Vada Pav	15	84,000
11	Mogal Saheli Swa Sahay Juth	Shekhadiya	Roti,Ladu ( Churama )	10	84,000
Total				127	9,72,500

# Community Infrastructure Development (SDG 9,6)

Community infrastructure development includes both public and privately provided facilities and services required to accommodate and support community services, programs, activities, which is significant to improve their quality of life & Productivity. Adani foundation designed and build various structure and provide service in the Health ,Education, agriculture and sustainable livelihood area.





## Community Infrastructure Development (SDG 9,6)

To store rainfall water and increase water level, Pond Bund strengthening work had been carried out at Zarpara Village apart from this various activity like approach Road Restoration at All Fisherfolk Vasahat, Bus Stand with wall Construction, Open Shed Sukhpurvah Mundra, Shelter at Randh Bandar , Garden Development Primary School Rampar village has been done in this year.





# SuPoshan (SDG 3/3.8)

The objective of the Project is to reduce occurrence of malnutrition and anemia. create awareness about malnutrition and anemia and related factors amongst all stakeholders and role they may play in curbing the issue.

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

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As per Global Nutrition Report, Children below five years- 23 % Stunted and 8 % are wasted. 69.5 % children 6-59 months old, 55.8% adolescent girls aged 15-18 years, 55.3% women aged 15-49 years have Anaemia. Moreover anaemia prevalence in pregnant women is as high as 58.7 %) Curbing Malnutrition was part of Millennium Development Goals and again focussed through second and third Sustainable Development Goals on Zero hunger and Good Health & Wellbeing respectively.



During the year various activity like, Covid-19 awareness in village & Slum Area, Menstrual Hygiene Day, Breastfeeding Week, National Deworming Day, National Nutrition Month had been celebrated.

With slogan of "RED-ACHHA HAI" - 100 beneficiaries in Menstrual Hygiene Day, 204 beneficiaries in Breastfeeding Week, 320 beneficiaries in National Deworming Day, 20 villages covered in celebration of NATIONAL NUTRITION MONTH and 42 Family counselling had been done.



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

## THANKS GIVING PROGRAMME” MUNDRA & BITTA Site

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



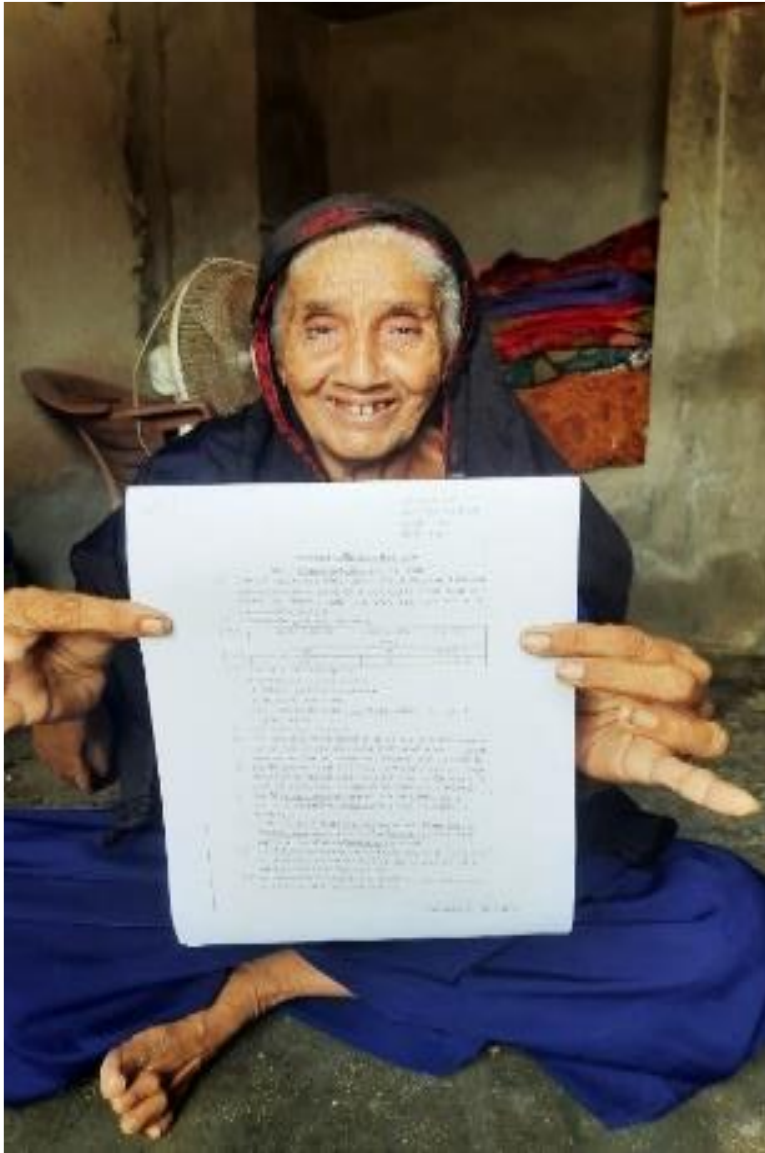
# Community Resource Center (SDG 3)

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.

- ✓ Listed out the Widow ,Senior Citizens ,Handicapped & Orphan Child from seven Utthan villages and linkages accordingly with the Social Defense Department Scheme,. 276 people are Facilitated in coordination with Bhuj Samaj Suraksha Khata.
- ✓ With a slogan "Beti Bachavo – Beti Padhavo" to ensure better future for Girl child education by Linking 1001 Girl child with Government "Sukanya Samrudhhi Yojna" & Vahali Dikri Yojna.
- ✓ 48 SC Farmers were Linked Kitchen Garden Scheme.
- ✓ To avail Fishermen Government scheme (Fishermen Credit card) one day program was arranged with social distancing and all precaution.
- ✓ 30 KCC form fill-up at Navinal. Created awareness with Telephonic about same



## Project Swavlamban



Project Swavlamban Launched for linkages of differently abled people of Kutchh District to Social Welfare Department. Foundation is playing supporting role to increase awareness and tie up with Government schemes for Divyang people, widows and senior citizens and coordinate them with Social Welfare Department.

The identity cards - UDID are issued for the handicapped in coordination with Bhuj Samaj Suraksha Khata which is beneficial for them to get specific kit for their disability type.

After getting income generation equipment support - Proper training provision is given to make them self-reliant in true sense!!

**Till date Total 1057 beneficiaries have been linked up with various government schemes and 519 beneficiaries have been supported through various schemes of income generation.**

# Project Swavlamban

**Total 1576 beneficiaries have been benefited and get support of Rs.24,12,550/- through Government and Adani Foundation.**

No	Government Schemes	Beneficiaries	Per / Month	Total Amount	Government Scheme	Beneficiaries	Amount	Total Amount	Details	Divyang AF Support Beneficiaries	Amount	Total Amount
1	Widow women	237	1250	296250	Artificially foots	14	15000	210000	Cabin	6	15000	90000
2	Senior citizen	94	750	70500	Artificially Hand	1	5000	5000	Fridge	1	18000	18000
3	Sankat Mochan (One Time)	2	40000	40000	Blind satick	7	200	1400	Fruit Shop	2	8000	16000
4	Widows Ration card Renewal	13	0	0	Bycycle	9	4500	40500	Grocery Shop Item	5	5000	25000
5	Diviyang Pension Scheme	5	1000	5000	Crutches	4	200	800	Hand Cart	3	9000	27000
7	Palak Mata Pita Pension	9	3000	27000	Hand cart	4	5000	20000	Harmonium	1	10000	10000
					Hearing Aid	13	3000	39000	Rikshaw	1	80000	80000
					M.R kit	20	500	10000	Sewing Machine	27	5500	148500
					music	1	500	500	Tricycle	44	6800	299200
					RTE Admission	1		0	Wheelchair	60	4000	240000
					Sewing Machine	30	5000	150000	Lims	9	14000	126000
					Tricycle	43	6500	279500				
					Walker	3	1000	3000				
					walking satick	12	200	2400				
					Wheelchair	33	4000	132000				
					Bus pass	427		0				
					Rasion card renew	13		0				
					Medical certi	422		0				
					Total	1057		894100				
	Total	360	-	438750					Total	159		1079700



# Adani Skill Development Centre



India has highest population of the youth yet there has always been a major issue of increasing unemployment on one side and non-availability of skilled professionals for industries.

