

# adani

Ports and  
Logistics

APSEZL/EnvCell/2019-20/050

Date: 26.11.2019

To

**Additional Principal Chief Conservator of Forests (C),**  
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)

**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 - 2019 to September - 2019 has been submitted through mail communication dated 26.11.2019 and acknowledge of the same with CD (Soft Copy of Compliance Report) is attached here for your records.

Thank you,

Yours Faithfully,

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

  
**Avinash Rai**  
Chief Executive Officer  
Mundra & Tuna Port

Encl: As above

Copy to:

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

*Received*  
*Deewan*  
*26/11/19*

कार्यालय/OFFICE

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forests & Climate Change,  
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र)/Regional Office (Western Zone)  
भोपाल (म.प्र.)/BHOPAL-462016



# Environmental Clearance Compliance Report

of




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

of

MPSEZ Utilities Pvt. Ltd.  
(MUPL-CETP)

for  
Period:

April-2019 to September-2019

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

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# **Compliance Report of Environment Clearance**

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</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 30-09-2019
<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.	Complied.  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 was submitted to GPCB on 24.06.2019. Acknowledgement copy of the same is attached as <b>Annexure – 1</b> .
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.	Complied.  Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.  Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as <b>Annexure – 2</b> .
3	Industries having high pollution potential like dyes and dye intermediates, bulk drugs and intermediates, pesticides etc. shall not be allowed in MPSEZL in such proportion that	Complied.  Presently Textile, chemical, warehouse, oil, steel CFS, electronic and food products category industries are available in SEZ area.  At present there is no such industry within APSEZ as mentioned in the condition.

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 30-09-2019		
	effluent received at the CETP always meets with the inlet norms.	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.	<p>Complied.</p> <p>Fresh water requirement for CETP is ranging from 5 to 6 KL/Day, which is sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply and / or Desalination plant of APSEZ. No ground water is being tapped.</p> <p>Details of water consumption are given as <b>Annexure – 3</b>.</p>		
5	The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).	<p>Complied.</p> <p>The average quantity of effluent received in CETP from member units was 183 KL/Day and treated water discharge from the CETP 187 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 – 3</b>.</p>		
6	<p>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:</p> <table><tr><th>Parameter</th><th>CETP inlet norm of MUPL</th></tr></table>	Parameter	CETP inlet norm of MUPL	<p>Complied.</p> <p>The average quantity of effluent received in CETP from member units was 183 KL/Day and treated water discharge from the CETP 187 KL/Day respectively during the compliance period.</p> <p>There are only two member industries of CETP as on date for industrial effluent and effluent is transferred through underground pipeline only. Presently on avg. 190 KL/ Day treated water from CETP is being reused.</p> <p>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 and BOD. Analysis reports are submitted to GPCB every month and proof showing the same is attached as <b>Annexure – 2</b>.</p> <p>Sewage is also received from other member units for treatment in CETP and final disposal.</p> <p>List of member units for industrial effluent as well as domestic</p>
Parameter	CETP inlet norm of MUPL			

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


Sr. No.	Conditions		Compliance Status as on 30-09-2019												
	pH Suspended Solids BOD (3 Days at 27 °C) COD TDS Oil & Grease Phenolic Compounds Cyanides Fluorides Sulphides Ammonical Nitrogen Copper Nickel	6.5 To 8.5 800 mg/l 1000 mg/l 2000 mg/l 2100 mg/l 20 mg/l 1 mg/l 0.2 mg/l 2 mg/l 2 mg/l 50 mg/l 3 mg/l 3 mg/l	sewage were submitted to the MoEF & CC along with half yearly compliance report Apr – 2016 to Sep – 2016 and there is no further change.  MUPL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & 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.												
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.		Complied.  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. <table><tr><th>Unit</th><th>ETP Capacity</th><th>Treatment Methodology</th><th>Average Water Discharge</th></tr><tr><td>M/s Dorf ketal Specialty Catalyst Pvt. Ltd.</td><td>100 KLD</td><td>Primary &amp; Secondary Treatment</td><td>84 KLD</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>15 KLD</td></tr></table>	Unit	ETP Capacity	Treatment Methodology	Average Water Discharge	M/s Dorf ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	84 KLD	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	15 KLD
Unit	ETP Capacity	Treatment Methodology	Average Water Discharge												
M/s Dorf ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	84 KLD												
M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	15 KLD												
8	The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.		Complied.  The details for the same are provided in specific condition no 6 above.												
9	Domestic waste water shall be discharged into septic tank/ soak pit		Complied.  Sewage from member industry is collected into collection												

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 30-09-2019																														
	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>tank, which is transferred to CETP at average rate of 65 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 facilities to achieve the GPCB norms. The CETP shall be established in modules of 2.5 MLD to achieve the ultimate capacity of 17 MLD with the passage of time depending on the actual requirements as per development of the MPSEZL. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the GPCB norms.	<p>Complied.</p> <p>MUPL has established the adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.</p> <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 Apr'19 to Sep'19 is mentioned below.</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>7.06</td><td>7.45</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>34</td><td>66</td><td>100</td></tr><tr><td>COD</td><td>mg/L</td><td>138</td><td>202</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>30</td><td>64</td><td>100</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>8</td><td>38</td><td>50</td></tr></table> <p>\$ Permissible Limits as per CC&amp;A for CETP</p> <p>Please refer <b>Annexure – 4</b> for detailed analysis reports. Approx. INR 11.23 Lakh is spent for all environmental monitoring activities during F.Y. 2019-20 (Till Sep'19).</p> <p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB Sample analysis reports are attached as <b>Annexure – 5</b>, which shows that all the parameters are well within the permissible norms.</p>	Parameter	Unit	Min	Max	Perm. Limit <sup>\$</sup>	pH	--	7.06	7.45	6.0 – 9.0	SS	mg/L	34	66	100	COD	mg/L	138	202	250	BOD	mg/L	30	64	100	Ammonical Nitrogen	mg/L	8	38	50
Parameter	Unit	Min	Max	Perm. Limit <sup>\$</sup>																												
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	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
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 CRZ permission during high rainy days.	<p>Complied.</p> <p>Average 187 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>
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 &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 – 4 &amp; 5</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	<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 two storage</p>

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	tanks of 50 KL each which is sufficient to store the effluent for at least one day.
15	The MUPL shall give time slot to the contributing member units for discharge of effluent and implement a mechanism for ensuring that the member units adhere to the same.	Complied.  At present there are only two member industries of CETP and time slot has been given to each industry for discharging their effluent.
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	Complied. MUPL 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.
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.	Complied.  Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units.  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.
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	Complied.  Magnetic flow meters to maintain the record of quantity of raw effluent and treated effluent have been provided at inlet and outlet of CETP.  Records of quantity received from industry and treated discharge are attached as <b>Annexure – 3</b> .

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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	submitted regularly.	
19	The MUPL shall also install pH sensor solenoid valve with alarm device at the inlet of equalization tanks. Emergency tank shall be provided at the CETP for diverting effluent with the CETP inlet norms, in case of unforeseen circumstances.	<p>Complied.</p> <p>Online pH meter is provided at CETP inlet, equalization tank and neutralization tank for continuous monitoring of pH.</p> <p>Equalisation tank having capacity of 1700 KL is capable to take care of unforeseen circumstances.</p>
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>MUPL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD &amp; Ammonical Nitrogen parameters with alarm/alert system in case of exceedance. It is also connected with GPCB as well as CPCB server. Information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report Apr – 2016 to Sep – 2016.</p> <p>However MUPL 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 is 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	Complied.

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	any bypass line or system, or loose or flexible pipe for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.	Treated 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 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.	Complied.  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.
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.	Complied.  D.G. Set having 380 KVA capacity has been provided as stand-by which is equivalent to the power requirement to run CETP.
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	Complied.  Log books containing all required information are maintained. A typical copy of logbook is attached here as <b>Annexure – 6</b> .  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. 183 KLD effluent from member industries.  Last sludge disposal was carried out through co-processing on 31.12.2018 at registered TSDF site as SEPPL, Bhachau. The disposal quantity was 2.14 MT. details of the same were

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation / gardening, quantity and quality of effluent discharged to deep sea through outfall system of MPSEZL etc. Details of the member units failing to comply with the CETP inlet norms shall be submitted to the GPCB on regular basis.	submitted along with last half yearly EC Compliance report for the period Oct'18 to Mar'19.  The sludge generated thereafter is stored in dedicated storage area and will be disposed to approved TSDF site.
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 – 2</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.  MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & 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 – 5</b> , which shows that all the parameters are well within the permissible norms.

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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		Also refer Point no. 10 for further details.
28	The company shall also have to submit every month, the analysis reports of the samples of effluent got collected and analysed by one of the recognized laboratories.	<p>Complied.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. and report of the same is also being submitted to the GPCB every month. Typical proof showing the same is attached as <b>Annexure – 2</b>.</p> <p>Monitoring report for the period from Apr'19 to Sep'19 is attached as <b>Annexure – 4</b>. Approx. INR 11.23 Lakh is spent for all environmental monitoring activities during F.Y. 2019-20 (Till Sep'19).</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 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. 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	<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 – 2</b>.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2019																									
	GPCB on monthly basis.																										
31	Ground water quality shall be monitored on regular basis with piezometer bore wells at suitable locations in consultation with GPCB and its records shall be maintained. The monitored data along with interpretation shall be submitted at least once in six months.	<p>Complied.</p> <p>Bore-hole has been made at CETP main gate to check ground water quality and water level. No ground water contamination is evident as per the monitored data.</p> <p>Ground water sampling and analysis report is attached as <b>Annexure – 4.</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 6 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.</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 Apr'19 to Sep'19 is mentioned below.</p> <p><b>Monitoring Locations &amp; Frequency: O2 (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>96.21</td><td>44.03</td><td>100</td></tr><tr><td>PM<sub>2.5</sub></td><td>µg/m<sup>3</sup></td><td>56.39</td><td>16.54</td><td>60</td></tr><tr><td>SO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>28.44</td><td>6.36</td><td>80</td></tr><tr><td>NO<sub>2</sub></td><td>µg/m<sup>3</sup></td><td>46.47</td><td>14.59</td><td>80</td></tr></table> <p><sup>\$</sup> as per NAAQ standards, 2009</p> <p>Monitoring report for the period from Apr'19 to Sep'19 is attached as <b>Annexure – 4.</b> Approx. INR 11.23 Lakh is spent for all environmental monitoring activities during F.Y. 2019-20 (Till Sep'19).</p>	Parameter	Unit	Max	Min	Perm. Limit <sup>\$</sup>	PM <sub>10</sub>	µg/m <sup>3</sup>	96.21	44.03	100	PM <sub>2.5</sub>	µg/m <sup>3</sup>	56.39	16.54	60	SO <sub>2</sub>	µg/m <sup>3</sup>	28.44	6.36	80	NO <sub>2</sub>	µg/m <sup>3</sup>	46.47	14.59	80
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	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
34	The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p>Complied.</p> <p>MUPL 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.</p> <p>Membership certificate for disposal of Hazardous waste (SEPPL) is submitted to the MoEF &amp; CC along with half yearly compliance report April – 2016 to Sep – 2016.</p>
35	CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied.</p> <p>Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities. Details of the same were submitted along with last EC Compliance report for the period Apr'18 to Sep'18.</p>
36	CETP waste shall be disposed at authorized common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility. MUPL have obtained 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 158 KLD effluents from member industries.</p> <p>Please refer condition no. 25 for HW disposal details.</p> <p>Copy of valid membership certificate submitted to the MoEF &amp; CC along with half yearly compliance report April – 2016 to Sep – 2016 and there is no change further.</p>
37	Discarded containers / drums / bags/ liners shall	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed</p>

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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	be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	through authorised TSDF facility only.  Used Oil and Discarded Containers generation is not frequent in nature. As & when generated, the same will be disposed by selling out to registered recycler / reprocessor.
38	Used oil shall be sold to the registered recyclers.	
39	Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.	Complied. Adequate hand rail are provided at CETP Tanks for fall protection.
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.	Complied. 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.  Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and HCl are provided with stand by pumps to avoid human exposure.
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 system of chemicals shall be provided.	Complied  There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical dosing.
42	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check-up of the workers and keeping its record etc.	Complied.  MUPL 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.
43	Personal Protective	Complied.

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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Sr. No.	Conditions	Compliance Status as on 30-09-2019															
	Equipments shall be provided to workers and its usage shall be ensured and supervised.	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.															
44	First Aid Box shall be made readily available in adequate quantity.	Complied. First aid box is available in CETP area. OHC of APSEZ maintains first aid box regularly.															
45	Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CETP operations.	Complied. Regularly tool box talk is being conducted at CETP for safety and health aspects of chemicals handling and CETP operations.															
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.	Complied.  Pre-employment and periodical medical examination is being carried out. Record of the same was submitted during half yearly EC compliance report for the period Apr'18 to Sep'18.															
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Not Applicable No hazardous chemicals are transported during the compliance period.															
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The	Complied.  Noise level monitoring is being carried out on monthly basis by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'19 to Sep'19 is mentioned below.  <b>Monitoring Locations &amp; Frequency: 02 (Twice in a week)</b> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>47.7</td><td>73.2</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>46.6</td><td>53.1</td><td>70</td></tr></table> <p style="text-align: right;">\$ as per NAAQ standards, 2009</p> Please refer compliance condition no. 32 for further details.	Parameter	Unit	Min	Max	Perm. Limit	Day Time	dB(A)	47.7	73.2	75	Night Time	dB(A)	46.6	53.1	70
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<b>Status of the conditions stipulated in Environment Clearance</b>		

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	Environment (Protection) Act, 1986 & Rules.	Monitoring report for the period from Apr'19 to Sep'19 is attached as <b>Annexure – 4</b> . Approx. INR 11.23 Lakh is spent for all environmental monitoring activities during the period April 19 to Sept'19.
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 2.29 hectare of green belt with the density of 2005 trees per hectare. Total 4591 trees are planted within CETP premises. So, far APSEZ have developed 467 ha. area as greenbelt with plantation 8.7 Lacs saplings within the APSEZ area.</p> <p>Details of the green belt development activity done by APSEZ Mundra are attached as <b>Annexure – 7</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 confirming to the existing central / local rules and regulations. All the construction designs/ drawing relating to the proposed construction activities must have approvals of the concerned State Government Department/Agencies.	<p>Already complied.</p> <p>Construction for 2.5 MLD CETP is completed and the same is in operation phase. There is no requirement for additional capacity of CETP as on date. Upon requirement of additional capacity, the new module of CETP will be constructed confirming to the applicable rules and regulations.</p>
52	In the event of the CETP's not functioning as proposed / breakdown of the CETP, the CETP member units shall be immediately intimated to stop discharging the	<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>

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	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.	
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 GPCB about any unit not renewing within stipulated period. The MUPL shall immediately inform the Gujarat Pollution Control Board about termination/ suspension of the CETP membership of any member unit.	<p>Complied.</p> <p>List of member units was submitted along with EC Compliance report for the period Apr-16 to Sep-16 and there is no further change.</p> <p>The agreements are renewed before its expiry by the member units.</p> <p>No event of termination or suspension of the CETP membership has occurred during the compliance period of April'19 to Sept'19.</p>
55	The MUPL shall not allow any new member or enhance effluent quantity of existing members unless & until they have prior requisite permissions from competent authorities.	<p>Complied.</p> <p>No new member has joined MUPL for effluent discharge during the compliance period of April'19 to Sept'19.</p> <p>No member has requested for enhancement of effluent quantity during the compliance period of April'19 to Sept'19.</p>
56	Pucca flooring /	Complied.