Adani Group has initiated Adani Skill Development Center model with broad and long term vision to enhance employability of youth and getting right people at the right place of skilled requirement.

Adani Skill Development Centre (ASDC) is playing a pivotal role in implementing sustainable development in the state. ASDC is envisioned to be playing a major role in elevating the socio-economic status of the people belonging to the lowest strata of the society by empowering them with various skill development training for employability and livelihood.

Over the last few years, ASDC 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.

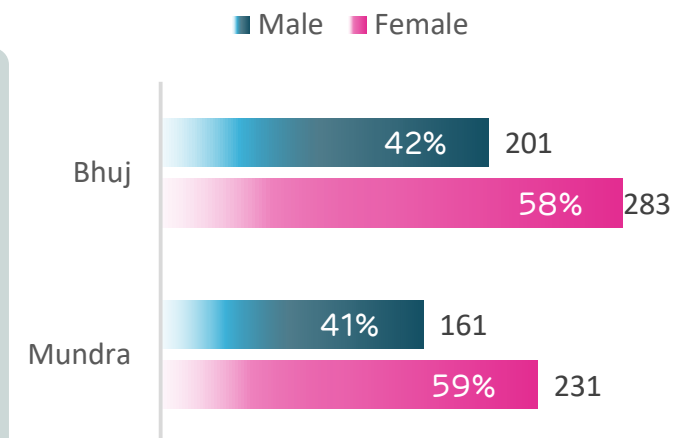
Several miscellaneous industries exist in Kutch district. Adani Skill Development Centre has started a center in Mundra and Bhuj block so that the needs of these industries are fulfilled.

## Admission for the F.Y. of 2020-21

### Bhuj

Free Training Model  
Paid Training Model  
Kachchh University

General Duty Assistant	Basic Functional English	Digital Literacy	Entrepreneurship Skills	Financial Literacy	Mud Work	GST with Tally
0	185	25	0	0	0	40
140	3	47	1	2	4	18
0	0	2	0	5	0	12



### Mundra

Free Training Model  
Paid Training Model

Basic Functional English	Basic Home Health Care	Beauty Therapist	Business Training (MS-Office)	Digital Literacy	Financial Literacy	General Duty Assistant	Marketing Skill	Mud Work	Non Domain Skills	GST with Tally	Training Skill
43	12	00	66	57	07	04	11	00	03	00	15
07	00	56	00	20	00	13	00	73	00	05	00

## Placement Details

ASDC imparted various soft skilled and technical training to make Atma Nirbhar India.

Total 47 youth have been placed in various company and 37 youth are been self employed.

### Bhuj

Trade	Total Trained
General Duty Assistant	51
Basic Functional English	79
Digital Literacy	61
Entrepreneurship Skills	1
Financial Literacy	2
Mud Work	4
GST with Tally	16
<b>Total</b>	<b>214</b>

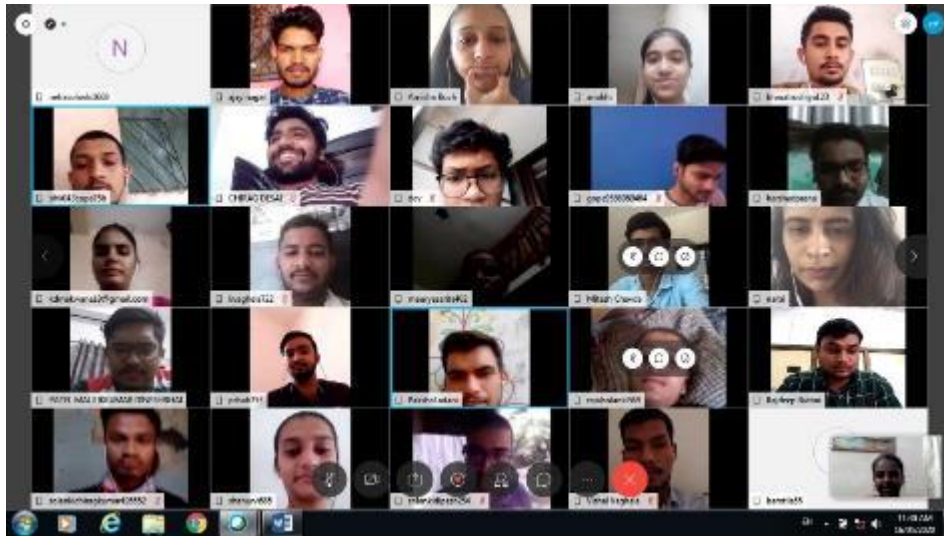
### Mundra

Trade	Total Trained
Basic Functional English	50
Basic Home Health Care	12
Beauty Therapist	52
Business Training (MS-Office)	66
Digital Literacy	77
Financial Literacy	7
General Duty Assistant	13
GST with TALLY	9
Marketing Skill	11
Mud Work	73
Non Domain Skills	3
Pedicurist and Manicurist	4
Training Skill	15
<b>TOTAL</b>	<b>392</b>





## E-Learning Training at Bhuj



In this type of pandemic we have started virtually training on various trades like General Duty Assistant, Digital Literacy, GST with Tally, Basic Functional English etc. On Saksham Day we started E-learning training of Digital Literacy & Basic Functional English on free bases.

Till date we admitted 221 candidates in domain courses and 263 candidates in non-domain courses.

Now we started offline training with following all Covid-19 related guidelines.



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



Meeting at Palara Jail and after that meeting we did skill survey of around 150 prisoners.

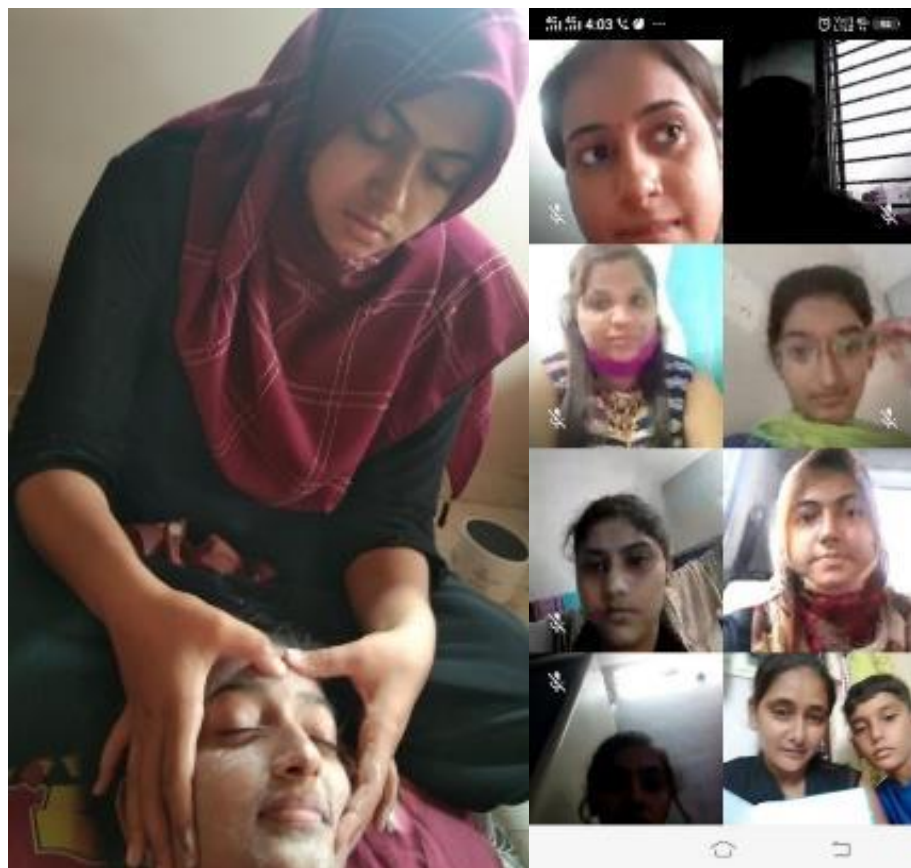


MoU signing ceremony was arranged by **Krantiguru Shyamji Krishna Verma Kachchh University** on 11<sup>th</sup> January, 2021. In this project we will provide training in 4 courses (General Duty Assistant, Digital Literacy, GST with Tally & Financial Literacy).

MoU signing ceremony was arranged by **The Takshshila Educational & Charitable Trust - Bhuj** on 06<sup>th</sup> March, 2021. In this project we will provide training in 7 courses (Entrepreneurship skills, Non Domain employability skills, Diet & Nutrition, First aid, Digital Literacy, GST with Tally & Financial Literacy).



Arranged interview of DDU-GKY GDA students at Sterling Hospital – Gandhidham, GAIMS (Sodexo), Chanakya College, Accord Hospital, Fire Academy. 39 students get placement in GAIMS (sodexo), Alilance Hospital, Shreeji Hospital, Bhuj Fire Academy, Divine Hospital etc. 3 students are working in COVID-19 Hospital



online beauty therapist course has been conducted by  
ASDC Mundra



Online mudwork training has been organized by ASDC Mundra,  
after training 28 students became self employed.



## Soft skill training for Fishermen youth & Industrial Employer meet



Organized industrial employer meet at Adani House with support by Adani foundation team. And conformed Vacancy details in respective Company. After that ASDC munda team and Adani foundation jointly given 3 days soft skill training for Fisherman youth. The main objective of this training are to provide alternate livelihood to Fisherman community group specially those youth who are 10th -12th, ITI, diploma and graduates.

# CSR Nakhatrana



Adani Green Energy(MP) (AGEMPL) set –up approx. 1250 windmill from Dayapar to Nakhtrana in Kutch (Gujarat). And as the part of our corporate social responsibility adani foundation have started various intervention for the holistic development of community since 2019 in the Ratalita , Amara, Deshalpar ,Jinjay, Dhamay & Ugedi Villages with Community Involvement by means Participatory Rural appraisal (PRA), and VDC (Unnati manch) formation to identified real need and extended our arm to render Education , Health , Livelihood and community infrastructure facilities.



**Water through construction** with 10 KL capacity in the barred land to avail drinking water for domestic cattle and wild animal at Ugedi & Deshkapar Villages.

**Urinary Block Construction** in the Ugedi village to keep Swachh Villages swachh and to provide privacy for women

**Swachh Village** Cleanliness is the beauty of village and to inculcate the habit to keep villages swachh and clean. 100 Dustbin were provided to 8 Villages of Nakhtrana which are been kept at Public places and maintain and monitoring by GP

**Sitting arrangement** with Benches and tree plantation around the cricket ground of Kotda madh villag with tree Guard.

**Uakdo distribution** it is been said that Prevention is the better than care hence to mitigate the ill effect of covid-19 we organized Ayurvedic Kwadh & Immunity booster medicines distribution camp in the Nakhtrana city. And aware to take precautionary care.

Adani Foundation Kutch

Total 500 people were benifitted with the same.

#### Event

- **World Environment Day Celebration** on 5<sup>th</sup> June and **Van Mahotsav week celebration** in Ugedi village with awareness and tree planation Program.
- **Women day celebration** on 8th march with Collaboration of ICDS Department in the Ugedi Village . On this occasion Elocution competition were held on the topic of women empowerment and women right among primary students and winner were felicitated with memento prize. More than 60 Women were remain present and motivated and Encouraged .
- **Tree Plantation** have been done in the Ratadiya and Deshalpar villages with tree guard with sensitization about the important of trees and responsibility for watering and caring of trees.

**Lakhpat** : Tree plantation with awareness at Kapurashi & Koriyani village of Lakhpat Taluka. Adani Foundation had also provided 150 cages.



# CSR Nakhatrana

## Setu

we are acting as the bridge between Beneficiaries and Government to facilitate government welfare scheme. due to this effort 82 widow women are getting widow pension of rs.1250 per month which is worth for them.

## Swavlamban

Adani foundation provide tool & Kits support to Physically disable person the main objective of the program is to made them self sustain and "Atma Nirbhar" We are supporting various Tool & Kits to various Villages

Swavlamban Support To Disable Person								
Sr. No	Village Name	Sewing Machine	Cabin Shop	Flour Mill	Wheel chair	Trycycle	Hand Cart	Total
1	Dahmay	1						1
2	Aamara	4		1			1	6
3	Jinjay	2		1	1			4
4	Deshalpar	1	1					2
5	Ugedi	1	3		1	1	1	7
6	Ratadiya		3					3
Total		9	7	2	2	1	2	23

Sr. No	Scheme	Beneficiaries
1	Widow Pension	82
2	Bus pass	5
3	Wheel Cahir	2
4	Panchar Kit	1
Total		91





## CSR Nakhtrana

Semi arid climate with very scanty rain fall does not support extensive and water intensive agriculture in the nakhtrana region

more ever Farmer are not aware about modern agri technology adani foundation have started some intervention for the integrated agriculture development .

### Kitchen Garden Kit

To promote the horticulture farming practices farmers are provided with Kitchen garden kit with twelve type if Vegetables , fertilizers and plastic carret.

**Promote for Vegetable farming** with structure support i.E Bamboo ,wire and cement Pole support to set up structure for vegetable support and grow.

Sr.	Village Name	Kitchen Garden Farmers	Vela Vala Farming
1	Ugedi	8	3
2	Ratadiya	8	
3	Aamara	7	
4	Deshalpar	10	2
5	Jinjay	7	
Total		40	5

### Organic Farming training

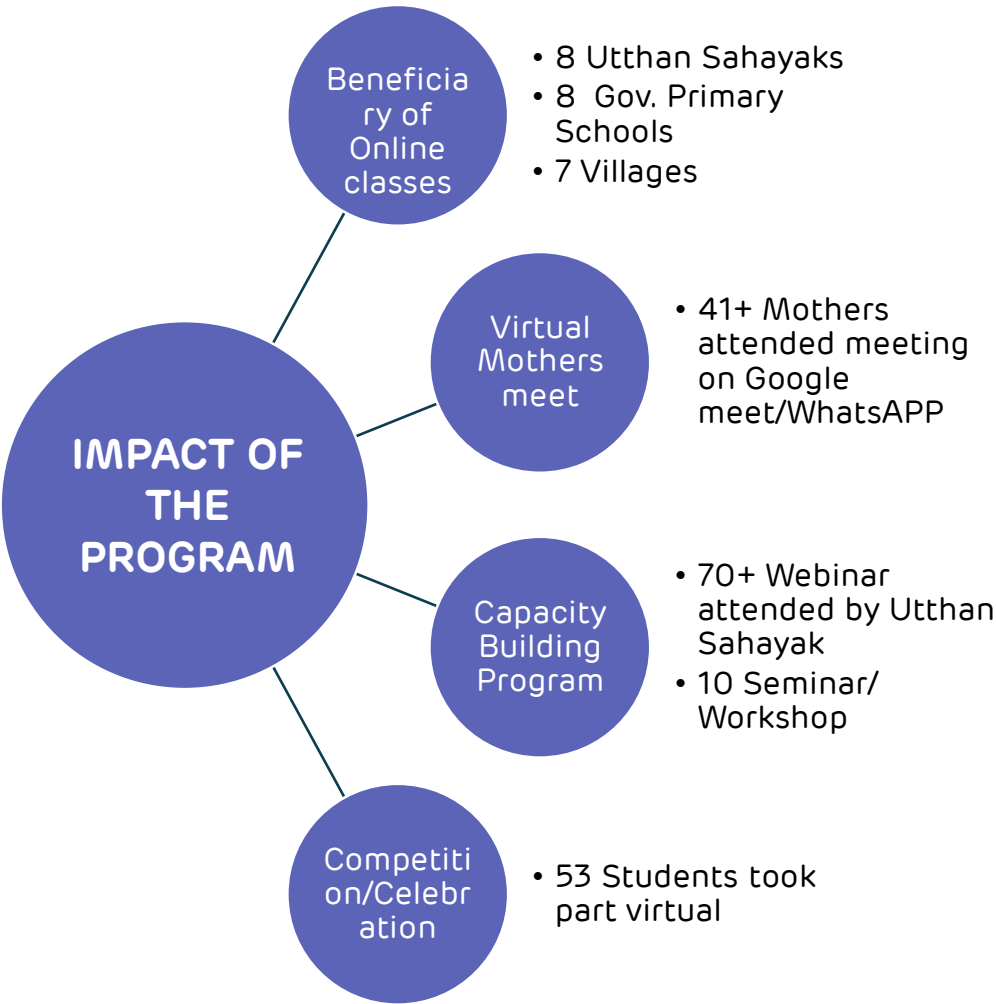
To aware about the ill Effect of pesticides and chemical fertilizer in farming and promote toward organic farming training was organized at Deshalpar with hand on training for Jivamrut preparation.Total 38 Farmers were participated

**Modified Dev-6 wheat seed Distribution** to two farmer of Deshalpar and Ugedi Village as demonstration which resulted that it produce High yield with less irrigation comparatively.