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<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	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.
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 April'19 to Sept'19 is attached as <b>Annexure – 8</b>.</p> <p>No floor washing activity was carried out during the compliance period.</p>
58	During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<p>Point noted.</p> <p>Effluent is being transferred to CETP by dedicated pipeline. No major accidental spillage has occurred during financial this compliance period.</p>
59	Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.	<p>Complied.</p> <p>Effluent is transferred by effluent transfer pipeline while for storm water, a separate storm water drain is provided in CETP which remains dry throughout the year except monsoon.</p>
60	The MUPL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or	<p>Complied.</p> <p>No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well during this compliance period.</p>

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
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	well.					
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.	<p>Complied.</p> <p>APSEZ has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Allocation of separate budget has also been done. EMC Organogram of APSEZ is attached as <b>Annexure – 9</b>.</p>				
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	<p>Complied.</p> <p>Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget allocation is done accordingly. No separate bank account is maintained for the same however, all the expenses are recorded in advanced accounting system of the organization.</p> <p>Budget for environmental management measures (including horticulture) for the FY 2019-20 is to the tune of INR 1042 lakh. Out of which, Approx. INR 727 lakh are spent till the FY 2019 – 20 (Till Sep'19). Detailed breakup of the expenditures for the past 3 years is attached as <b>Annexure – 10</b>.</p>				
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<p>Complied.</p> <p>The CSR Activities including community development and welfare programs for improving socio-economic environment of villages are planned out at Mundra by Adani Foundation in four core area. Details of the same are as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Community Health</td><td><ul style="list-style-type: none"><li>11 Rural Clinic-8 from Mundra &amp; 3 from Anjar block treated; <b>10889</b> patients.</li><li>31 villages covered through Mobile healthcare unit <b>7902</b> patients benefited during six month.</li><li>19 General Health Camp conducted - 12 General &amp; 7 under Utthan project; <b>2873</b> patients treated.</li><li><b>498</b> Needy patient benefited through Medical support Total amount of support is <b>Rs.4,02,201/-</b>.</li><li>Sr. Citizen Project <b>8672</b> Card holders of 68 villages get benefit under this project. <b>4713</b> sr. citizen patients benefited during six month <b>30000</b> limit for three year per patients.</li><li>First Medical College of Kutch district based on PPP model. It</li></ul></td></tr></table>	Area	Activity	Community Health	<ul style="list-style-type: none"><li>11 Rural Clinic-8 from Mundra &amp; 3 from Anjar block treated; <b>10889</b> patients.</li><li>31 villages covered through Mobile healthcare unit <b>7902</b> patients benefited during six month.</li><li>19 General Health Camp conducted - 12 General &amp; 7 under Utthan project; <b>2873</b> patients treated.</li><li><b>498</b> Needy patient benefited through Medical support Total amount of support is <b>Rs.4,02,201/-</b>.</li><li>Sr. Citizen Project <b>8672</b> Card holders of 68 villages get benefit under this project. <b>4713</b> sr. citizen patients benefited during six month <b>30000</b> limit for three year per patients.</li><li>First Medical College of Kutch district based on PPP model. It</li></ul>
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			<p>started from 2009. Affiliate with "Krantiguru Shyamji Krishna Verma Kutch University"</p> <ul style="list-style-type: none"> <li>750 bed– Largest Multi Specialty Hospital in kutch.</li> <li>Adani foundation, Adani Hospital and GAIMS have Jointly Celebrated "Arogya Saptah "8<sup>th</sup> to 14<sup>th</sup> August 2019 in Respect of 73th Independence of our country. – Approximately 4500 people will be direct beneficiaries of the program.</li> </ul> <table border="1"> <thead> <tr> <th>Day</th><th>Date</th><th>Event Name</th><th>Beneficiaries</th></tr> </thead> <tbody> <tr> <td>1</td><td>07/08/2019</td><td>Health check up at Orphan age, Bhuj</td><td>101</td></tr> <tr> <td>2</td><td>08/08/2019</td><td>Blood Donation Camp, Nakhatrana</td><td>55</td></tr> <tr> <td>3</td><td>09/08/2019</td><td>Pregnant Women health check up, Madhapar</td><td>50</td></tr> <tr> <td>4</td><td>10/08/2019</td><td>Surgical Mega Camp, Khavda</td><td>223</td></tr> <tr> <td>5</td><td>11/08/2019</td><td>General Health Camp, Palara Jail</td><td>139</td></tr> <tr> <td>6</td><td>12/08/2019</td><td>Ayushman Health Card Enrolment, Gorevali</td><td>52</td></tr> <tr> <td>7</td><td>13/08/2019</td><td>Awareness on women health, mukt jivan college, Bhuj</td><td>250</td></tr> <tr> <td>8</td><td>14/08/2019</td><td>Blood Donor Appreciation</td><td>36</td></tr> </tbody> </table>	Day	Date	Event Name	Beneficiaries	1	07/08/2019	Health check up at Orphan age, Bhuj	101	2	08/08/2019	Blood Donation Camp, Nakhatrana	55	3	09/08/2019	Pregnant Women health check up, Madhapar	50	4	10/08/2019	Surgical Mega Camp, Khavda	223	5	11/08/2019	General Health Camp, Palara Jail	139	6	12/08/2019	Ayushman Health Card Enrolment, Gorevali	52	7	13/08/2019	Awareness on women health, mukt jivan college, Bhuj	250	8	14/08/2019	Blood Donor Appreciation	36
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	Sustainable Livelihood – Fisher folk		<ul style="list-style-type: none"> <li>Average 70 KL of water was supplied to 983 households at 4 fisherman vasahat on a daily basis under Machhimar Shudhh Jal Yojana.</li> <li>Adani Foundation constructed four Balwadis for kids between the age group of 2.5 years to 5 years at different settlements under Vidya Deep Yojana. 125 children are benefiting from this scheme.</li> <li>115 students are getting benefit of vehicle transportation support from different Bandar.</li> <li>100% girls &amp; 80% boys providing scholarship support to motivate and encourage fishermen boys and girls for higher education. Book support 49 Fisherman Students of Higher Secondary Standard (9to12) has been benefitted.</li> <li>Mangrove Plantation, moss cleaning, etc.: 4300 Man-days.</li> <li>Biodiversity Project:-Project started with two species of mangroves which has good survival rate &amp; Plantation at site– 70% Survival Total 4Hector Plantation.</li> <li>Sea Weed Culture: Sea Weed Culture is going on. Seed bank preparation is going on under guidance of VRTI.</li> </ul>																																				
	Education		<ul style="list-style-type: none"> <li>Adani foundation adopted 17 government school located at Mundra Taluka under the project 'UTTHAN' a drive of quality education.</li> <li>One teacher–One school + Sports teacher + IT teacher</li> <li>'IT on Wheel 'Van with 35 laptops and computer instructor make students more tech savvy and spreading the digital and technology knowledge amongst the younger generation.</li> <li>With the intervene of our Sports teacher in all Utthan Schools successfully enrolled 500+ students in Khel Mahakumbh.</li> <li>Utthan Sahayak +1222 students from High school &amp; Higher secondary of 6 villages celebrate Fifth International Yoga Day.</li> <li>Adani Vidya Mandir: provide "cost-free" education to meritorious students coming from challenging economic background, who have priceless treasures but have been under achievers due to situation. In year 2019-20 450 students are studying.</li> <li>250 institutes and 15,329 beneficiaries have made inspirational visit of Adani Port, Power abd Wilmar during this six months under Project UDAAN.</li> </ul>																																				
	Rural Infrastructure		<p><b>WORK COMPLETED</b></p> <ul style="list-style-type: none"> <li>Water Conservation Works: <ul style="list-style-type: none"> <li>✓ Pond deepening work in Baroi, Luni &amp; Zarpara villages</li> </ul> </li> </ul>																																				

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

Sr. No.	Conditions	Compliance Status as on 30-09-2019																															
			<ul style="list-style-type: none"><li>✓ Mota Bhadiya Check Dam desilting work</li><li>✓ Lakhpatt Godhatal dam desilting work</li><li>✓ Mota Bhadiya artificial bore well recharge -2 no's</li><li>• Protection Compound wall at Navinal Village</li><li>• Garden development – Hanuman Temple Baroi</li><li>• Fixing of Street Light<ul style="list-style-type: none"><li>✓ 30 LED Street light Bhopawandh</li><li>✓ 20 LED Street light Mundra</li><li>✓ 50 LED Street Light at Bhorara</li></ul></li><li>• Construction of Prayer Shed at AVMB</li><li>• Garden Development work at-Bhujpur Village.</li><li>• Construction of R.O. Plant Room at Primary School sadau Village</li><li>• Drainage maintenance.</li><li>• Renovation of ITI at Mundra work in Progress.</li></ul> <p><b>WORK INPROGRESS</b></p> <ul style="list-style-type: none"><li>• Renovation of Bavadi at Bavadi Bandar</li><li>• Development of Community Training Hall at Mundra &amp; Goyarsama</li><li>• Fisherman Room at Navinal &amp; Zarpara Vasahat</li></ul>																														
		Skill Development	<ul style="list-style-type: none"><li>• Soft skill training – 437 Nos.</li><li>• Technical Training – 206 Nos.</li></ul> <table><tr><td></td><td>Digital Literacy</td><td>Self Employed Tailor</td><td>Beauty Therapist</td><td>Spoken English</td><td>Junior Operator Crane</td><td>Excel Training</td><td>RTG Crain Operator</td></tr><tr><td>Male</td><td>189</td><td>0</td><td>0</td><td>45</td><td>60</td><td>11</td><td>24</td></tr><tr><td>Female</td><td>156</td><td>22</td><td>100</td><td>36</td><td>0</td><td>0</td><td>0</td></tr></table>								Digital Literacy	Self Employed Tailor	Beauty Therapist	Spoken English	Junior Operator Crane	Excel Training	RTG Crain Operator	Male	189	0	0	45	60	11	24	Female	156	22	100	36	0	0	0
			Digital Literacy	Self Employed Tailor	Beauty Therapist	Spoken English	Junior Operator Crane	Excel Training	RTG Crain Operator																								
Male	189	0	0	45	60	11	24																										
Female	156	22	100	36	0	0	0																										
<p>Budget for CSR Activity for the FY 2019-20 is to the tune of INR 2043 lakh. Out of which, Approx. INR 745 lakh are spent during this compliance period Apr'19 to Sep'19.</p> <p>Details of CSR activities carried out by Adani Foundation for Mundra and surrounding area is attached as <b>Annexure – 11</b>.</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 case may be. In case of deviations or alterations	Point noted.  Considering existing scenario, at present CETP having 2.5 MLD capacity only installed against total granted capacity of 17.0 MLD. Capacity of the same will be expanded on later stage as per requirement.																															

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	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.	No expansion or modifications in the plant has been carried out during this compliance period.
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.	Complied.  Please refer point no. 62 for details regarding the same.
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each	Already complied.  Typical copy of advertisement given in newspaper was submitted as a part of compliance report for the duration of Apr'17 to Sep'17.

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 30-09-2019																					
	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 Oct'18 to Mar'19 was submitted to Regional Office of MoEF&amp;CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar &amp; Gandhidham and Dept. of Forests &amp; Env., Gandhinagar vide our letter dated 20.05.2019. 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>.</p> <p>A soft copy of the same was also submitted through e-mail on 27.05.2019 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. no.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Apr'16 to Sep'16</td><td>01.12.2016</td></tr> <tr> <td>2</td><td>Oct'16 to Mar'17</td><td>30.05.2017</td></tr> <tr> <td>3</td><td>Apr'17 to Sep'17</td><td>01.12.2017</td></tr> <tr> <td>4</td><td>Oct'17 to Mar'18</td><td>29.05.2018</td></tr> <tr> <td>5</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>6</td><td>Oct'18 to Apr'19</td><td>31.05.2019</td></tr> </tbody> </table>	Sr. no.	Compliance period	Date of submission	1	Apr'16 to Sep'16	01.12.2016	2	Oct'16 to Mar'17	30.05.2017	3	Apr'17 to Sep'17	01.12.2017	4	Oct'17 to Mar'18	29.05.2018	5	Apr'18 to Sep'18	30.11.2018	6	Oct'18 to Apr'19	31.05.2019
Sr. no.	Compliance period	Date of submission																					
1	Apr'16 to Sep'16	01.12.2016																					
2	Oct'16 to Mar'17	30.05.2017																					
3	Apr'17 to Sep'17	01.12.2017																					
4	Oct'17 to Mar'18	29.05.2018																					
5	Apr'18 to Sep'18	30.11.2018																					
6	Oct'18 to Apr'19	31.05.2019																					
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied.</p> <p>The stipulated norms made by GPCB are followed. All required data regarding to water, hazardous waste emission load and energy consumption are submitted to GPCB by Patrak submission on monthly basis.</p>																					
70	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of project.	Already complied.																					
71	The SEIAA may revoke or suspend the clearance, if implementation of any of	Point noted.																					

	<b>MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)</b>	<b>From : Apr'19 To : Sep'19</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance Status as on 30-09-2019</b>
	the above conditions is not found satisfactory.	
72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, interalia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their amendments and rules.	Point noted.
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

# **Annexure – 1**

APSEZL/EnvCell/2019-20/023

Date: 18.06.2019

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 01.10.2018 to 31.03.2019.

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

Dear Sir,

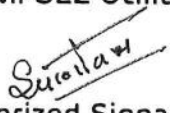
With reference to the above stated and reference, please find enclosed environmental audit report for the half year ending on 31<sup>st</sup> March, 2019. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities Pvt. Ltd. (MUPL)
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
UTR No.	:	AXISCN0034691613, dated 14.06.2019
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 Pvt. Ltd.