# Utthan Nakhtrana

Large-scale efforts have been made by the government and non-government sectors, especially in rural government primary schools, but coverage and quality of education are still not satisfactory. Adani Foundation leveraging their experience, to intervene in Government Schools. These interventions will aim to enhance the quality of primary education in Government schools. Under Project UTTHAN 8 primary government schools of Nakhtrana Taluka of Kutch district have been adopted to take up various initiatives aimed to improving quality of education these schools. Total 234 priya vidyarthi are benefiting from a meaningful education in these schools. .



Year	No's of School	No's of village	No's of Girl	No's of Boys	Total
2019-20	8	7	560	590	1150
2020-21	8	7	593	570	1163







## CSR Nakhtrana

Environment and bio diversity conservation is always been the prime responsibility of Adani Foundation. With this objective we started such work in Ugedi village near Nakhtrana to develop Ecological green belt to attract major faunal group such as amphibians, reptiles, birds, butterflies and mammals and restoration of native vegetation to improve overall ecological food web of landscape.

This work has been entrusted to Sahajivan, an expert organization for the protection and conservation of biodiversity as part of which following work have been carried out.

- BMC –Bio diversity conservation committee has been formed in Ugedi Village.
- Habitation Improvement by removed "***PROSOPIS JULIFLORA***"- **Ganda Bavar** from 8-10 hectare and native tree seed has been sprinkled As well as in the garden of Ugedi village and in the place of Angalwadi, trees have been planted. Also, in the seam land seam area of Ugedi village, more than 300 native trees have been planted like Desi baval (*Acacia nilotica*), Mithi Jar (*Salvadora oleoides*), Liyar (*Cordia sp.*) and Gugal (*Commiphora wightii*) Pilu, Khejari, have been planted.
- Improvement of Catchment : approx. 750 cubic meter excavation and embankment in sloping ground to increase catchment area of open pond to support existing Vegetation and other Biodiversity
- Three species **1. Bird - Peacock 2. reptile-Spiny tailed lizard 3. mammal- Chinkara** are selected for Conservation
- Started awareness program with pamphlet, Leaflet and IEC Material distribution in the Villages and School to sensitize about their importance to maintain ecosystem and Bio diversity.







ગુજરાતી નામ : મોર

અંગ્રેજી નામ : Peacock

વૈજ્ઞાનિક નામ : *Pavo cristatus*

**સાતો મોરને જાણીએ અને તેને બચાવવામાં યોગદાન આપીએ...**

- આપણું રાષ્ટ્રીય પક્ષી મોર શ્રાવ્યકુશ પક્ષી છે તેથી તે કમળમાં હોવાનું પસંદ કરે છે.
- સામાન્ય રીતે તે જંગલમાં રહે છે. તેને ઘૂસા હવામાં, ખાનભર, લેજ વાળા, તથા સૂકા જંગલો પસંદ છે. તે બોરાડની શોધમાં અવારનવાર ગામ, ખેતર-વાડી વિસ્તરવા કરે છે.
- શિકારી, પ્રાણીઓથી બચવા તરીકે દરમ્યાન તે મોટા વૃક્ષો જેવા ઊંચા રહેવાનું પસંદ કરે છે.
- તેને ખોરાકમાં વિવિધતા પસંદ છે.વામી તે જીવજંતુઓ, ફૂલો, ફૂલો, ગામડાના દાણા, ફૂલો, ફળો, જાળા સમતલપ્રાણીઓ અને સરિસૃપો વગેરેને ખોરાક તરીકે લેવાય છે.
- હિંદુ ધર્મમાં તેની કલિકાતનું ગાન, બૌદ્ધ ધર્મમાં ચતુરાર્જુન પ્રતિક તથા હરિયાળ ધર્મમાં પદ્મ તેનું પ્રતિક ગણવામાં આવે છે.
- દેવ જાતીના પદ ઊંચા મૂકે છે અને તેની કદને ઊંડાના પાન અને ડાહ્યાઓ, બી વાડ બનાવે છે. ઉનાચણા દેવ કાંઈ ઊંચા મૂકે છે, અને મેઘ મહિન, સુપ્રીમાં એ ઊંચા મૂકે છે. બચ્ચાં ઊંચા માંથી બહાર નિકળીને તરતજ તેની માતાનું અનુકરણ કરવા સમર્થ હોય છે. જન્મ પાછા લોકો મહેલમાંથી મુક્ત થતા તે બચ્ચાંઓનું અનુકરણ કરે તે બચ્ચાંઓના તરફ દોરે છે.

**તેને શાનો ભય છે?**

- મોરનો પીંછા, ખોરાક તથા દવાઓ બનાવવા માટે શિકાર થાય છે.
- પાકને બચાવવા ખેતરોમાં હેરી દવાઓના છંદકાવથી તેનું મૃત્યુનું પ્રમાણ વધે છે.
- જંગલોના વનમાં ગાંડાના કાચે પેરાના કુદરતી બિવાસસ્થાનોમાં ગાંડા શવાથી તે માનવ મનમાંથી નિકળેલા રહે છે તેથી જંગલોમાંથી પડી શિકાર પામે છે.
- જંગલોમાં નિર્જાળના તાર પર મેળવાતી વિદ્યુતના ચોક લગવાના, પરિણામે અને પવનવર્ધનને કારણે પાક નુકસાન લીધાય છે.

**સંરક્ષણ માટે શું કરી શકાય?**

- તેના કુદરતી બિવાસસ્થાનો જેમકે જંગલોનો નાશ, ખોટા વૃક્ષોની નાશ થતી અવસ્થાઓ.
- ખેતરોમાં હેરી દવાઓની છંદકાવ કરવાનું કાપીએ અને કરીએ દેહી જીવત ખેતી અપનાવીએ.
- આપણા રાષ્ટ્રીય પક્ષીને જો વેરફારોએ રીતે શિકાર કરી શકાય તે તજજ્ઞના વન વિભાગને કે આપણા ગામની બી.એમ.સી.જી.કે. સિવિલના તથા વનવિભાગ સમિતિ ને જાણ કરીએ.

અમારીકરણ

કોઈ સેવિક વિનિયમો અપનાવવા સમિતિ

ગ્રામ પંચાયત, કોઈ, તા. નવનગર-જમલ

આદાની સહયોગ

adani

આદાની સહયોગ



ગુજરાતી નામ : સંકો

અંગ્રેજી નામ : Spiny-tailed Lizard

વૈજ્ઞાનિક નામ : *Sceloporus hispidus*

**પર્યાન**

સાડી સામાન્ય રીતે રૂષ તેમજ અંગ્રીશક પ્રદેશમાં જોવા મળે છે. દુનિયામાં તે ભારત, પાકિસ્તાન તેમજ અફઘાનિસ્તાન, ખીરા મળે છે અને ભારતમાં તે ગુજરાત, ગજરાત, બેનર પ્રદેશ તેમજ મહેસાણાના વિસ્તારમાં જોવા મળે છે. જોવા મળે છે. સાડી જાનવરે તથા પૂર જઈ પકિસ્તાનમાં જોવા મળે છે. પોતાનું દર રૂષાવાળા વિસ્તારમાં બસવાનું પસંદ કરે છે. તથા મોડાની શોધ માટે માલ ખેતરના દરથી તથા કુદરતી જાતી વિશાળ રૂષાવાળા પોતાનું દર બેનરો બેનર કરી, રીત કમ, પિમાં ઘણી જાય છે અને ઘણીમાં સંગ્રહ કરવા ખોરાકની માદાની જનીનમાં રહે છે.