  
Authorized Signatory

**Encl:**

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

MPSEZ Utilities Pvt Ltd  
Adani House  
Nr Mithakhali Circle, Navrangpura  
Ahmedabad 380 009  
Gujarat, India  
CIN: U45209GJ2007PTC051323

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

  
24/06/19  
Gujarat Pollution Control Board  
Sector No. 10 A,  
Gandhinagar - 382 010



To

GUJARAT POLLUTION CONTROL BOARD, BHUJ, KUTCH, 370001

From

MPSEZ UTILITIES PVT LTD, ADANI HOUSE NR MITHAKHALISIX  
ROADS, NAVRANGPURA, AHMEDABAD -380009

### Payment Advice

Beneficiary Code	: 0000103152	Payment Ini. Date	: 14-06-2019
Beneficiary Name	: GUJARAT POLLUTION CONTROL BOARD	Amount	: 20,000.00
Beneficiary A/c No.	: XXXXXXXXXXXX0073	Company Name	: MPSEZ UTILITIES PVT LTD
Beneficiary IFSC Code	: IOBA0001816	Payment Ref. No.	: 2000000686290019
UTR Number	: AXISCN0034691613	Bank Ref. No.	: CN0034691613
Amount in Words	: <b>Twenty Thousand Rupees Only</b>		

Dear Sir/Madam,

We have initiated your payment to RBI through NEFT on 14-06-2019 for an amount of INR **20,000.00 (Twenty Thousand Rupees Only)**, the details of which are mentioned below. In case of any clarifications related to this transaction, kindly contact the concerned officials at MPSEZ UTILITIES PVT LTD.

Sr.No.	Invoice Number	Invoice Date	Invoice Amount	Other Deductions	Tax	Net Amount
1	00000000	03-06-2019	20,000.00	00.00	00.00	20,000.00

# **Annexure – 2**

office copy



PCB ID: 10605

Env Cell/MUPL/CETP/AR/2019/20

Date: 18.10.2019

To,

**Member Secretary,**

Gujarat Pollution Control Board,

Paryavaran Bhavan,

Sector-10A,

Gandhinagar-382010.

**Sub.:** Submission of Monthly Analysis Reports of Industrial and Sewage effluent of units connected with CETP operated by MPSEZ Utilities Pvt. Ltd.

**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 Industrial and Sewage effluent received from following units at CETP for the month of September-2019.

Sr. No.	Unit Name	Remarks
1.	M/s. Dorf Ketal Chemicals India Private Limited.	Industrial
2.	M/s. Ahlstrom Munksjo Fibercomposites India Private Limited	Industrial
3.	M/s SKAPS Industries India (Pvt) Ltd. (Unit-I)	Sewage
4.	M/s SKAPS Industries India (Pvt) Ltd. (Unit-II)	Sewage
5.	M/s Mundra SEZ Textile And Apparel Park Pvt. Ltd.	Sewage

The reports are submitted here-with in view of the condition no. 4 of CC&A order granted by GPCB vide their letter no. PC/CCA-Kutch-644(2)/GPCB ID: 10605/364534 dated 30<sup>th</sup> July, 2016.

Kindly accept and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Pvt. Ltd.

**Authorized Signatory**

Cc To:

**Regional Officer, Regional Office, Gujarat Pollution Control Board, Gandhidham.**

MPSEZ Utilities Pvt Ltd  
Adani House  
Nr Mithakhali Circle, Navrangpura  
Ahmedabad 380 009  
Gujarat, India  
CIN: U45209GJ2007PTC051323

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

07-11-19  
Received  
Gujarat Pollution Control Board  
Regional Office  
Kutch (East)  
Received  
Gujarat Pollution Control Board  
Regional Office  
Kutch (East)

# Analysis Report (CETP Inlet)

M/s Dorf Ketel Chemicals India Private Limited

Sep-19

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	Chloride
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	01-Sep-19	164474	83	7.85	1654	92	104	767
2	02-Sep-19	164557	84	7.80	1686	104	153	742
3	03-Sep-19	164641	83	7.95	1647	96	128	694
4	04-Sep-19	164724	84	7.65	1624	108	160	668
5	05-Sep-19	164808	83	7.55	1545	88	144	742
6	06-Sep-19	164891	84	7.60	1586	94	213	758
7	07-Sep-19	164975	83	7.55	1674	86	148	745
8	08-Sep-19	165058	84	7.84	1589	114	194	788
9	09-Sep-19	165142	83	7.60	1628	102	203	713
10	10-Sep-19	165225	84	7.81	1680	88	186	780
11	11-Sep-19	165309	83	7.78	1598	94	191	748
12	12-Sep-19	165392	84	7.58	1664	82	225	753
13	13-Sep-19	165476	83	7.84	1659	97	242	763
14	14-Sep-19	165559	84	8.01	1595	84	223	834
15	15-Sep-19	165643	83	8.12	1549	58	170	820
16	16-Sep-19	165726	84	7.80	1646	77	196	786
17	17-Sep-19	165810	83	7.92	1663	88	214	834
18	18-Sep-19	165893	84	7.71	1602	104	230	848
19	19-Sep-19	165977	83	7.60	1725	98	184	791
20	20-Sep-19	166060	84	8.05	1680	72	158	848
21	21-Sep-19	166144	83	7.83	1722	81	177	820
22	22-Sep-19	166227	84	7.92	1734	92	188	805
23	23-Sep-19	166311	83	7.54	1691	82	158	766
24	24-Sep-19	166394	84	7.70	1680	112	190	790
25	25-Sep-19	166478	83	7.53	1720	94	188	821
26	26-Sep-19	166561	84	7.86	1742	80	165	837
27	27-Sep-19	166645	83	7.96	1684	67	142	840
28	28-Sep-19	166728	84	8.05	1644	86	190	822
29	29-Sep-19	166812	83	7.80	1594	70	150	805
30	30-Sep-19	166895	84	8.04	1620	78	168	786
31	01-Oct-19	166979						
			2505					

For

*N.P. Rathod*

MPSEZ Utilities-Pvt Ltd

Analysis Report (CETP Inlet)

M/s AHLSTROM MUNKSJO FIBERCOMPOSITES INDIA PRIVATE LIMITED

Sep-19

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	Chloride
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	01-Sep-19	30265	15	6.94	1543	192	420	617
2	02-Sep-19	30280	0	7.05	1530	204	395	648
3	03-Sep-19	30280	15	7.00	1651	157	346	684
4	04-Sep-19	30295	15	7.48	1579	142	384	721
5	05-Sep-19	30310	15	7.22	1497	167	390	678
6	06-Sep-19	30325	15	7.06	1535	186	467	725
7	07-Sep-19	30340	15	7.08	1453	215	522	667
8	08-Sep-19	30355	15	7.12	1433	184	555	678
9	09-Sep-19	30370	15	6.94	1516	177	564	748
10	10-Sep-19	30385	15	7.02	1590	158	612	720
11	11-Sep-19	30400	15	6.88	1542	180	542	694
12	12-Sep-19	30415	15	7.12	1538	212	642	653
13	13-Sep-19	30430	15	7.28	1549	228	676	689
14	14-Sep-19	30445	15	6.94	1623	253	652	664
15	15-Sep-19	30460	15	7.05	1480	204	544	674
16	16-Sep-19	30475	0	7.12	1505	220	561	712
17	17-Sep-19	30475	15	7.00	1523	253	606	696
18	18-Sep-19	30490	15	6.90	1549	210	570	715
19	19-Sep-19	30505	15	6.82	1626	242	683	742
20	20-Sep-19	30520	15	7.12	1598	164	545	677
21	21-Sep-19	30535	15	6.73	1532	190	588	705
22	22-Sep-19	30550	15	6.81	1550	202	577	720
23	23-Sep-19	30565	15	7.04	1532	212	542	670
24	24-Sep-19	30580	15	6.92	1605	233	630	653
25	25-Sep-19	30595	15	6.96	1586	189	575	660
26	26-Sep-19	30610	15	7.05	1650	178	514	681
27	27-Sep-19	30625	15	7.21	1570	154	531	712
28	28-Sep-19	30640	15	6.88	1555	186	594	688
29	29-Sep-19	30655	15	7.11	1542	194	565	674
30	30-Sep-19	30670	15	6.90	1494	222	613	650
31	01-Oct-19	30685						
			420					

For



MPSEZ Utilities Pvt Ltd

# Analysis Report (CETP)

M/s SKAPS Industries India (Pvt) Ltd. (Unit-I)

Sep-19

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD
				6.5-8.5	2100 mg/l	800 mg/l	2000 mg/l
1	1-Aug	-	-	-	-	-	-
2	2-Aug	-	-	-	-	-	-
3	3-Aug	-	-	-	-	-	-
4	4-Aug	-	-	7.92	1750	233	561
5	5-Aug	-	-	-	-	-	-
6	6-Aug	-	-	-	-	-	-
7	7-Aug	-	-	-	-	-	-
8	8-Aug	-	-	-	-	-	-
9	9-Aug	-	-	-	-	-	-
10	10-Aug	-	-	-	-	-	-
11	11-Aug	-	-	8.10	1804	260	605
12	12-Aug	-	-	-	-	-	-
13	13-Aug	-	-	-	-	-	-
14	14-Aug	-	-	-	-	-	-
15	15-Aug	-	-	-	-	-	-
16	16-Aug	-	-	-	-	-	-
17	17-Aug	-	-	-	-	-	-
18	18-Aug	-	-	8.01	1789	221	546
19	19-Aug	-	-	-	-	-	-
20	20-Aug	-	-	-	-	-	-
21	21-Aug	-	-	-	-	-	-
22	22-Aug	-	-	-	-	-	-
23	23-Aug	-	-	-	-	-	-
24	24-Aug	-	-	-	-	-	-
25	25-Aug	-	-	7.77	1704	250	532
26	26-Aug	-	-	-	-	-	-
27	27-Aug	-	-	-	-	-	-
28	28-Aug	-	-	-	-	-	-
29	29-Aug	-	-	-	-	-	-
30	30-Aug	-	-	-	-	-	-
31	31-Aug	-	-	-	-	-	-

Note: Analysis shown as per sampling done by CETP on weekly basis, whether effluent was discharged or not by unit to CETP.

For

N.P. Rathod

MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)

M/s SKAPS Industries India (Pvt) Ltd. (Unit-II)

Sep-19

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD
				6.5-8.5	2100 mg/l	800 mg/l	2000 mg/l
1	1-Aug	-	-	-	-	-	-
2	2-Aug	-	-	-	-	-	-
3	3-Aug	-	-	-	-	-	-
4	4-Aug	-	-	8.21	1855	301	715
5	5-Aug	-	-	-	-	-	-
6	6-Aug	-	-	-	-	-	-
7	7-Aug	-	-	-	-	-	-
8	8-Aug	-	-	-	-	-	-
9	9-Aug	-	-	-	-	-	-
10	10-Aug	-	-	-	-	-	-
11	11-Aug	-	-	8.32	1890	284	662
12	12-Aug	-	-	-	-	-	-
13	13-Aug	-	-	-	-	-	-
14	14-Aug	-	-	-	-	-	-
15	15-Aug	-	-	-	-	-	-
16	16-Aug	-	-	-	-	-	-
17	17-Aug	-	-	-	-	-	-
18	18-Aug	-	-	8.17	1778	252	698
19	19-Aug	-	-	-	-	-	-
20	20-Aug	-	-	-	-	-	-
21	21-Aug	-	-	-	-	-	-
22	22-Aug	-	-	-	-	-	-
23	23-Aug	-	-	-	-	-	-
24	24-Aug	-	-	-	-	-	-
25	25-Aug	-	-	8.10	1801	275	705
26	26-Aug	-	-	-	-	-	-
27	27-Aug	-	-	-	-	-	-
28	28-Aug	-	-	-	-	-	-
29	29-Aug	-	-	-	-	-	-
30	30-Aug	-	-	-	-	-	-
31	31-Aug	-	-	-	-	-	-

Note: Analysis shown as per sampling done by CETP on weekly basis, whether effluent was discharged or not by unit to CETP.

For

N. P. Rathod  
MPSEZ Utilities Pvt Ltd

# Analysis Report (CETP)

M/s Mundra SEZ Textile And Apparel Park Pvt. Ltd.

Sep-19

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD
				6.5-8.5	2100	800	2000
					mg/l	mg/l	mg/l
1	1-Sep	42513.6	85.6	-	-	-	-
2	2-Sep	42599.2	86.9	-	-	-	-
3	3-Sep	42686.1	86.3	-	-	-	-
4	4-Sep	42772.4	85.9	-	-	-	-
5	5-Sep	42858.3	87.8	-	-	-	-
6	6-Sep	42946.1	84.7	8.05	1780	253	712
7	7-Sep	43030.8	69.3	-	-	-	-
8	8-Sep	43100.1	90.1	-	-	-	-
9	9-Sep	43190.2	88.0	-	-	-	-
10	10-Sep	43278.2	91.0	-	-	-	-
11	11-Sep	43369.2	81.0	-	-	-	-
12	12-Sep	43450.2	85.0	-	-	-	-
13	13-Sep	43535.2	85.7	7.94	1725	210	686
14	14-Sep	43620.9	84.3	-	-	-	-
15	15-Sep	43705.2	86.0	-	-	-	-
16	16-Sep	43791.2	83.0	-	-	-	-
17	17-Sep	43874.2	92.0	-	-	-	-
18	18-Sep	43966.2	83.9	-	-	-	-
19	19-Sep	44050.1	96.0	-	-	-	-
20	20-Sep	44146.1	86.4	7.96	1683	189	650
21	21-Sep	44232.5	87.6	-	-	-	-
22	22-Sep	44320.1	86.1	-	-	-	-
23	23-Sep	44406.2	86.1	-	-	-	-
24	24-Sep	44492.3	87.9	-	-	-	-
25	25-Sep	44580.2	97.9	-	-	-	-
26	26-Sep	44678.1	87.5	-	-	-	-
27	27-Sep	44765.6	85.6	8.10	1646	220	660
28	28-Sep	44851.2	86.0	-	-	-	-
29	29-Sep	44937.2	85.8	-	-	-	-
30	30-Sep	45023.0	86.0	-	-	-	-
31	1-Oct	45109.0					
			<b>2595.4</b>				

Note: Analysis shown as per sampling done by CETP on weekly basis, whether effluent was discharged or not by unit to CETP.

For

N. P. Rathod



MPSEZ Utilities Pvt Ltd

# **Annexure – 3**

### Annexure – 3

#### Details of Water Consumption (Apr – 19 to Sep – 19)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Apr'19	196	33	163
2.	May'19	232	45	187
3.	June'19	230	45	185
4.	July'19	200	35	165
5.	Aug'19	162	30	132
6.	Sep'19	164	31	133
	<b>Total</b>	<b>1184</b>	<b>219</b>	<b>965</b>

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

(Apr – 19 to Sep – 19)

Sr. No.	Month	Effluent collected from member units + CETP in KL	Treated water Discharge in KL
1	Apr'19	4774	4293
2	May'19	5534	4823
3	June'19	5281	5405
4	July'19	6527	6709
5	Aug'19	5740	6914
6	Sep'19	5638	6097
<b>Total Quantity</b>		<b>33494</b>	<b>34241</b>
<b>Avg. Quantity per Day</b>		<b>183</b>	<b>187</b>

# **Annexure – 4**



**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]  
MPSEZL UTILITIES PVT LTD (MUPL)  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:  
APRIL 2019 TO SEPTEMBER 2019**

**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.  
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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**

**OHSAS 18001:2007**

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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**RESULT OF CETP OUTLET**

SR. NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP OUTLET	TEST METHOD
			April-19	May-19	June-19	July-19	Aug-19	Sep-19		
1	pH	--	7.06	7.45	7.06	7.45	7.18	7.30	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	31.8	31.8	32	31.6	31.2	31.3	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	50	50	40	50	40	20	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	34	56	34	49	66	43	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	2.9	2.4	2.9	3.4	2.8	2.2	10	APHA(22 <sup>nd</sup> Edition)5520D
6	Phenolic Compound	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.50	0.60	0.75	0.56	0.5	0.36	2	APHA(22 <sup>nd</sup> Edition) 4500 F D SPANDS
8	Iron	mg/L	0.092	0.18	0.31	0.2	0.12	0.098	3	AAS APHA(22 <sup>nd</sup> Edition)3111 B
9	Zinc as Zn	mg/L	0.052	0.062	0.12	0.16	0.21	0.17	15	AAS APHA(22 <sup>nd</sup> Edition)3111 B
10	Trivalent Chromium	mg/L	0.32	0.16	0.42	0.28	0.32	0.28	2	AAS APHA(22 <sup>nd</sup> Edition)3111 B
11	Sulphide as S	mg/L	0.60	0.6	0.8	0.8	1.2	1.1	2	APHA(22 <sup>nd</sup> Edition) 4500-S
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	8	18	28	38	32	28	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	30	52	43	58	64	41	100	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	138	184	150	184	202	183	250	APHA(22 <sup>nd</sup> Edition) 5520-D Open Reflux
15	Chloride as Cl	mg/L	546	529	549	502	490	468	1000	IS3025(P32)88Re.99
16	Sulphate as SO <sub>4</sub>	mg/L	80	86	98	84	96	90	1000	APHA(22 <sup>nd</sup> Edition)4500 SO <sub>4</sub> E
17	Total Dissolved Solids	mg/L	1640	1698	1684	1398	1548	1360	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	0.6	0.5	0.4	0.5	0.6	0.8	1	APHA(22 <sup>nd</sup> Edition)4500 Cl
19	Copper as Cu	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	3	AAS APHA(22 <sup>nd</sup> Edition)3111 B

\*Below Detection Limit

**H. T. Shah****Lab Manager****Dr. ArunBajpai****Lab Manager (Q)**

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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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	02/04/2019	85.77	40.18	16.59	33.45
2	03/04/2019	74.65	36.28	14.56	30.42
3	08/04/2019	82.43	44.26	21.37	27.67
4	10/04/2019	78.61	33.37	17.55	31.27
5	15/04/2019	69.33	39.60	20.26	25.61
6	17/04/2019	80.38	49.41	18.59	32.67
7	22/04/2019	75.63	34.24	22.42	38.68
8	24/04/2019	93.37	51.61	19.31	35.65
9	29/04/2019	84.27	35.65	26.19	43.57
10	01/05/2019	86.36	53.48	25.68	46.32
11	06/05/2019	75.68	37.57	18.34	29.49
12	09/05/2019	96.21	56.39	27.51	37.46
13	13/05/2019	89.38	40.18	15.33	34.54
14	15/05/2019	93.40	54.23	19.42	38.24
15	20/05/2019	88.26	47.58	16.56	40.54
16	22/05/2019	79.63	35.45	23.60	31.56
17	27/05/2019	87.58	43.42	20.29	28.68
18	29/05/2019	78.66	38.56	28.44	44.77
19	03/06/2019	81.67	47.66	18.29	31.30
20	05/06/2019	78.25	36.53	24.48	35.64
21	10/06/2019	86.26	50.41	21.25	40.21
22	17/06/2019	80.28	43.59	14.19	34.56
23	19/06/2019	70.32	30.42	19.35	27.70
24	24/06/2019	87.52	46.25	22.97	32.60
25	26/06/2019	75.62	38.48	17.50	38.66
26	01/07/2019	71.27	36.24	25.47	46.47
27	03/07/2019	90.46	46.29	20.46	42.59
28	08/07/2019	63.47	28.67	23.44	29.02
29	10/07/2019	83.31	35.36	19.49	38.61
30	15/07/2019	76.33	42.59	21.26	27.52

Continue ...

H. T. Shah

Lab Manager

Dr. ArunBajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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WTP- NEAR CETP					
Sr.No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO2) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO2) $\mu\text{g}/\text{m}^3$
31	17/07/2019	81.24	45.67	16.39	33.54
32	22/07/2019	72.65	39.22	26.25	41.51
33	24/07/2019	70.64	32.74	24.62	37.34
34	29/07/2019	88.67	47.58	22.31	43.49
35	31/07/2019	91.25	52.52	27.58	34.53
36	05/08/2019	84.29	47.62	24.68	31.52
37	07/08/2019	68.39	36.57	18.61	36.26
38	12/08/2019	72.65	40.39	21.54	41.28
39	14/08/2019	80.21	34.53	26.27	34.23
40	19/08/2019	73.62	39.35	22.68	30.46
41	21/08/2019	86.36	44.55	19.27	37.56
42	26/08/2019	76.37	37.57	23.48	26.47
43	28/08/2019	81.54	41.26	12.38	32.47
44	03/09/2019	75.36	41.60	22.53	28.36
45	05/09/2019	80.34	48.62	24.61	32.44
46	09/09/2019	73.33	35.70	19.55	25.37
47	11/09/2019	69.25	27.68	17.63	35.33
48	16/09/2019	82.43	40.27	20.40	23.34
49	18/09/2019	77.84	33.53	25.73	34.39
50	23/09/2019	86.28	43.51	11.68	29.44
51	25/09/2019	64.30	28.76	23.41	38.67
52	30/09/2019	81.28	45.38	18.70	30.21
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)

\*Below detection limit

H. T. Shah

Lab Manager

Dr. ArunBajpai

Lab Manager (Q)

**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 CH <sub>4</sub> $\text{mg}/\text{m}^3$	Benzene as C <sub>6</sub> H <sub>6</sub> $\mu\text{g}/\text{m}^3$
1	02/04/2019	76.26	28.62	10.23	26.77	0.26	BDL*	BDL*
2	03/04/2019	46.38	24.32	13.58	23.61	0.32	BDL*	BDL*
3	08/04/2019	67.59	39.42	6.36	21.58	0.42	BDL*	BDL*
4	10/04/2019	48.38	21.55	11.28	15.62	0.54	BDL*	BDL*
5	15/04/2019	58.36	31.23	16.49	17.62	0.11	BDL*	BDL*
6	17/04/2019	63.65	37.56	12.33	22.67	0.22	BDL*	BDL*
7	22/04/2019	56.20	25.64	8.65	20.41	0.18	BDL*	BDL*
8	24/04/2019	60.25	34.22	14.46	18.39	0.29	BDL*	BDL*
9	29/04/2019	47.67	20.47	17.54	25.31	0.23	BDL*	BDL*
10	01/05/2019	69.31	41.28	13.52	29.25	0.63	BDL*	BDL*
11	06/05/2019	51.31	23.74	11.26	32.57	0.25	BDL*	BDL*
12	09/05/2019	63.23	37.84	14.64	26.42	0.13	BDL*	BDL*
13	13/05/2019	55.63	22.71	16.48	23.56	0.24	BDL*	BDL*
14	15/05/2019	80.63	38.55	12.29	19.56	0.22	BDL*	BDL*
15	20/05/2019	59.30	28.50	17.60	30.40	0.16	BDL*	BDL*
16	22/05/2019	49.66	20.39	7.82	24.32	0.33	BDL*	BDL*
17	27/05/2019	64.51	33.58	15.66	20.31	0.49	BDL*	BDL*
18	29/05/2019	57.57	29.70	10.39	22.50	0.37	BDL*	BDL*
19	03/06/2019	72.24	34.54	10.23	16.59	0.11	BDL*	BDL*
20	05/06/2019	47.60	20.39	7.53	20.55	0.18	BDL*	BDL*
21	10/06/2019	56.34	32.55	16.59	25.40	0.30	BDL*	BDL*
22	17/06/2019	50.29	25.60	15.36	26.29	0.17	BDL*	BDL*
23	19/06/2019	45.64	18.28	6.38	21.52	0.34	BDL*	BDL*
24	24/06/2019	76.54	33.30	17.54	19.24	0.14	BDL*	BDL*
25	26/06/2019	80.86	42.35	8.48	23.57	0.32	BDL*	BDL*
26	01/07/2019	52.66	22.46	11.39	23.66	0.46	BDL*	BDL*
27	03/07/2019	68.21	27.50	9.66	18.69	0.42	BDL*	BDL*
28	08/07/2019	45.35	20.56	7.55	26.56	0.11	BDL*	BDL*
29	10/07/2019	59.68	38.38	14.39	24.77	0.17	BDL*	BDL*
30	15/07/2019	71.25	32.43	10.57	16.93	0.24	BDL*	BDL*

H. T. Shah

Lab Manager

Dr. ArunBajpai

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 CH <sub>4</sub> $\text{mg}/\text{m}^3$	Benzene as C <sub>6</sub> H <sub>6</sub> $\mu\text{g}/\text{m}^3$
31	17/07/2019	61.21	28.41	8.68	20.07	0.15	BDL*	BDL*
32	22/07/2019	51.54	23.43	16.36	30.29	0.37	BDL*	BDL*
33	24/07/2019	44.03	18.61	13.38	21.16	0.21	BDL*	BDL*
34	29/07/2019	54.25	31.27	18.47	25.59	0.33	BDL*	BDL*
35	31/07/2019	65.44	34.21	15.52	20.68	0.37	BDL*	BDL*
36	05/08/2019	61.21	34.54	13.47	26.38	0.30	BDL*	BDL*
37	07/08/2019	52.30	20.51	11.47	16.58	0.19	BDL*	BDL*
38	12/08/2019	67.37	30.23	15.28	23.41	0.39	BDL*	BDL*
39	14/08/2019	50.38	28.66	12.48	20.60	0.25	BDL*	BDL*
40	19/08/2019	64.57	35.32	17.54	29.32	0.17	BDL*	BDL*
41	21/08/2019	71.28	40.29	14.57	25.37	0.33	BDL*	BDL*
42	26/08/2019	61.38	33.50	6.87	22.48	0.27	BDL*	BDL*
43	28/08/2019	56.05	25.35	9.56	17.88	0.11	BDL*	BDL*
44	03/09/2019	57.30	32.63	15.64	24.58	0.22	BDL*	BDL*
45	05/09/2019	46.39	28.70	10.58	14.59	0.27	BDL*	BDL*
46	09/09/2019	60.25	25.56	6.56	19.56	0.15	BDL*	BDL*
47	11/09/2019	59.42	16.54	11.55	22.62	0.19	BDL*	BDL*
48	16/09/2019	65.44	31.60	16.56	20.36	0.24	BDL*	BDL*
49	18/09/2019	54.21	19.56	18.67	30.42	0.14	BDL*	BDL*
50	23/09/2019	68.66	23.53	9.69	26.38	0.32	BDL*	BDL*
51	25/09/2019	74.65	34.58	12.72	23.42	0.37	BDL*	BDL*
52	30/09/2019	62.67	22.71	7.66	25.48	0.26	BDL*	BDL*
	<b>TEST METHOD</b>	IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I, May-2011)	Gravimetric-CPCB - Method (Vol.I, May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob & Hochheiser (NaOH-NaAsO <sub>2</sub> )	NDIR Digital Gas Analyzer	SOP: HC: GC/GCMS/Gas analyzer	IS 5182 (Part XI):2006/CPCB Method

\*Below detection limit

H. T. Shah

Lab Manager

Dr. ArunBajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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**RESULTS OF NOISE LEVEL MONITORING****Result of Noise level monitoring [Day Time]**

SR. NO.	Name of Location	CETP					
		Result [dB(A) Leq]					
		08/04/2019	10/05/2019	03/06/2019	09/07/2019	02/08/2019	02/09/2019
1	6:00-7:00	58.4	62.7	63.4	57.1	67.2	68.4
2	7:00-8:00	52.7	69.1	61.4	62.4	69.4	62.1
3	8:00-9:00	69.4	65.7	61.8	63.1	71.4	69.7
4	9:00-10:00	62.4	70.4	65.1	65.4	70.3	63.1
5	10:00-11:00	70.1	72.1	72.4	62.1	67.4	70.1
6	11:00-12:00	65.4	68.1	69.4	68.4	69.8	72.3
7	12:00-13:00	64.7	63.5	68.1	63.1	65.2	63.1
8	13:00-14:00	61.05	65.9	69.4	61.2	72.4	69.4
9	14:00-15:00	67.3	69.1	66.1	63.4	68.3	64.1
10	15:00-16:00	65.4	62.8	63.4	68.4	64.2	62.8
11	16:00-17:00	62.4	66.1	66.7	62.1	68.3	68.1
12	17:00-18:00	67.9	62.8	64.1	60.1	68.2	71.3
13	18:00-19:00	61.7	66.1	62.5	63.1	65.3	68.1
14	19:00-20:00	60.8	69.4	63.8	65.1	73.2	65.1
15	20:00-21:00	67.1	65.6	68.1	64.8	64.3	65.9
16	21:00-22:00	68.2	63.7	62.4	62.1	68.3	64.2
Day Time Limit*		75 dB(A) Leq					

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

SR. NO.	Name of Location	CETP					
		Result [dB(A) Leq]					
		08/04/2019	10/05/2019	03/06/2019	09/07/2019	02/08/2019	02/09/2019
1	22:00-23:00	61.9	64.2	66.2	55.1	58.4	60.4
2	23:00-00:00	58.7	59.3	62.1	61.8	60.3	62.8
3	00:00-01:00	57.1	62.1	60.4	56.7	63.4	59.4
4	01:00-02:00	61.4	65.3	63.1	59.7	61.4	62.7
5	02:00-03:00	63.4	58.4	61.4	62.1	60.4	61.8
6	03:00-04:00	58.8	63.2	60.1	65.4	60.2	60.9
7	04:00-05:00	54.3	66.2	60.8	60.4	58.4	60.4
8	05:00-06:00	53.1	59.8	62.8	57.4	59.4	62.8
Night Time Limit*		70 dB(A) Leq					