**ગેટ માન્યતા અને અંદાશદાદા (જેને દૂર બની જાય છે...)**

- આ તથા સાંધાના દુખવામાં સાડાનું તેલ લગાવવાની દુખાયે મળે છે. તેજ તેલની ગોઠવણ વધે છે.
- સાંકો જોઈને બચાવવાથી તેની કલિકા વધે છે.
- અમાલ જુવાનો ભલે સોઈ કલિકા સિધ્ધિમાં કલિકા કરવો.

**ભય**

- આપણા કાસા ખેતી તથા અન્ય વ્યવસાય માટે દબાવે છે તેથી કુદરતી બિવાસસ્થાન પર મૃત્યુ નુકસાન.
- ખોરાક તથા અંદાશદાદા માટે ગેટકાનું રીતે જાતે શિકાર.
- ગાંડોના જામીનોમાં જતું બાવલર.
- ખાણીના આયન-અયન અને રોજાઓમાં કાલે કેરકર.

**સંરક્ષણ માટે આટલું કરીએ**

- સાંકો અસ્તિત્વ આપણા પર્થીવરક માટે ખૂબ જરૂરી છે તેથી દેશ તથા વિશ્વ સ્તરે તેના સંરક્ષણ માટે કચડા પ્રવૃત્તિમાં અસ્તિત્વ છે. ભારતમાં સાંકોને વનજીવ સંરક્ષણ કલિનિયમ-૧૯૭૨ અંતર્ગત અનુસૂચિ-૨ માં સ્થાન આપી સંરક્ષિત કરાયે છે.
- સાંકોની શિકાર કરવો, વેપાર કરવો, ગાંડોની, પેરાકાન કરવો કે કોઈપણ રીતે તેના કુદરતી બિવાસસ્થાનને નુકસાન કરવું એ એક ગંભીર પકારની કામી બને છે. આનું કારણ અસ્તિત્વ અપનાવવા સમુદાયને ને સજા થઈ શકે છે.
- તમારી અવગણના મા વિસ્તારમાં આવી પ્રવૃત્તિ સતી હોવાને નુકસાન અનિવાર્ય પોલીસ સ્ટેશન, સામાજિક વન વ્યવસ્થાપન સમિતિ (ICFMC) અથવા સંસ્થાને સંપર્ક કરવો.

અમારીકરણ

કોઈ સેવિક વિનિયમો અપનાવવા સમિતિ

ગ્રામ પંચાયત, કોઈ, તા. નવનગર-જમલ

આદાની સહયોગ

adani

આદાની સહયોગ



ગુજરાતી નામ : હરણ

અંગ્રેજી નામ : Chinkara

વૈજ્ઞાનિક નામ : *Gazella bennettii*

**પર્યાન**

શિકાર સામાન્ય રીતે પશ્ચિમ મેદાન, રણ, તથા શુષ્ક અને આંશિક શુષ્ક વિસ્તારમાં જોવા મળે છે. ભારતમાં તે ૧૬ રાજ્યોમાં મોખાયેલ છે. ગુજરાત તથા મહારાષ્ટ્રમાં તેમાં માટે સ્થિત વિસ્તાર જાહેર કરવામાં આવેલ છે. જોવા મળવામાં આવેલ નાકચણાતેવર તથાવણ પદવારણ એ વિશ્વ માટે સ્થિત વિસ્તાર જાહેર કરવામાં આવેલ છે. શિકાર, ગંદાણા જેવાં યાત્રી દેખીબાળા, પીંડુ, ગોરક, પીંજરી જેવા વનજીવિ અપાકીત વિસ્તારમાં વધારે રહેવાનું પસંદ કરે છે.

**ભય**

- તેના પક્ષીસરતન મા ભય અનુભવવા પોતાની પૂંછડી કાઢે છે અને આગળના બે પગ જમીન પર પાડે છે.
- પોતાના બાક વધે મુખ જોરથી હલવા વધાર કાઢી કાઢી જેવો અવાજ કરતું હોવાથી તેનું નામ શંકાર/ચંકાર પડતું છે.
- કુદરતી બિવાસસ્થાન પર ઘણું નુકસાન, તેજ નુની રીતે થતી શિકાર,કલનિક આડી તુહીનું હેનું નિકેલ અને આકાશ ચતુરજીવિને નુકસાન તેના કાવળા કારણે છે.
- સ્થાનિક લોકો આ પ્રાણીના મદવા અને કુદરતના યાત્રીઓ જુવા પાણીની જાગીતો અકાળ પડા ભરતું કારણ છે.

**સંરક્ષણ માટે આટલું કરીએ**

- ચિકારાનું અસ્તિત્વ આપણા પર્થીવરક માટે તથા કુદરતી આશર મુખ્યત્વે વિશ્વ માટે ખૂબ જરૂરી છે, તેથી દેશ તથા વિશ્વ સ્તરે તેના સંરક્ષણ માટે કચડા પ્રવૃત્તિમાં અસ્તિત્વ છે. ભારતમાં ચિકારાને વનજીવ સંરક્ષણ અપ્રિયમ-૧૯૭૨ અંતર્ગત અનુસૂચિ-૧ માં સ્થાન આપી સંરક્ષિત કરાયે છે.
- ભારતમાં ચિકારાને વનજીવ સંરક્ષણ અપ્રિયમ-૧૯૭૨ અંતર્ગત અનુસૂચિ-૧ માં સ્થાન આપી સંરક્ષિત કરાયે છે.
- ચિકારા નો શિકાર કરવો, તેને પેરાકાન કરવો કે કોઈપણ રીતે તેના કુદરતી બિવાસસ્થાનને નુકસાન કરવું એ એક ગંભીર પકારની કામી બને છે. આનું કારણ અસ્તિત્વ અપનાવવા સમુદાયને ને સજા થઈ શકે છે.
- તમારી અવગણના મા વિસ્તારમાં આવી પ્રવૃત્તિ સતી હોવાને નુકસાન અનિવાર્ય પોલીસ સ્ટેશન, સામાજિક વન વ્યવસ્થાપન સમિતિ (ICFMC) અથવા સંસ્થાને સંપર્ક કરવો.

અમારીકરણ

કોઈ સેવિક વિનિયમો અપનાવવા સમિતિ

ગ્રામ પંચાયત, કોઈ, તા. નવનગર-જમલ

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# CSR Tuna



Adani Kandla Bulk Terminal Pvt. Ltd. is joint venture of Adani Ports and SEZ Limited as well as Kandla Port. There are three Villages & Two Fishermen Vasahat where Adani Foundation Doing various CSR activities in the Education, Health , SLD and Community Infrastructure area. Adani Foundation are running Rural Clinics in 3 villages on regular basis and supporting the villages in water storage and distribution networks. Current year supported for Drainage network for Tuna and Wandi as per MOU between Pandit Dindayal Trust and Adani Foundation



## Drainage work

As per MOU between Dindayal Port Trust and Adani Foundation – Contribution of Rs. 40 Lacs for Drainage Facility Provision in Tuna and Wandri Village was taken up and work will be completed upto June 2021

## Water facility

To reduce water born disease, we are providing portable drinking water facility at Dhavalvaro bandar and Vira bandar.

## Ration kit support

During covid -19 pandemic & lock down directly and adversely affect over Poor and vulnerable families whose are sustain daily wages work. We Distributed Ration kit to those people with aware to take precautionary measures as well. Total 1100 Ration Kits were distributed to Tuna Rampar and Vandi Villages

## Tree plantation

Tree plantation has been carried out at Tuna, Vandi & Rampar village and

Garden development work has been done at Rampar primary school which would create healthy environment and entertainment over students.