H. T. Shah

Lab Manager

Dr. ArunBajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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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]					
		12/04/2019	21/05/2019	07/06/2019	12/07/2019	26/08/2019	30/09/2019
1	6:00-7:00	49.5	55.1	55.1	56.3	55.1	52.1
2	7:00-8:00	47.7	59.4	58.4	63.2	60.4	56.4
3	8:00-9:00	58.5	62.1	60.1	66.3	59.9	63.1
4	9:00-10:00	53.4	63.4	62.4	59.3	63.4	62.4
5	10:00-11:00	59.1	60.8	59.1	68.4	65.1	68.4
6	11:00-12:00	62.4	60.4	63.4	65.2	62.4	61.4
7	12:00-13:00	63.1	61.7	62.8	62.6	60.7	60.4
8	13:00-14:00	57.3	59.4	59.4	67.3	68.4	58.4
9	14:00-15:00	52.1	63.4	61.2	67.4	63.4	60.4
10	15:00-16:00	56.4	65.1	61.8	67.9	61.5	60.9
11	16:00-17:00	64.8	61.4	60.8	72.3	65.6	63.1
12	17:00-18:00	58.8	62.8	62.4	64.4	66.1	61.4
13	18:00-19:00	60	61.5	63.4	68.3	63.4	65.4
14	19:00-20:00	58.4	63.7	61.8	62.5	61.5	62.4
15	20:00-21:00	65.21	62.4	62.8	62.1	62.8	60.4
16	21:00-22:00	63.3	60.8	65.2	65.8	66.1	60.7
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]					
		12/04/2019	21/05/2019	07/06/2019	12/07/2019	26/08/2019	30/09/2019
1	22:00-23:00	56.4	55.2	62.4	59.4	55.7	56.1
2	23:00-00:00	52.4	51.4	60.1	54.4	59.4	50.3
3	00:00-01:00	46.6	50.6	55.4	54.8	56.1	52.1
4	01:00-02:00	48.4	49.8	59.7	58.3	60.8	51.8
5	02:00-03:00	48.4	57.6	56.1	50.3	62.8	58.4
6	03:00-04:00	53.4	54.9	52.4	50.2	57.1	53.1
7	04:00-05:00	55.6	49.4	53.7	51.4	53.8	52.8
8	05:00-06:00	58.8	53.4	59.7	56.4	59.7	56.8
Night Time Limit*		70 dB(A) Leq					

H. T. Shah

Lab Manager

Dr. ArunBajpai

Lab Manager (Q)

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**RESULTS OF D.G. STACK MONITORING****14/04/2019**

SR. NO.	TEST PARAMETERS	Unit	WTP	GPCB Limit	Test Method
			D.G. Set (380 KVA)		
1	Particulate Matter	mg/Nm <sup>3</sup>	14.37	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	3.32	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	26.79	50	IS:11255 (Part-VII):2005
4	Carbon Monoxide	mg/m <sup>3</sup>	7.23	Not Specified	Digital Gas Analyzer
5	Hydro Carbon NMHC	ppm	BDL*	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. ArunBajpai****Lab Manager (Q)**

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**Minimum Detection Limit [MDL]**

Ambient Air Parameter		
Sr. No.	Test parameter	MDL
1	Particulate Matter (PM <sub>10</sub> ) (µg/m <sup>3</sup> )	10
2	Particulate Matter (PM 2.5) (µg/m <sup>3</sup> )	10
3	Sulphur Dioxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	5
4	Oxides of Nitrogen (µg/m <sup>3</sup> )	5
5	Carbon Monoxide (CO) (mg/m <sup>3</sup> )	0.1
6	Hydrocarbon (CH <sub>4</sub> ) (mg/m <sup>3</sup> )	150
7	Benzene (C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> )	2

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

Water parameter(mg/L)		
Sr. No.	Test parameter	MDL
1	pH	2
2	Temperature	2
3	Colour	2
4	Total Suspended Solids	2
5	Oil & Grease	2
6	Phenolic Compound	0.005
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 NH <sub>3</sub>	0.2
13	BOD (3 Days @ 27 °C)	1
14	COD	5
15	Chloride as Cl	1
16	Sulphate as SO <sub>4</sub>	1
17	Total Dissolved Solids	10
18	Total Residual Chlorine	0.2
19	Copper as Cu	0.01

**H. T. Shah****Lab Manager****Dr. ArunBajpai****Lab Manager (Q)**

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

**FOR**

**BORE HOLE WATER NEAR CETP  
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:  
APRIL 2019 TO SEPTEMBER 2019**

**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****OHSAS 18001:2007**

**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	
	GPS Location		N 22° 48.630' S 069° 42.393'	
	Sampling Date		20/06/2019	
1	pH	--	8.16	IS3025(P11)83Re.02
2	Salinity	ppt	3.4	APHA 2520B
3	Oil & Grease	mg/L	BDL*	APHA(22 <sup>nd</sup> Edi)5520D
4	Hydrocarbon	mg/L	BDL*	GC/GC-MS
5	Lead as Pb	mg/L	0.026	AAS APHA(22 <sup>nd</sup> Edi)3111 B
6	Arsenic as As	mg/L	BDL*	AAS APHA 3114 B
7	Nickel as Ni	mg/L	BDL*	AAS APHA(22 <sup>nd</sup> Edi)3111 B
8	Total Chromium as Cr	mg/L	BDL*	AAS 3111B
9	Cadmium as Cd	mg/L	BDL*	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Mercury as Hg	mg/L	BDL*	AAS APHA- 3112 B
11	Zinc as Zn	mg/L	0.075	AAS APHA(22 <sup>nd</sup> Edi)3111 B
12	Copper as Cu	mg/L	BDL*	AAS APHA(22 <sup>nd</sup> Edi)3111 B
13	Iron as Fe	mg/L	0.19	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	1.90	--

\*BDL: Below Detection Limit

**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 – 5**



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

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

Sample ID:266284 - Analysis Completion:01/10/2019

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
5476**

**TEST REPORT**

**Test Report No. : 5476**

**Date: 01/10/2019**

- |   |  |
|---|--|
| <b>1. Name of the Customer</b>                          | <b>: Mpsez Utilities Pvt. Ltd.(Mupl) - 10605</b>                                   |
| <b>2. Address</b>                                       | <b>: SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 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>: R.H.JIVANI,SO</b>   |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 ltr</b>   |
| <b>6. Code No. of the Sample</b>                        | <b>: 266284</b>  |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 11/09/2019 , (1505 to 1507) &amp; 12/09/2019</b>                              |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 12/09/2019 &amp; 01/10/2019</b>   |
| <b>9. Sampling Point</b>                                | <b>: ## Final Outlet of the ETP ~ From final out let of CETP</b>                   |
| <b>10. Flow Details (Remarks)</b>                       | <b>: ..</b>  |
| <b>11. Mode of Disposal</b>                             | <b>: On land for plantation/gardening</b>  |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>  |
| <b>13. Temperature on Collection</b>                    | <b>: 28 &amp; pH Range on pH Strip :7 to 8 on pH strip</b>                         |
| <b>14. Carboys Nos for</b>                              | <b>: W 2 &amp; Color &amp; Appearance :Colourless</b>                              |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                  |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	28
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.20
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5.0
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1172
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	18
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	44.8
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	79.69
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	630
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	63
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	83
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.6
12	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.1
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	1.5
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	BDL
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.026
16	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	0.0
17	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	24

**Laboratory Remarks** : Sample freeze By:682-ae\_682 Dt.: 01/10/2019



**Dr. S. N. Agravat**

**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 – 6**



# MPSEZ UTILITIES PVT LTD

Common Effluent Treatment Plant

Date:- 30-09-2019

Unit	Time Parameter	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
Screen Chamber	pH		8.18	8.19	8.19	8.21	8.18	8.18					
Equalisation Tank I	pH		7.40	7.41	7.41	7.45	7.42	7.40					
Equalisation tank II	pH		7.45	7.46	7.46	7.46	7.45	7.44					
Neutralization Tank	pH		7.81	7.81	7.82	7.80	7.81	7.82					
Aeration tank I	DO		0.90	0.90	0.90	0.90	0.90	0.89					
Aeration tank II	DO		1.03	1.03	1.03	1.03	1.03	1.03					
Guard Pond I	pH		7.82	7.82	7.82	7.82	7.82	7.82					
Guard Pond II	pH		7.88	7.88	7.88	7.88	7.88	7.88					
Chlorination ORP	Res. Cl												

## Daily Analysis

Unit	pH	TDS mg/ltr.	TSS mg/ltr.	COD mg/ltr.	BOD mg/ltr.	Chloride ppm	MLSS/MLVSS - AT ppm
Un Treated water	8.21	1612	181	305	102	680	
Clarified Water	8.1	1596	142	260	86	660	
Treated Water	7.77	1565	20	112	37	591	
Aeration tank							
Return Sludge							
Dorf Ketel	8.04	1620	78	168	56	786	
Ahlstrom	6.9	1494	222	613	204	650	
MITAP (Comm. Fac.)							
SKAPS (Unit - I)							
SKAPS (Unit - II)							


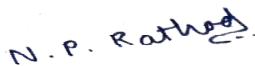
Remarks

Analyst

Plant Incharge

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

Date: 30-09-2019

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)			√	√		√	√		√	√				3
Screen Chamber Mechanism			√	√	√				√	√	√			4
Effluent Feed Pump				√	√	√	√	√	√	√	√			7
Triton Mixer				√	√	√	√	√	√	√	√			7
Triton Blower			√	√	√	√	√	√	√	√	√	√	√	10
Neutralisation Blower			√	√	√	√	√	√	√	√	√	√	√	10
Lime Dosing Mixer														
Lime Dosing Pump														
Alum Dosing Mixer				√	√	√	√	√	√	√	√			7
Alum Dosing pump				√	√	√	√	√	√	√	√			7
Poly Electrolyte Dosing Mixer				√	√	√	√	√	√	√	√			7
Poly Electrolyte Dosing Pump				√	√	√	√	√	√	√	√			7
Primary Clarifier Mechanism			√	√	√	√	√	√	√	√	√	√	√	10
Primary Sludge Drain Mixer												√	√	1
Primary Sludge Drain Pump												√	√	1
Aeration I Blower			√	√	√	√	√	√	√	√	√	√	√	10
Aeration II Blower														
Secondary Clarifier			√	√	√	√	√	√	√	√	√	√	√	10
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				√	√	√	√	√	√	√	√			7
Filter Feed Pump			√	√	√	√	√	√						5
Flow Meter Reading		Initial	Final		Diff. M3/day		Backwash		Chemical Consumption					
MITAP Line		145681	145894		213		Unit	HRS	Chemical	O/B	Recd.	C/B	Cons	
Sector 5 Line		204603	204669		66		MGF-1	1	Alum	140		132	8	
Final Outlet (MGF&ACF)		189373	189543		170		ACF-1	1	Lime	-	-	-	-	
Fresh Water Consumption							MGF-2	1	Acid - HCL	-	-	-	-	
Electrical Meter Reading					KWH/day		ACF-2	1	Poly	23		22.5	0.5	
Energy Meter of CETP		6371.14	6373.43		274.96				Sodium Hypo.	2930		2910	20	
Remarks :														
								Operator			Plant Incharge			

# **Annexure – 7**

## Details of Greenbelt development at APSEZ, Mundra

LOCATION	Total Green Zone Detail Till Up to Sept - 2019				
	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	69.53	32480.00	7298.00	68327.00	95019.00
PORT & NON SEZ	81.37	146692.00	19220.00	75061.78	61937.38
SEZ	116.60	227120.00	20489.00	220583.60	28162.03
MITAP	2.48	8168.00	33.00	3340.00	4036.00
WEST PORT	94.33	206587.00	63331.00	24112.00	22854.15
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.45	27530.00	3470.00	3882.00	3327.26
Samudra Township	55.93	53672.00	11834.00	20908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976.00	0.00	0.00	0.00
<b>TOTAL (APSEZL)</b>	<b>467.40</b>	<b>747469.00</b>	<b>127007.00</b>	<b>421615.27</b>	<b>264977.33</b>
		<b>874476.00</b>			

# **Annexure – 8**

# **CETP Maintenance Report**

Apr'19 to Sep'19

# Highlights

## Highlights



CETP Tanker loading HDPE Line leakage so welding work done.

# Highlights

## Highlights



CETP Equi. and Filter Pumps 04 no's were in stopped condition so all motor repairing and pumps servicing work done.

# Highlights

## Highlights



**MITAP area sewage transfer pump motor body earth so replaced with spare pump also its discharge line damaged so repairing work done**

# Highlights

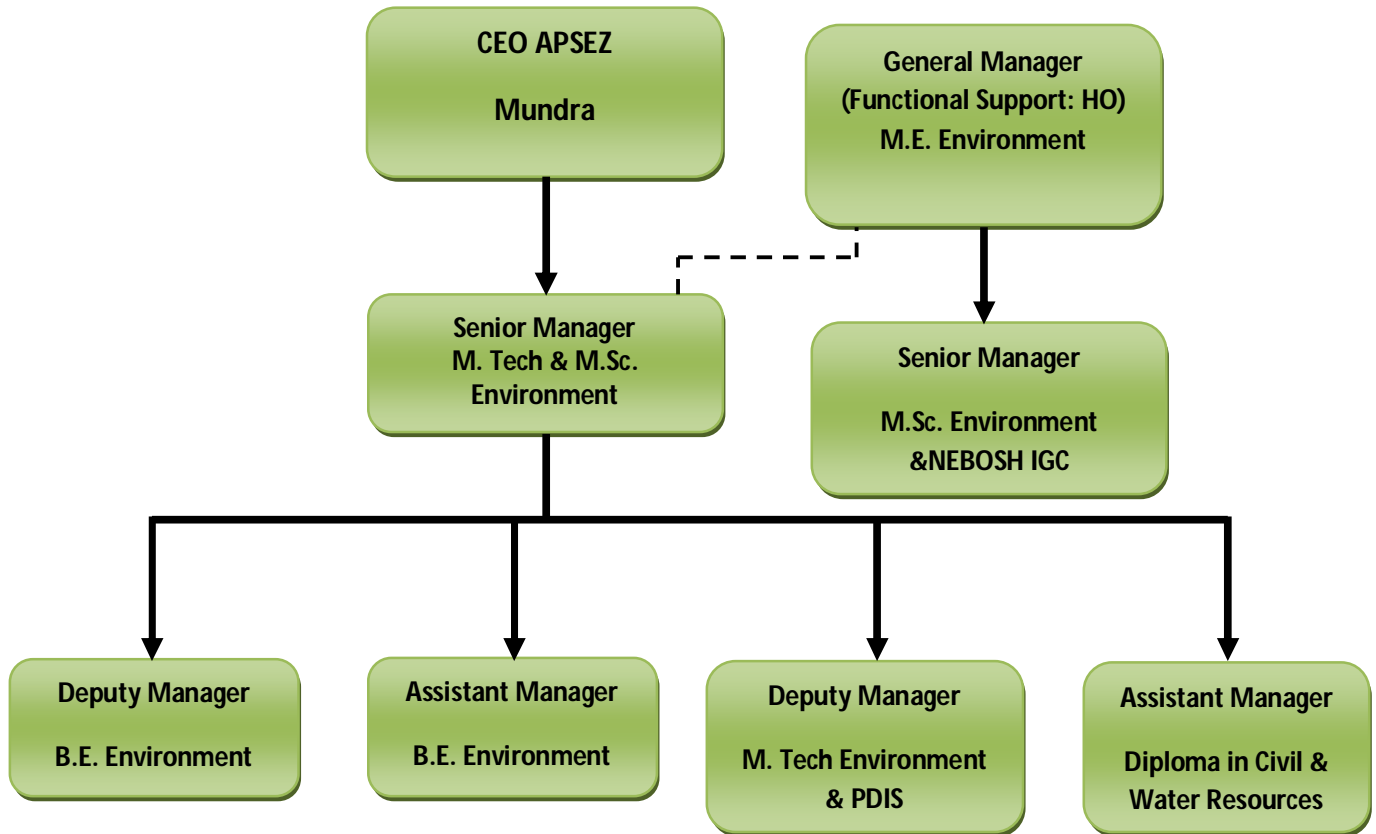
## Highlights



**CETP MGF outlet line 01 no's valve installed before flow meter to avoid revers flow of treated water.**

# **Annexure – 9**

Organogram of Environment Management Cell, APSEZ, Mundra



# **Annexure – 10**

### Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2017 – 18	2018 – 19	2019 – 20 (Till Sep'19)	2019 – 20
1.	Environmental Study / Audit and Consultancy	9.0	6.7	1.35	6.0
2.	Legal & Statutory Expenses	5.07	4.42	0.78	5.7
3.	Environmental Monitoring Services	27.02	20.36	11.23	25
4.	Hazardous / Non Hazardous Waste Management & Disposal	65.62	95.72	44.57	78.5
5.	Environment Days Celebration	2.85	0.28	3.5	10
6.	Treatment and Disposal of Bio-Medical Waste	1.13	1.21	0.68	1.5
7.	Mangrove Plantation, Monitoring & Conservation	60.0	47.0	Nil	Nil
8.	Other Horticulture Expenses	547.0	579.32	546.60	696.46
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	70.02	144.29	43.42	116.44
10.	Expenditure of Environment Dept. (Apart from above head)	102.15	109.28	75.13	102.5
<b>Total</b>		<b>889.86</b>	<b>1008.58</b>	<b>727.26</b>	<b>1042.10</b>

# **Annexure – 11**

Adani

Foundation

Education  
Community  
Health  
Kutch  
CSR  
Community  
Infrastructure  
Development  
Sustainable Livelihood  
Development

Sustainable Growth  
With Goodness



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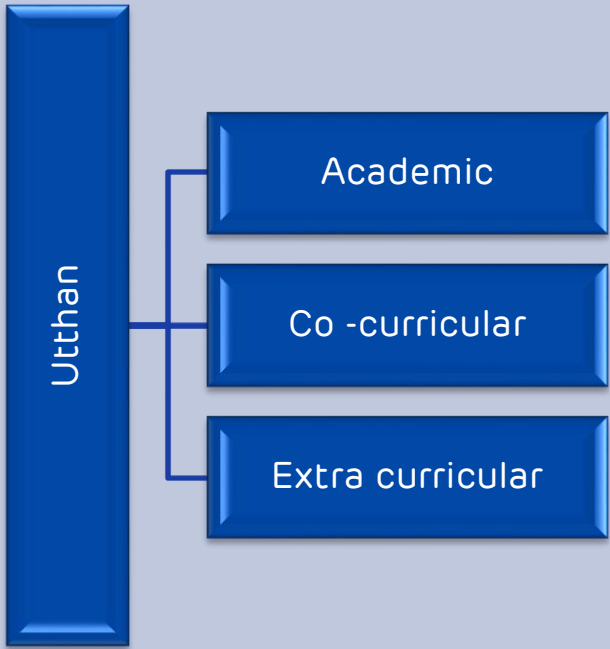
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Awards and  
Accolades

# Project: Utthan



Majority of Indians are the products of Government schools. These schools are a linchpin of the Indian educational system, accounting for 70% of Pre-Primary and Primary Schools and Secondary Schools. They have a great penetration into the very interiors of our country. We find them in hilly areas, unreachable islands, tribal areas and everywhere.

For the academic year 2018-19, Adani Foundation leveraging their experience, to intervene in Government Schools. These interventions will aim to enhance the quality of primary education in Government schools and result in around 3000 of children benefiting from a meaningful education. 17 Primary Government schools of Mundra taluka of Kutch district have been adopted to take up various initiatives aimed at improving quality in these schools. The project titled is 'UTTHAN'. In this holistic educational project we are focusing on:



## Academic

- One teacher – One school + Sports teacher + IT teacher
- 'IT on Wheel' Van with 35 laptops and computer instructor make students more tech savvy and spreading the digital and technology knowledge amongst the younger generation
- To achieve academic excellence of Priya Vidyarthi, Utthan Shikshak implies various alternative method to make their classroom more friendly and interesting.
- English is to be taught to the students from the early classes so that they will be equipped with ample resources during their further studies.
- Training cum Induction Program on various topic like teaching methodology of progressive learner, assessment pattern of slow learner, multiple intelligence etc.



## Co - Curricular

- Every Saturday Library activity with the Book issue were planned and executed in a meaningful manner
- Sports are a crucial part of a student's growth and development. Through participation in sports and games, a student gains various skills, experience and confidence. With the intervene of our Sports teacher in all Utthan Schools successfully enrolled 500+ students in Khel Mahakumbh



## Extra - Curricular

- Utthan Sahayak + 1222 students from High school & Higher secondary of 6 villages celebrate Fifth International Yoga Day
- On International Plastic Bag Free Day, Awareness were spread through Effective speech, Soft board decoration, Video and Newspaper clipping in all Utthan school.
- Celebration of Gurupurnima in all Utthan Schools during morning special.
- 363 students from 17 schools got an opportunity to visit Adani West port. Main port , Willmar, power & power through project Udaan.
- Tree plantation in all the Utthan School. Adani Foundation align with the circular passed by the Government of Gujarat "Ek baal Ek Jhhad" distributed 100 trees in each school. Students not only planted the trees in fact they adopt each tree with giving their own names.



# Adani Vidya Mandir Bhadreshwar



**provide "cost-free"** education to meritorious students coming from challenging economic background, who have priceless treasures but have been under achievers due to situation. In year 2019-20 450 students are studying.

## Activities Covered

- Science Fair – Block level
- Drawing Competition under the P.C.R.A. National level competition
- Assembly on every Saturday.
- International Yoga Day Celebration
- Guru Purnima celebration
- Independence Day Celebration
- Teacher's day Celebration
- Children's Day Celebration
- Educational Tour for each standard
- Festival Celebration
- Awareness Street Play organized at various villages



92% - Result SSC Board Exam

Shala Pravastosav of Std.-1 Students



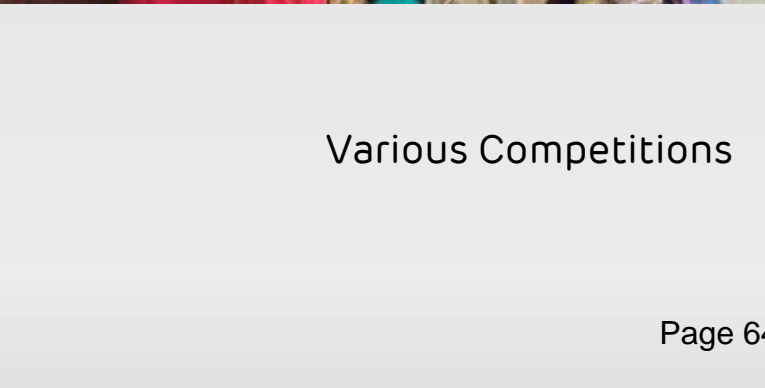
Parents Teachers Meeting



Healthy Food



Festival Celebration



Various Competitions





With a vision to familiarize, educate and inspire the future generations, Adani Foundation organizes Education Exposure visits to Mundra for High schools and educational institutes in Various parts of Gujarat.

250 institutes and 15,329 beneficiaries have made inspirational visit during this six months



# Community Health

Health is the basic need for development of community. Adani Foundation focuses on ensuring good health for better contribution to growth and progress and improving access to quality healthcare service in remote area.

## Rural Clinic & Mobile healthcare unit



### 11 Rural Clinic

8 from mundra 3 from Anjar block treated ;  
**10889** patients.

**31 villages** covered through Mobile healthcare unit  
**7902** patients benefited during six month



**19 General Health Camp** conducted -  
12 General & 7 under Utthan project ;  
**2873 patients** treated



# Community Health



**206 Dialysis patients**

**498** Needy patient benefited through Medical support Total amount of support is **Rs.4,02,201/-**



**Sr. Citizen project**  
**8672 Card holders of 68 villages** get benefit under this project .  
4713 sr. citizen patients benefited during six month  
30000 limit for three year per patients



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

First Medical College of Kutch district based on PPP model. It started from 2009.

Affiliate with "Krantiguru Shyamji Krishna Verma Kutch University"

**750** bed – Largest Multi Specialty Hospital in kutch

Adani Foundation Team has initiated coordination with GKGH hospital and established a reception area for the smooth patient coordination and preparation for the social networking Programme.



# Health - Bhuj

3075 Beneficiaries of 27 General Health camps.

2629 Golden card enrolled in 18 Health camps in Interior villages & Mahiti Setu as well.

322 death bodies Reached at various locations of Kutchh with dignity and respect.

258 Poor patient supported in GKGH(Rs.2,84,321/-)

4242 People helped through Mahiti Setu for various government schemes

37450 Patinets benefitted though 11 camps towards Mata Madh



Celebration of various days like - World No tobacco day, Kargil Vijay divas, Health week on independence day, 5 years completion ceremony of GKGH, Teachers day,



## Awareness for Health & hygiene



## Mahiti setu



## Support Poor patient



## General Health camps



Arogya Saptah (7<sup>th</sup> – 14<sup>th</sup> August 2019)



Adani foundation, Adani Hospital and GAIMS have Jointly Celebrated "Arogya Saptah" 8th to 14th August-2019 in Respect of 73th Independence of our country. Celebration included multi specialty camps, Workshops, truckers health check up, surgical camp on foundation day and adolescent fair at different part of district. Collector, DDO, Minister, MLA and other dignitaries from NGOs had remained present. Objective of the program was to avail health benefits at GKGH and also at Adani Hospital Mundra and Approximately 4500 people will be direct beneficiaries of the program.

Day	Date	Event Name	Beneficiaries
1	07/08/2019	Health check up at Orphan age, Bhuj	101
2	08/08/2019	Blood Donation Camp, Nakhatrana	55
3	09/08/2019	Pregnant Women health check up, Madhapar	50
4	10/08/2019	Surgical Mega Camp, Khavda	223
5	11/08/2019	General Health Camp, Palara Jail	139
6	12/08/2019	Ayushman Health Card Enrolment, Gorevali	52
7	13/08/2019	Awareness on women health, mukt jivan college, Bhuj	250
8	14/08/2019	Blood Donor Appreciation	36



## Fisherman Education

To strengthen the standard of pre-primary education, Adani Foundation has constructed 4 BALWADI at different fishermen helmet Which focuses on the development of basic age-appropriate learning concepts, discipline, regularity, awareness of health & hygiene, cleanliness and also provides nutritious food.

125 children are benefiting from this scheme



115 students are getting benefit of vehicle transportation support from different Bandar.

## Vidya Sahay Yojana

100% girls      80% boys

providing **scholarship support** to motivate and encourage fishermen boys and girls for higher education

**Book support** : 49 Fisherman Students of Higher Secondary Standard (9 to 12) has been benefitted



## SLD Fisherman



65 Teams

13 villages

750 Fisherman youth`

### "Adani Premiere League"

Cricket Tournament organized among fishermen community to promote healthy sportsmanship ,and harmonically transparent community relationship

## Awareness Program

Facilitation of Government Fishermen Welfare

Vessel Approach Related Message Intimation to Fishermen.



4 Fishermen VAsahat

983 Families

70000 ltr water per day`

potable water provided to the fishermen communities at different vasaht through water tanker



Sea Weed Culture

Sea Weed Culture is going on. Seed bank preparation is going on under guidance of VRTI.



4300 Man-days

Mangrove plantation at Hamira mora site .

Bio diversity Project:-

Project started with two spices of mangroves which has good survival rate & Plantation at site – 70 % Survival  
Total 4 Hector Plantation.



- The organization has carried out remarkable activities in the agricultural and animal husbandry sectors. We have initiated Programme for Awareness of Farmers in collaboration with KVK. The outreach is approximate 200 farmers of 7 villages
- The purpose of this project is to initiate village wise integrated agricultural & allied development for sustaining agriculture and socio economic situation of farming community of Mundra block.



# Sustainable Livelihood Development

After periodic discussions with Village Development Committee, Gram Panchayat and Gau Seva Samiti of Siracha – Adani Foundation had coordinated for Village Gauchar Development. Total 85 Acre Gauchar Land was approved by GP for Development by decision taken in Gram sabha . Among them 22 Acre land Has been Sowed with Sorghum and Remaining land would be Grow with Wild Grass

## Siracha

22 Acre – 88000Kg Sorghum

63 Acre- 63000Kg Wild Grass

**Total 85 Acre= 151000KG**

Bhadreshwar @ 7 Acre= 28000Kg

Kukadsar @ 15 Acre= 60000Kg

## UTTHAN MODEL VILLAGE DEVELOPMENT PROJECT



## Implementation Process includes

- Meeting with Village Development Committee
- Meeting with SDM for Gauchar Land Details



# Sustainable Livelihood Development

With the Objective of to Preserve the rain Water to reduce the Impact of salinity and Recharge the Ground Water (the Main Source of water) to facilitate the Agricultural activities as well as For Drinking water.

Under **UTHHAN MODEL VILLAGE PROJECT**. Salinity ingress issue is well taken with Pond Deepening, Recharge Borewell technique and Roof Top Rain Water Harvesting.

RRWHS: 54

Bore Recharge - 75

Well Recharge- 31

Pond Deepning- 2

Total Ground Water Recharge

- 1878140 cum



## Tissue Culture

### UTTHAN MODEL VILLAGE DEVELOPMENT PROJECT



Date is the Amrut Fal of Kutchh and Mainly best quality available in some villages in Mundra Taluka. To maintain quality uniformity Adani Foundation is planning for cultivate 4000 tissue cultured plants of elite varieties to the farmers of project area.