## Fodder support

in Rampar and Tuna village 47950kg dry fodder and 335730kg fodder has been supported during this year.

## Rural Clinics

Rural Clinics 2 hours per day are operated by Adani Foundation to ensure primary health at door step. Total OPD is @ 350 per month.



# CSR Bitta



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

As Abdasa is water scared region with list amount of rain Fodder support had been provided to 100 ton fodder to Bitta, Dhruvi and Moti Dhruvi villages.

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

Cricket ground of bitta village has been upgraded and cricket kit provided to youth.

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

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

# EVP

## Employee Volunteering program

Since last few years adani group employees are adopting students of migrant labours. this year also all the 802 students of Vallabh vidhalaya were adopted. All this students are belongs to migrants labour families who are working in various industries in and around of Mundra. The students does not feet any difficulty of language because the vallabh vidhalaya is Hindi medium school.

On 1st may i.e. on the world labour day, all the cheques of rs.16.04 lacs had been handed over to Mr. Dharmendra who is the director of vallabh vidhalaya

Due to COVID-19, the 10th standards students of AVMB felt difficulties in study as they do not have any digital gadget for online learning. Our APSEZ Employee had been voluntary support to provide Lenova tablet to the AVMB Students.





# WORK DURING COVID-19

To fight against the COVID19, Adani foundation has stepped up to guard the health and well-being of rural communities, provide relief material to needy.

Chemical sanitization was carried in various villages of Mundra with the coordination of Fire Department APSEZ. With coordination of Port, Wilmar and Foundation free cost food facility (Breakfast, Lunch and Dinner) in port & SEZ premises and AWL area.

24

Sanitization work in villages

1900

Daily Food Facility (Breakfast, Lunch, Diner) for 1900 Labour per day

5500

ration kit support to needy people (Specially Fisherman, daily wedge workers, widows and senior citizen).

105000

Mask prepared by women SHG for Government officers / staff of SDM, ICDS, TDO, Custom, THO, Police Dept. etc.





## WORK DURING COVID-19

Providing treatment is prime thing in case if any outbreak but making people aware about safety n self quarantine plus to handle the panic situation. Our mobile health care unit had provided primary treatment to community at door step and also created awareness. In this panic situation Adani Hospital Mundra had continue his IPD and OPD services. SuPoshan Sanginis led awareness drives for conveying correct hand washing techniques, importance of sanitization. They also visited pregnant women and counselling regularly. 'Awaz De' a voice message campaign was started in local kutchi language to make the people aware on COVID-19.

158

Taken care of Senior citizens at old age home

-

Awareness drives by SuPoshan Sanginis

-

Mobile health care unit provides Primary treatment at doorstep

35000

'Awaz De' a voice message campaign in local Kutchi language



Adani Foundation Kutch



# Our Change Makers



In critical time of Corona, Medical Officer Dr. Deven Goswami, Dr. Narendra Dodiya and Dr. Mukesh Parmar has performed their duties at GKGH Hospital for 1.5 month period.



## My Mother's dream became true

Name: Mura Keshabhai Dhuva

Place: Khavda, Bhuj, Kutch, Gujarat

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

Job: Joined as Nursing Assistant.

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

### **Candidate Brief:**

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

### **In his own words:**

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

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



## It helped me to become good team member and work efficiently

Name: Nipul Punjabhai Sanjot

Place: Bidada-Mandvi, Kutch, Gujarat

Training Trade & PIA: Completed a course in General Duty Assistant from Adani Skill Development Centre, Bhuj under DDU-GKY.

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

Job: Joined as Nursing Assistant.

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

He can be contacted at: 9726242085

### **Candidate Brief:**

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

### **In his own words:**

I am youngest in Covid19 hospital here but I know this is the time to act wise. When my friends ask me do you fear working as PCA? I simply laugh and say I am trained in GDA course and fully prepared for this work. My duty is to check patient's temperature, blood pressure and oxygen level and maintain record. We get residential facility nearby hospital. To Treat Covid19 patients, needs a courage and team work and I am blessed I got this wonderful chance.

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





Name: Khoja Sahista Hussenali

Place: Kera, Bhuj, Kutch, Gujarat

Training Trade & PIA: Completed a course in General Duty Assistant from Adani Skill Development Centre, Bhuj under DDU-GKY.

Employer: Om Maternity Home, Bhuj, Kutch, Gujarat.

Job: Joined as Nursing Assistant.

Salary: Rs. Up to 7000/- per month with lodging and boarding facilities.

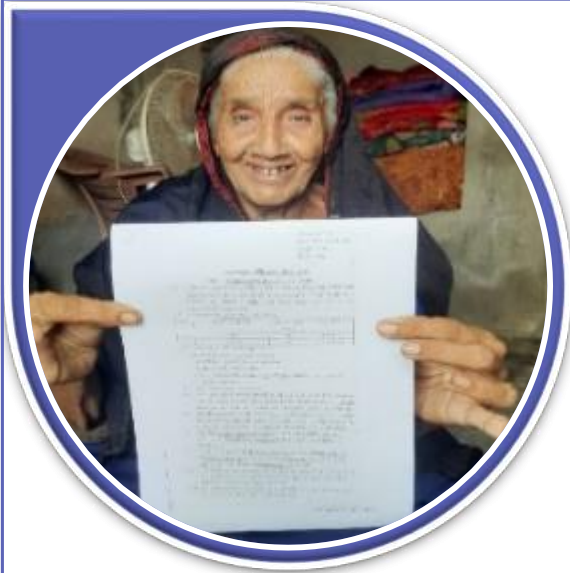
He can be contacted at: 8347304586

**Candidate Brief:**

She is belong to poor family. Her family's monthly income prior to his placement was Rs. 8,000 and source of income is from grocery store. Her prior educational qualifications is 12th pass.

**In her own words:**

My name is Sahista khoja i am living in kera village . My father's dream is that my daughter should be in medical field. But due to my mother's health issue i completed my SSC and HSC external And i thought i will never fulfill my father's dream but fortunately i came to know from my friends about GDA course and i got opportunity to trained under that course. And I started my internship at Om maternity home and on last day of internship i got placement their. I want to thank Adani skill development from the bottom of my heart to give me opportunity to take training under DDU - GKY and make me capable to became a second earner for my family.



## Stick at old ages

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

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

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

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



## “Vidyadan Mahadan”

Name: Sohil Gafur Manjaliya

Place: Luni ,Mundra

AF intervention:- Education Scholarship Support

Progress & Achievement:- Studied intently and perused Graduation

Degree and process for LLB admission

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

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

### In his own words:

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

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

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

## Real Support



Name: Harkhumben hirabhai Rabari

Place: Jinjauu, Nakhtrana

AF intervention:- Sewing Machine Support.

Progress & Achievement:- Started Embroidery and sewing work

Income : Rs.2500 to 3000/Month

**Back Ground :** She is 40 year old lady and disable by polio in childhood. They are five members three Children and Husband wife. Her husband is driver and the only person to earn hence financial problem is always remain host.

However She is illiterate & handicapped but symbol of etiquette and dedication. She always thought to be financial Supporter to her life partner . As belongs to Rabari community stitching & hand work is imbibed in her and she want to purchase Sewing machine for the same but Financial constrain did not allow them for same.

During community interaction she express her willing sewing machine support. we met her and after verification Support accordingly.

In his own words:

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

Thanks to Adani foundation to be supporter to such disable persons





## Sea of Change – I can !!

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

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

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

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

he accepted opportunity even did not know the process. Initially We supported for gate pass and other mandatory formalities. Currently 22 Fishermen youth are working under him. He is saying that I am earning Approx Rs.40000/Month. And massage to Fishermen youth that I am grateful to AF to provide chance to proof my self and sustaining well. now I can Fulfill all basic amenities and invest to my daughter education.

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



## Fostering for Future

Life without parents is like boat in the mid of the ocean without compass , Krishna was cute and beloved girl of her family. Though her parents was labour but had been grew with lots of love & fulfilled all her wishes. But who knows the destiny ,when she was 8th year old she lost her father due to heart attack. yet she get back from the shocked, her mother got remarried which pushed her in the sorrow of ocean.

she is from Siracha village & studying in 5th standard. However her uncle and aunty are looking after her fostering with all possibility, she is but since they are poor, the financial constrain cant allow them to do much more even they wish. One day when our Employee Mr. Karshanbhai Gadhvi knew about its , he met them and get review from the village leader about the reality ,They are really poor and has been taking care of Krishna with soft intend & Love. Later we informed them about the Government scheme and did all the necessary documentation to linked with Government Orphan Yojna. Now they are being facilitated with Rs.3000 pension /Month which they deposit in Krishna bank Account to invest for their Education and wish to made her Officer now Krishna s future is secured...

# Events

## World Environment Day

World Environment Day was celebrated in Four Talukas by different activities related to conservation of Environment. The events were organized with coordination of Sarpanch, village leader and village committee members and difference type of activity had been carried out in this events.

### Activity

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



## World Mangrove day



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

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

## Vanmhotsav



Vanmahotsav week had been celebrated by adani foundation. The main objective of the vanmahotsav is to promote forest conservation the tree plantation.

More than 4100 tree plantation activity had been carried out in Tunda, Siracha, navinal , Zarpara, Dharb, baroi, luni, samgoga, Nani bhujapar, moti bhujapar, Mota bhadiya, Gundiyali , Anjar, tuna, rampar and wandi villages of Mundra & Anjar.



## World ocean day



8th June is celebrated as world ocean day. adani foundation had celebrated the world ocean day by coastal cleaning activity at Juna Bandar, Luni Bandar and Bavadi Bandar.

More than 105 Fisherman took part in this activities with great enthusiasm and zeal. Adani Foundation has scheduled awareness of coastal biodiversity, No fishing in monsoon period and conserving mangroves by allege removal and sweet water usage in initial period.

## National Youth Day



The National youth day was celebrated by motivation the youth who had play significant role during corona period as a warier in various sector and society.

On the occasion Mr.Sharad Sharma –AWL plant head and Mr. Vijay Saxena –HR head MUPL were remain present and delivered speech accordingly.

17 youth (3 utthan sahayak, 4 fishermen youth, 3 corona warriors, 7 women - animal husbandry & gram rakshak dal) were appreciated.

## International Women's day



Adani foundation and Britannia had jointly celebrated women's day on 10th March 2021 in which Guest of honour was Pabiben Rabari Entrepreneur Kutchh. 283 women are working at Britannia and preparing biscuit and rusk. Adani foundation is supporting for sourcing, motivation training for them and on job training plus convincing of families of women for shift duties also. Pabi ben had given information about her life journey and struggle and congratulated women for their joining the work. Dr Punam has informed about how to stay mentally and physically healthy plus maintain hygiene. Felicitation of 25 women by Medal who become permanent in Britannia company. Five Women shared their journey of life.

## The National girl child day



Women are the epitome of strength, Love, sacrifice and courage. and In the fast growing world women role is more important for the Socio, Economical & political development of Family, Nation and world. The National girl child day was celebrated with ICDC Department with Vahli Dikri Yojna form filling, paediatric health camp and Baby health kit distribution at Mundra. Mrs. Ashaben - CDPO Mundra was remain present in this event. Total 61 forms has received approval letter from GOG and 15 forms filled up on the same day.

## Ayurvedik Ukalo Distribution



Covid-19 pandemic is at the peak level and while don't having Specific treatment and vaccine taking precautionary measure and immunity boosting is the only weapon to keep away our self from Covid-19.

We have started Ayurvedic Kwadh Distribution at Various Public spot, Our Port Entry & Exit gate and APL ,AKBTPT una with spreading awareness to mitigate rapid transition to combat against covid -19. More than 6500 people had benefitted with Ukado and Vitamin –C tablet from Mundra, Baroi Shanti van & Samudr township.

## World Water day



Adani Foundation Mundra & Nakhtrana had Jointly celebrated World water Day with WASMO. Mr. R J Sonkesariya - SE irrigation dept., Ms. Dimpleben Shah - District coordinator WASMO were remain present in this event. Innovative farmer Mr.Vadilal Pokar had shared his experiance and value of drip and borewell recharge activity. more then 125 farmers of Mundra and Nakhtrana block took part in this event. To understan the value of water, drawing competition on the theme of valuing water had been organized for utthan school students.

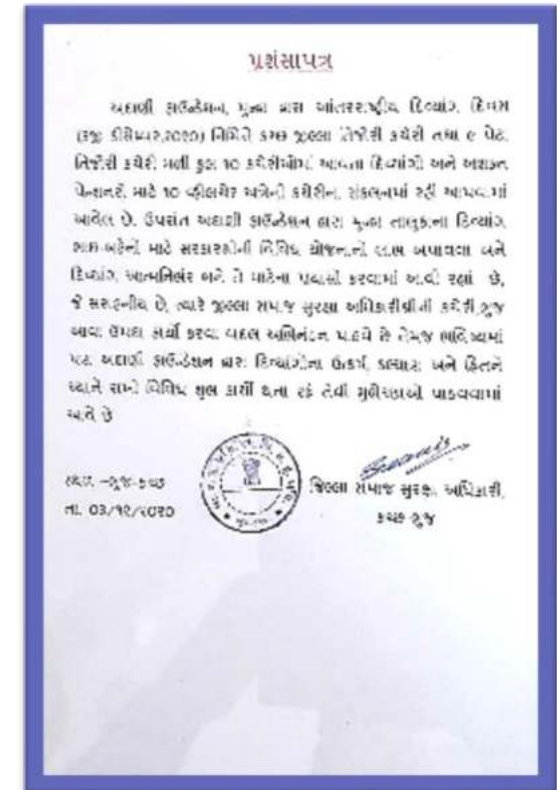


# World Disability Day

The people who living with disability, face many barriers to inclusion into key aspects of society, God blessed them with some kind of limitations with other kind of skill. Disability brings different ability.

We had celebrated world disability day on 3rd Dec with the aim to empowerment and help them to create real opportunity to make them self sustain.

In Mundra, Bita, Tuna, Anjar, Nakhtrana, Lakhpatt, Bhuj & Khavda blocks of Kutch district, total 40 people were benefitted with various Tool and Machine. The District Social Welfare Officer had issued appreciation letter for our efforts. All Divyang of kutchh, have been assured to support for Government online application to facilitate Aid & Equipment well as divvying certificate and bus pass.





## Awards

Adani Port and Special Economic zone ,Mundra has been awarded with 2nd prize for the National water Award from the Government of India Ministry Of Jal Shakti for the best industry for CSR Activity Category. and got cash Prize of Rs.1.5 lacs.



## Awards

There was state level QCFI Award competition for ( HR and CSR activity) We participated with our Namda work revival project though virtual presentation. we received diamond award.



# Beneficiaries data

No	Core Area	Direct Beneficiaries	Indirect Beneficiaries	Remarks
1	Education	2098	9424	Utthan 17 Schools
2	Adani Vidhya Mandir	472	1888	AVMB ,Students
3	Community Health Mundra	19196	212969	MHCU, Rural Clinic, Senior Citizen, Health camp,
4	Community Health, Bhuj	5870	23480	Medical Support , Mahiti setu, Dead Body , Patients Care & Co-ordination
5	AHMPUL	20959	62877	OPD & IPD Patinets
6	SLD Fishermen	8035	2330	Education, Mangrove, Water and Livelihood
7	SLD –Agriculture	21190	2991	Drip, Fodder, Home Bio Gas, Tissue ,
	SLD- Women Empowerment	127	508	SHG Group Income generation & Training
8	CRC	1079	4316	Sukanya Samrudhi Yojna, Agriculture ,Fishermen,
10	Swavlamban	276	1072	(Widow women & Divyang)
11	Community Infra Structure	111855	162488	Fishermen Amenities & Shelter ,Pond Deepening, Approach
12	Nakhtrana	18528	8168	Health ,SLD, Bio Diversity & CID
13	Tuna	6717	20151	Fodder, Health & portable water
14	Lakhpat	2956	1380	Tree Plantation & Tree Guard
15	Suposhan	20565	0	Child ,Adolescent Girl ,RPA Women
16	ASDC Bhu & Mundra	577	1432	soft skill and DL .GDA & Online Training
<b>Total</b>		<b>240500</b>	<b>515474</b>	