Registration is in progress for Farmer's Producer Company with NABARD – 220 Farmers had registered for the same.



## WOMEN EMPOWERMENT

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

**Aaarambh SHG "Suf"  
Handicraft Cluster  
Seven Women from  
Pragpar village are  
doing embroidery  
and one women from  
Mundra is looking  
after design part.**

Total Sale more than **Rs.3.50** Lacs and  
women are getting approximately  
**Rs.8500** per month.



# Women Empowerment

## Tejashvi Saheli

3100 School bags for the Students 300 wall hanging for the project of Swachhagraha and 170 Uniform Pair to the Students of Balwadi.



## 24 Nos of Women got employment

6 women got Job in Britannia Company (Rs.7500/- per month), 9 women got bank sakhi Yojana, 9 women working in various field in SEZ and other companies



## Water Conservation Works



- Pond deepening work in Baroi, Luni & Zarpara villages
- Mota Bhadiya Check Dam desilting work
- Lakhpat Godhatal dam desilting work
- Mota Bhadiya artificial bore well recharge - 2 no's



## Protection Compound wall at Navinal Village



## Garden Development Hanuman Temple - Baroi



## Fixing of street light

30 LED Street light Bhopawandh  
20 LED Street light Mundra  
50 LED Street Light at Bhorara



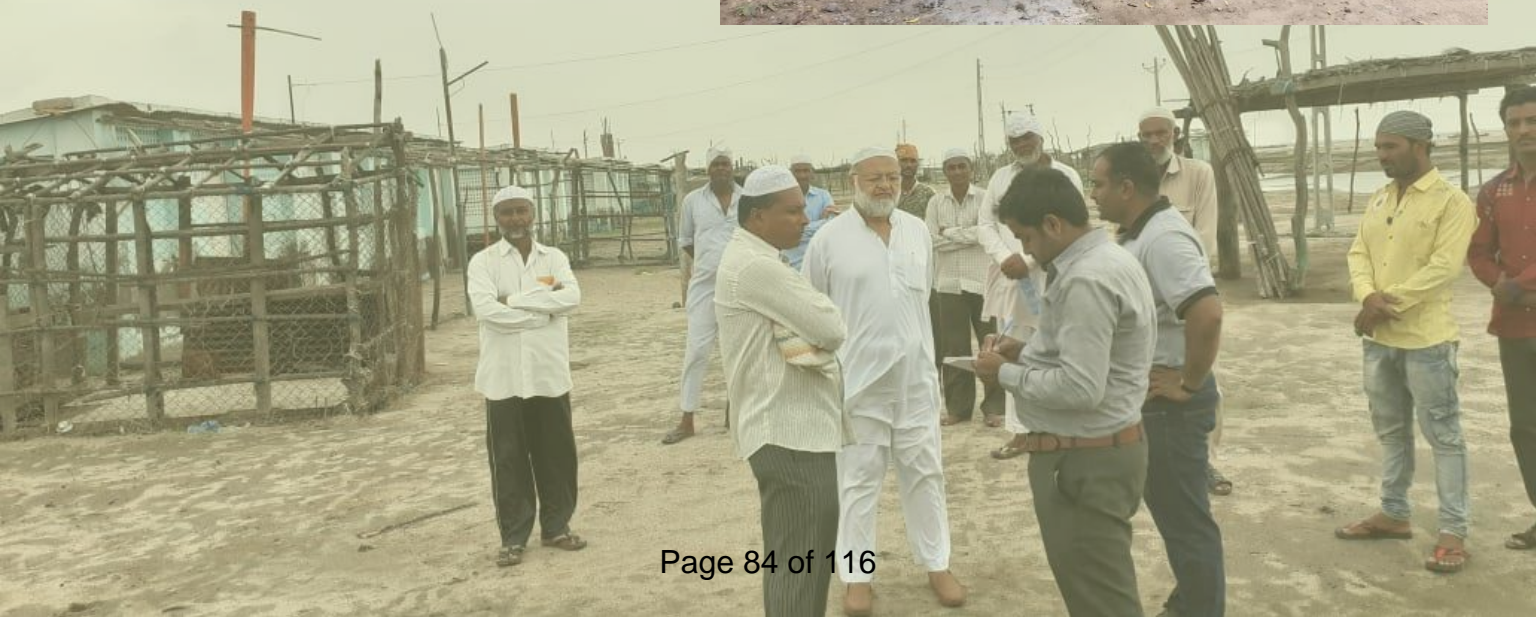
# Community Infrastructure Development

- Construction of Prayer Shed at AVMB
- Garden Development work at- Bhujpur Village.
- Construction of R.O. Plant Room at Primary School sadau Village
- Drainage maintenance.
- Renovation of ITI at Mundra work in Progress.



Work In progress

- Renovation of Bavadi at Bavadi Bandar
- Development of Community Training Hall at Mundra & Goyarsama
- Fisherman Room at Navinal & Zarpara Vasahat



# Adani Skill Development Centre

Adani Skill Development Centre is providing various employment-oriented trainings to the young for become self-reliant, responsible and active citizen.

ASDC is tied up with Pradhan Mantri Kaushalya Vardhan Yojana and Deen Dayal Upadhyaya Grameen Kaushalya Yojana.



Total No of trainee 643

Total No of batch. 33

Digital Literacy 345

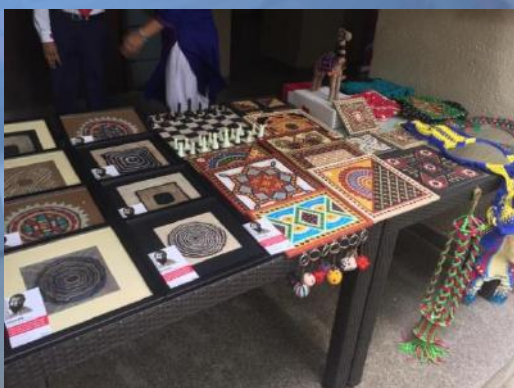
Beauty Therapist 100

Self Employed Tailor 22

Junior Operator Crane 60

Excel training 11

RTG Crane Operator 24

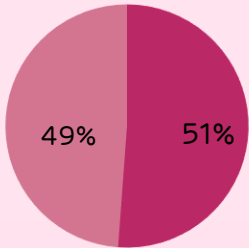
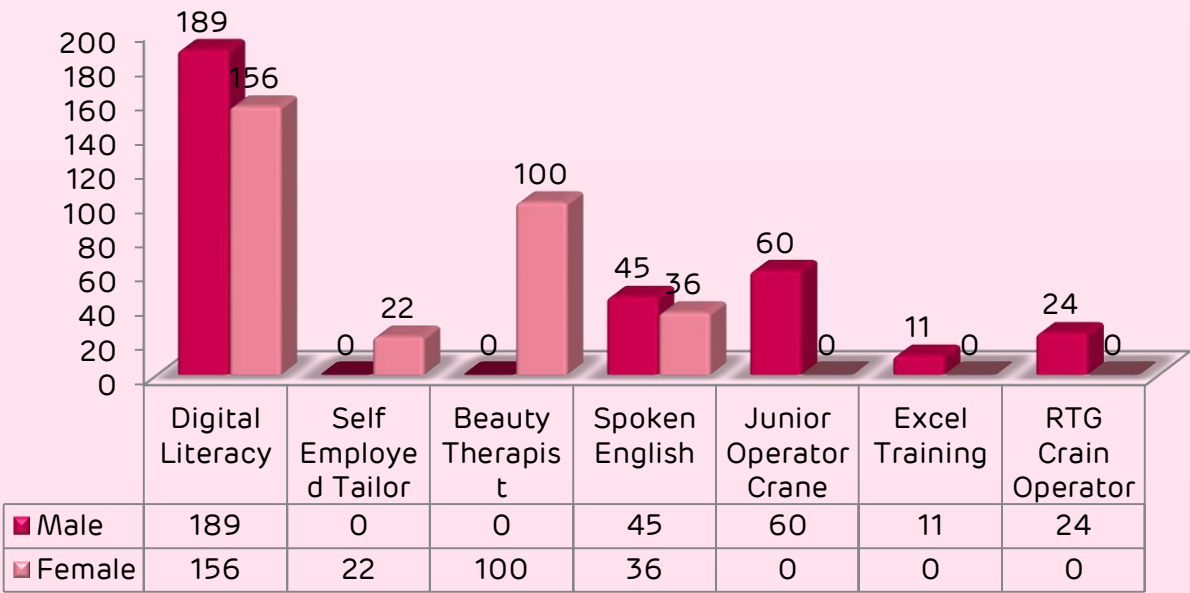


# Adani Skill Development Centre



- 42 candidates passed out of 43 people of PMKVY Junior Operator Crane training.
- 21 candidates working in various company with 8000-15000 PM.
- 26 students got job in various company
- 48 women self employed.
- Spoken English class.
- Mobilization activities for SC batch in various village and collage

## Completed & Running batch (April to September 2019)



# Adani Skill Development Centre

## Recognition of Prior Learning (RPL)



RPL recognizes the value of learning acquired a formal setting and provides a government certificate for an individuals skill.

Candidates received an accidental insurance coverage for three years at free of cost.

Certified 27 assessor, 19 Trainer and 08 Assessor.

Started first loader-Unloader job role in Port.

Total Candidates registration 550

ASDC Mundra team received award for Best Center - Unique Initiatives



Another milestone reached on 12th Sep 2019, ASDC launched its program for schedule caste in the state of Gujarat. This program will train candidates in various vocational training educational course like Self employed tailor and Beauty & Wellness. Total 135 women/Girls participated in this training. This course is sponsored by Department of Social justice and Empowerment .



# Adani Skill Development Centre

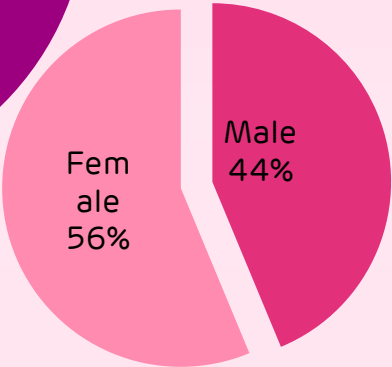


## Skill Development Training Program for Schedule Cast Beneficiaries

1440 SC beneficiaries from Eight Taluka of Kutchh.

- Hand embroidery
- Self employed stitching
- Mobile Repairing
- Beauty parlor
- Crane operator

Inauguration in presence of Mr Vinod Chavda (MP, Kutchh and Morabi) Mrs Lata Solanki (Pramukh, Nagar Palika,Bhuj) Mr Rohit (District Social Justice and Empowerment ), Mr Jatin Trivedi (Head, ASDC)and Mr solanki (Chairman, social justice committee Kutchh) we're present



460 Training Completed at Centre

441 Training completed outreach

Sr No	Job Role (Write Full Name of Job Role)	Female	Male	Total
1	General Duty Assistant	86	38	124
2	Digital Literacy	239	313	552
3	Spoken English	113	40	153
4	Beauty Therapist	38	0	38
5	Tally erp.9	31	3	34
	Total	507	394	901



# Suposhan



## Community Engagement and other Activities

1	No of Sangini	25
2	Total Village Cover	45
3	Total Anganwadi Cover	76
4	SAM to MAM Monitoring Progress	9
5	MAM to Normal Monitoring Progress	20
6	Focus Group Discussion	1111
7	Family Based Counselling	310
8	Village level Events	57
9	Formation of women's groups	15
10	Formation of adolescent's Groups	14
11	No of SAM children referred to CMTC	15
12	No of SAM children provided with EDF	10
13	Total HB screening - RPA	1086
14	Total HB screening - Adolescent girls	1161
15	Total Anthropometric screening	6268
16	Total Family Cover	9038
17	"NATIONAL NUTRITION month Celebration"	1551
18	"WORLD BREASTFEEDING WEEK"celebration	500
19	SuPoshan Melawa	140
20	World menstrual Hygiene Day celebration	220

The objective of the Project is to reduce occurrence of malnutrition and anemia.

create awareness about malnutrition and anaemia 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.



## Swachhagraha



Adani Foundation has launched project "Swachhagraha" Swachhata ka Satyagraha in the year 2015, to support the 'Swachh Bharat Abhiyan'. Falling in line with our Honorable Prime Minister's call for a Clean India, we launched this mass movement towards making our Nation litter free.



Swachhagraha at Kutchh

4 City / town

266 Schools

266 Prerak trained

5000+ Dal members

# Swachhagraha



Swachhagraha  
Wall



Toilet  
Etiquettes

Safai  
Ke Sitare



Personal  
Hygiene



Large Scale  
community events



Swachhagraha  
Oath



Activities of Swachhagraha

Adani Kandla Bulk Terminal Port Limited is joint venture of Adani Ports and SEZ Limited as well as Kandla Port. We are going to implement drainage pipeline for Tuna and Wandi with participation of Kandla Port in current year. Survey is done and work will be started soon..



- In Rampar and Tuna Village We are providing Fodder in summer season. Also guiding farmers for modern farming techniques for Organic Farming and sustainable Agriculture
- Praveshotsav Kit is distributed in 8 schools covering 180 Students in Tuna and Surrounding seven villages.. Our efforts were appreciated by community.
- Adani Foundation is bridging the gap between Government Schemes and Beneficiaries. In this Six Months we could able to support 5 widows and 4 differently abled to avail benefits of Government. Tree Plantation and 4 health camp was organized in Tuna and Rampar Village.



# CSR Nakhatrana

As a Part of Integrated Development of any Rural area – Education is the most powerful weapon. Keeping in mind, Utthan Education Project will be start after November at 8 Schools of Nakhatrana.

During Primary Information collection, we received warm welcome from Principals and Government Officials. .

Adani Foundation has initiated UTTHAN programme in Government schools. The programme converges the four pillars of education seamlessly: Students, Teachers, Guardians and Infrastructure.

The Project Relates to Adani Green energy Limited – Mainly Windmills project. First phase is completed.

Adani Foundation is also planning to implement Uthhan Model Village Concept and Bio Diversity – Peacock Conservation will be planned in next Budget.

From Current year We are implementing UTHHAN EDUCATION PROJECT in Eight Schools of Nakhatrana



# CSR Lakhpatt

Successfully  
completion of  
Public Hearing  
without any  
hindrances

Most of the population of Lakhpatt Depends upon Livestock for their livelihood. Fodder is the prime requirement of them. Adani Foundation had distributed Jovar seeds after considerable rain to 260 Farmers to motivate them for sustainable Livestock development.