# Financial Overview - Adani Foundation -Mundra

## Executive Summary-Budget Utilization F.Y. 2020-201

(Rs. In Lacs)

Sr. No.	Budget Line Item	Budget 2020-21	Total LE 2020-21	% of Total Utilization
A.	Admin Expense	61.10	56.96	93.28%
B.	Education	94.56	57.87	61.20%
B1	Utthan-Education -Mundra & Anjar	64.11	52.05	81.19%
B2	Utthan : Fisherfolk	30.45	5.82	19.12%
C.	Community Health	420.70	325.12	77.28%
D.	Sustainable Livelihood Development	365.00	336.62	92.23%
E.	Community Infrastructure Development	58.30	60.13	103.14%
F.	EDM Recommended Projects	60.00	60.00	100.00%
G.	COVID 19 Support	100.00	27.05	27.05%
H *	Budget taken against Saving			
1	Wandi – Tuna Drainage Support		45.40	
2	Support to Dhrub Hospital-Dhrub		22.00	
3	Approach Road Construction at Prasla Vadi, Zarpara		16.00	
4	Participation in Gaushala Construction at Goyersama		10.25	
	Total Budget plan against Saving:		93.65	
	Total AF CSR Budget :	1,159.66	1017.41	87.73%
[I]	Adani Vidya Mandir-Bhadreshwar	219.67	104.74	47.68%
[II]	Project Udaan-Mundra	50.00	49.30	98.61%
	GRAND TOTAL Budget F.Y. 2021-22 :	1,429.33	1,171.45	81.96%







# કચ્છમાં આંતરરાષ્ટ્રીય દિવ્યાંગ દિવસની ઉજવણી કરાઈ



## કચ્છના યુવાનોમાં રહેલા કૌશલ્યનો વિકાસ કરવા સાથે રોજગારી વધારાશે

મુજ, તા. ૧૧ : કચ્છ યુનિ. અને અદાણી સ્કિલ ડેવલોપમેન્ટ દ્વારા કચ્છના યુવાનોના આર્થિક, સામાજિક વિકાસ માથે એ મારે કૌશલ્ય વિકાસ કાર્યક્રમો આગળ વધારવા પંડિત સ્વામીજી કૃષ્ણ વર્માના ૧૬૦મા જન્મદિન નિમિત્તે યુનિ. આતે વર્ણુબલ બેઠકનું આયોજન કરી બંને સરનામી વચ્ચે એમ.ઓ.યુ. કરવામાં આવ્યો છે. કુલપતિ જયરાજસિંહ જાડેજા તથા અદાણી સ્કિલ ડેવલોપમેન્ટના પ્રમુખ ડૉ.એસ. અકબીની ઉપસ્થિતિમાં પ્રથમ તબક્કામાં પંડિતશ્રી

બેઠકીક ડિંગ્લીશ, અવસામલથી તાલીમ, રીટેલ સેલ્સ એસોસિએટ અને જનરલ ડ્યુટી સ્વામીજી કૃષ્ણ વર્માના ૧૬૦મા જન્મદિને કચ્છ યુનિ. અને અદાણી સ્કિલ ડેવ. વચ્ચે કરાર

આસિસ્ટન્ટ જેવી તાલીમો આપી કરવા નક્કી કરાયું છે. કુલપતિ શ્રી જાડેજાએ કહ્યું કે, કચ્છના યુવાનોને આ તબક્કાને નવી દિશા પ્રાપ્ત કરવામાં આ કૌશલ્ય વિકાસ

મકલીએ કહ્યું કે, કચ્છના યુવાનોને કૌશલ્ય વિકાસથી રોજગારી માટે વધુ પ્રયત્નો કરવામાં આવશે. સ્કિલ ડેવ.ના હેડ જસિન વિવેંદી, અદાણી ફાઉન્ડેશનના હેડ પંડિતશ્રી શાહે ઉદ્બોધન કર્યું હતું.

મુજ અદાણી સ્કિલ ડેવ.ના હેડ સાગર કોટેકે તથા કચ્છ યુનિ.ના આંતરરાષ્ટ્રીય ભાગતોના અને કોપરેટિવ મિલિન્ટ સોલ્યુશીને બેઠકનો હેતુ રજૂ કર્યો હતો. યુનિ.ના કચિપર કાઉન્સેલર અજય રાહોડે તેમજ

# મુન્દરા તા.ના પ્રાગપર ખાતે ૫ એકરના પ્લોટમાં બાયોડાયવર્સિટી પાર્ક બનશે

નંદી સરોવરમાં એન્કરવાલા અહિંસાધામ અને અદાણી ફાઉન્ડેશન દ્વારા આયોજન



## નખત્રાણા શહેરમાં આયુર્વેદિક ઉકાળાનું વિતરણ કરવામાં આવ્યું

by કચ્છ સમાચાર -



# નર્સિંગ કોર્ષના ૨૦ તાલીમાર્થીઓને પ્રમાણપત્ર પહેલા જ નોકરી મળી

મુજમાં અદાણી સ્કિલ ડેવલોપમેન્ટ દ્વારા અપાઈ હતી તાલીમ

કચ્છમાં જરૂરિયાત મુજબ નિમણુક તાલીમ માટે અસ્મિતાબેન જેઠી અને પૂર્વી ગોસ્વામી સહાયરૂપ થયા હતા. હજુ પણ જરૂરિયાત મુજબ પ્રયત્નો કરવામાં થયા હતા.

અત્રે ઉલ્લેખનીય છે કે, ગયા ઓક્ટોબર-૧૯માં બેચ શરૂ થઈ હતી. પરંતુ, લોકડાઉન આવી જતા પરીશા લઈ શકાઈ નહોતી છતાં ફળ મળ્યું છે.



# મુન્દરા તાલુકાના વિવિધ ગામોમાં ૪ હજારથી વધુ વૃક્ષોનું વાવેતર કરાયું

અદાણી ફાઉન્ડેશન દ્વારા ઝરપરાના વીર શહિદની પુણ્યતિથિએ કરાઈ કામગીરી



મુન્દરા : વૃક્ષોએ પરતી પરના મૌન સંત છે. પોતે તાપ સહન કરી બીજાને ઠાવ્યો આપે છે. જેમ વૃક્ષોનું વાવેતર અને ડિફેન્ડનું પ્રમાણ વધશે તેમ

## રાજ્યસરકારના આઈસીડીએસ વિભાગ દ્વારા સંયુક્ત ઝુંબેશ યોજાઈ મુંદરા તા.માં વહાલી દીકરી યોજના હેઠળ ૧૫૦થી વધુ બાળાને સહાય મળશે

મુજ, મુન્દરા : બાળા હતા પ્રથમ તબક્કે ૧૫૦ ડિકરીઓના અનુરોધે કરી હતો તથા યોજના અંગે વાહીઓને સરજા અપાઈ હતી.

## મુંદરામાં અદાણી ફાઉન્ડેશન દ્વારા વિવિધ ક્ષેત્રના તારલાઓનું બહુમાન માઘીમાર સમુદાયના ઉચ્ચ અભ્યાસ કરનારા નવયુવાનોનું સન્માન કરાયું

મુંદરા ખાતે અદાણી સ્કિલ ડેવલોપમેન્ટ દ્વારા સ્વામી વિવેકનંદની જન્મ જયંતી પ્રસંગે રાજીસ વિસ્તારમાં બેની પશુપાલન, કૌશલ્ય, સિલેજ ટેકનિકલ, ગ્રામ સ્વચ્છતા અને સ્વમાનભરે રોજગારી મેળવવા યુવાનો પારંગત અને તેવો સંદેશો અપાયો





*Disability brings different ability, it bring hope in different way  
let us pray the God to give confidence and strength to the  
person who are having some kind of limitations with other  
kind of skill*

Thank You...