## SLD Projects

Total 260 Acre = 2000000Kg

Kapurashi @ 130 Acre= 520000Kg

Koriyavi @ 105Acre=480000Kg

Maundhvaity @25 Acre= 100000Kg

## Education Support

Music Kit – 4

Sports Kit - 4

Carpet – 4

Provided to Govt. Schools of  
Kapurashi, Koriyani and Mundhvay

## Linkages with Govt. Scheme

Wheelchair support – 2

Tri cycle support - 3

Divyang Form – 2

## Health

Every Friday Specialist Doctor  
from GKGH are regularly serving  
at CHC Dayapar. More than 250  
beneficiaries per month



# CSR Bitta

Under Adani Solar Limited – 40 MW Solar Panel Power Unit is Situated at Bitta Village in Abdasa Taluka. We are providing Fodder Support and Health Camp Facilities at Bitta. Our Suposhan Project is running successfully at Bitta.. .

Adani Foundation has taken Eco Friendly initiative for whole village. Village street lights, School and GP is provided Solar Panel to save electricity. The unit was conceptualized and implemented by Solar Team.

Under “Sujlam Suflam Jal Abhiyan” Two Pond Deepening was carried out and got appreciation letter from District Magistrate.

As Abdasa is water scared region and very less rain in past years , as per humble request of villagers Adani Foundation has provided 1,13,750 Kg Fodder to Bitta, Dhrufi and Moti Dhrufi village.

Praveshotsav Kit is distributed in 8 schools covering 47 Students in Bitta and Surrounding seven villages.. Our efforts were appreciated by community.



## Employee volunteering

- Medical Camp – **23**
- Senior Citizen Home – **17**
- Blood Donation Camp – **1174**
- Plastic Free campaign – **251**
- Bio Diversity – **4**
- Joy of Giving – **13**
- Yoga Day - **538**
- Total – **2020**



Adani Group is deeply involved in all round social and economic development of the areas in and around Mundra. Adani EVP is context driven and employees have taken part in teaching, Medical Camps, giving impetus to national Swachhata Mission and blood donation. The journey continues





### **Suf Handicraft : Conserving "VIRASAT" of Decades**

Parvati Ben's earliest memory of stitching delicate handicrafts is from when she was as little as 5-years-old. Since then, she has followed this art with an immense dedication that shows through her intricate and precise handiwork.

Parvati is a resident of Pragpar-2 village. She lives in a house with 5 other people and is the sole breadwinner. Even so, Parvati is a humble, loving and welcoming individual.

Parvati Ben had been practising her intricate Suf handicraft all along, making scarves, table cloths, garments and more for her fellow villagers and the occasional visitors. Her artwork had consistently been worth more than what she sold it for- her only desire being that her art finds an expression, a space in the world, however small it may be.

One day, Adani Foundation discovered this diligent, rigorous woman. Parvati Ben now works on projects brought to her by Adani Foundation and is hence able to sustain her entire family on her own. She has risen to be an aspirational figure, looked upon as a role model by her fellow village women. Parvati Ben is playing a major role in now setting up a federation for the village women across Mundra district to practise their handicraft work and earn a livelihood.

But more than all the titles and positions, what Parvati Ben deems sacred is the sheer recognition of her art. All she ever wanted was to be known as an artist and now she is the voice of this very own art, inspiring dozens of women like her to become independent.



### Healthy children become happy children

Under the initiative of Balwadi at Vasahat (doorstep Early age Education for less Fisher folk), special awareness camps are organized for kids in school in order to imbibe health seeking behavior in the next generation. Various awareness activities based on healthy living are taught to them such as hand-washing steps and healthy eating habits so that they actively participate in adopting methods for personal hygiene in their daily routine.

Yamina is one of the student of Balwadi. She is five years old. Earlier she used to come to Balwadi without taking bath or hair combing. But after regular awareness camps for mother and students now she is coming well dressed and clean – due to maintaining personnel hygiene she remains healthy too..



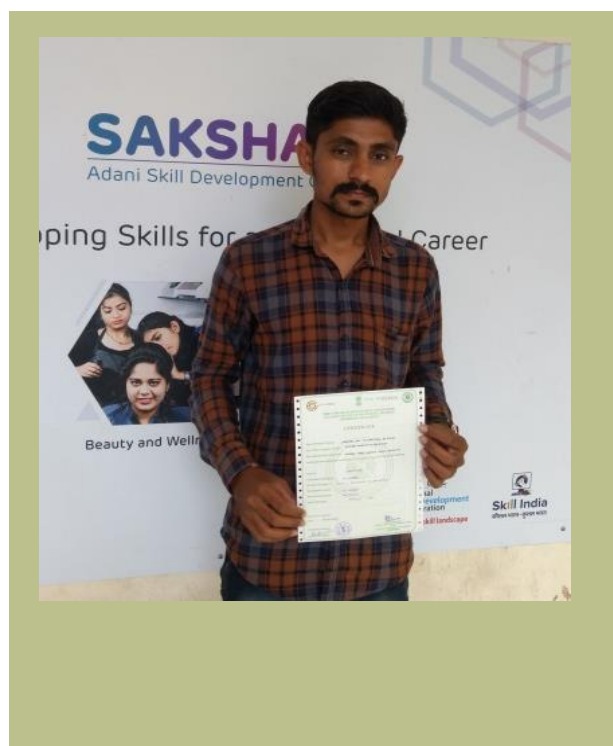
### **Every Dark Cloud has Silver Lining**

Ms. Ramila Maheswari belongs to village Dhruv. Her father's occupation is farming. She has completed graduation and was searching job but lacking in computer operation skill.

Ramila says one of my friends suggested me to join digital literacy training at Adani Skill Development Centre, Mundra. I visited the center with my friend and joined class. I sincerely attended all classes of the course and learnt basics of computer operation viz; Typing, Paint, MS Office (word, Excel, power point), shortcut Keys and using internet for web browsing like; Gmail, Paytm, amazon, net banking etc.

She is saying with smiling on face that

"Today, I am working with firm "YASH ENTERPRISE" in Nana Kapaya, Mundra as a customer care executive and earning Rs. 7000 per month. I am really thankful to Adani Skill development Center to make 'SAKSHAM'.



### **Pathways towards bright future !!**

Kripalsinh Jadeja comes from Hatadi, Mundra with a family of 5 people, four elder brothers and parents. His father is a farmer and mother help him in farming. The brother is working as truck driver. The economic condition of the family was very poor.

Kripalsinh has completed 12th and was searching job. The team of ASDC Mundra had mobilized in the area where he stays and through which he got to know that Adani Skill Development Centre (ASDC) is providing training for checker-cum-RTG crane operator and this was his dream job.

He performed well during the training and understood how this training would help him to grow in future in the field he desires. He was regular to the classes and always eager to know the process well and he performed well during all the activities.

Kripalsinh says he gained back his confidence after starting the training and was motivated by the trainer to participate in all activities and grab any opportunity where he can showcase his skills.

He says that he got more support by getting additional training of soft skills, public speaking, professional manners and facing interviews with confidence.

While undergoing the ASDC training Kripalsinh never imagined that this additional knowledge and skill up gradation would bring him a bright future.



### My Emotional Support

*Adani Foundations' Senior Citizen Health Card is like a cure to our emotional, physical and psychological problem; in the times when we are completely lonely and handicap at age."....Says both of them while weeping.*

Every human being has specific periods of the life wherein the childhood is for fun and the adulthood is spent for the family; remains old age to take care of health

Adani Foundation is holded hands of the senior citizens of Mundra Rajendrasinh and his wife stay alone. Their son and daughters stay separately. They earn their living by grazing cattle. he is having severe arthritis and respiratory disorder. The source of income is very meager and that to dependent on rain. He had to borrow money from family friends or at times take on interest for taking basic treatment. His wife Shantaba also has blood sugar and hence she also requires medical assistance at times. The couple took Adani Foundations' Senior Citizen Health Card in 2015 by which they are able to save good amount, which was their medical expense every month



**Can any other  
relationship be as  
beautiful?"**

When you grow old, loneliness is sometimes more painful than physical sickness. During routine visits of Dr Mukesh Parmar – Medical Officer of Medical Mobile Unit in the community as a health volunteer, he met Rahomat Ba (grandmother in Gujarati) who initially appeared as an introvert. She lives in Gundala Village. According to her neighbors, she confined herself within the four walls after her husband's demise. Despite living with her children, she is often seen sitting alone in the corridor of her house, as the family members are apparently busy with their own lives. Financially strained, she refrained from visiting a doctor due to fear of their exorbitant fee.

Mukesh bhai was determined to not only get her to our mobile hospital, but also cultivate a health seeking behavior in her. He would keep on standing outside her house till the time she didn't agree to listen to my request. Do you know something? Ba is his best friend today. They not only share our secrets with each other, but also counsel each other as a mother and a son. Can any other relationship be as beautiful?"



### **Good Human Beings are Gods Incarnate**

While many people talk about water crisis and drought in Kutchh, Rambhai Gadhavi of Zarpara has practically found and tried a solution to it and that is water conservation. Born into a poor farmer's family, he faced water problems in childhood and used to wake up at wee hours to fetch water, which inspired him to find ways of water conservation. Under Guidance and Support of Adani Foundation He practiced non-irrigation agricultural methods as solutions to water crisis which causes drought, thereby leading to Indian farmer suicides every year.

He did Bore well recharge and Farm Bunding to increase capacity of ground water through rain and to prevent run off. Not only that, he gave guidance to other farmers to accept water conservation practices.

Rambhai and his wife Veerbai's enthusiasm is remarkable in micro irrigation, fodder cultivation and Recharge activities. They are real change makers of "Sustainable Agriculture Projects" of Adani Foundation

### Every drop that matters!



Kutchh district is a dry temperate zone and rainfall is negligible. Water requirement is met through the reservoirs in which the water decreases during summer months when crop is standing in the field. Whatever irrigation was provided resulted in soil erosion leading to loss of huge quantity of soil every year thereby increasing the farmer's problem in producing good quality crop. Therefore, usage of water and land is to be done sensibly by the farmer. Muljibhai The farmer of Navinal Village attended awareness programme of micro irrigation and organic farming organized by the Adani Foundation and showed interest in adopting the same. He was given every suitable help in subsidy and was persuaded into adopting drip irrigation for field crops.

Not only this, with support of DRDA and Adani Foundation he had adopted Bio gas which is utilized for cooking and organic fertilizer as well.

With the help of drip system, the Muljibhai was able to diversify towards different Horticulture crops like Pomegranate, Jamfal, chikoo etc. in addition to traditionally grown crops like Cotton and Caster.

As a result, he is able to get 40-45% higher yield as compared to flood irrigated crops. Diversification has helped in improving returns from the same area.



### Giving Back to the Society

Sharad Sharma is Plant head of Adani Wilmar Limited since six years. During Review meetings he came to know about activities of Adani Foundation. He asked Adani Foundation to start health camps near Wilmar Workforce settlements.

Before three years, when Adani Foundation organized first health camp under dignity of workforce – he came during inauguration. He discussed various issues of workforce during camp and being generous and sensitive – he took a decision to do some concrete work for the workforce.

He started visit of labour vasahat once in a month for interacting with them regarding various issues i.e. deaddiction, sanitation, health issues and education of children. Due to his support, We could able to start “Joy of Giving Week” twice in a year.

Not only this, his wife has also extended great support for Education and Joy of giving Week. In spite of being always occupied Sharad ji is volunteering as a proud adanian.

Adani Foundation is feeling proud to have employee volunteer like Shard Sharma – one of the HEROS AT WORK.

## જુવન જુવવાના દરવાજા ખૂલે

મુજના એક ૨૨ વર્ષના યુવાનની કથા બેકારીના રોદણા રોનારા યુવાનોને પ્રેરણા આપે છે. બાળપણમાં જ, લગભગ બે વર્ષની વયે જ જેને થેલિસિમિયા મેજર હોવાની ખબર પડી હતી, તેવા નખત્રાણા તાલુકાના નાનકડા ગામ દેસલપર(ગુંતલી)ના રાજુ કરસન ચાવડાની સારવાર તો તેના માતાપિતા પોતાના ક્ષમતા મુજબ કરાવતા હતાં પરંતુ દસ વર્ષના રાજુને લઈને માતાપિતા ચોટીલા દર્શન કરવા ગયાં તો ત્યાં ગમખવાર અકસ્માતનો ભોગ બન્યાં ને



માતાપિતાને કાળે છીનવી લીધાં અને રાજુને પગમાં કાયમી ખોડ આવી. અનાથ બનેલા રાજુનો સહારો તેના માસી બન્યાં. બે વર્ષ તેમની સાથે રહ્યા બાદ રાજુ એક ચાની રેંકડી પર નોકરી કરીને પેટિયું રળવા લાગ્યો, પરંતુ આશરાનો સવાલ તો ઊભો જ હતો. ત્યાંના શેઠે તેને બહેર શૌચાલયમાં નોકરીએ રખાવ્યો. આશરો મળતો હોવાથી રાજુ ત્યાં કામ કરવા તૈયાર થઈ ગયો. રાજુ કહે છે, 'મારો પોતાનો કંઈ વિશેષ ખર્ચ નથી. મને રોજ ટિફિન મળે છે, એટલે જમવાનો ખર્ચ થતો નથી. રોટરી ક્લબની સહાયથી જી.કે. જનરલ હોસ્પિટલમાં દર મહિને મારું લોહી બદલાવાય છે. દવા પણ મને નિ:શુલ્ક મળે છે. આમ મારું જીવન ચાલ્યા કરે છે. કોઈ સામે હાથ લાંબો કર્યા વગર જીવાય તેને ભગવાનના આશીર્વાદ ગણું છું.' કામ નથી મળતું કહીને નિરાશ થનારા યુવાનો માટે રાજુ ખરેખર પ્રેરણાસ્ત્રોત સમો છે. ■

## True Warrior : We Salute

This is the story of Raju residing at Desalpar village of Nakhatrana Taluka. He is lesser blessed child of the almighty as he got Thalassemia Major and needs blood transfusion regularly.

Not only this - he lost his parents at the age of 10 in accident. He started work at tea stall for bread n butter for two ends meet. Then he started work at public toilet with the help of Village leaders.

In all this miseries - he says with smile that due to GKGH Hospital he could elongate his life span.

Every Month blood transfusion and free medicine n guidance by thalassemia ward by Rotary saved his life...

We salute this warrior and wish him best wishes.

# World Environment Day

World Environment Day was celebrated in Five Talukas by different activities related to conservation of Environment. These Events were organized in coordination with DDO, TDO, SDM and Village Leaders of all Five Talukas. The activities Tree Plantation, Check dam Augmentation work, Inauguration work of Godhatal Dam Deepening work.



555+ Tree  
plantation  
in Bhuj,  
Mundra &  
Nakhtrana  
Taluka



9000+ cum  
Augmentation  
and deepening  
work of check  
dam in Mandvi  
& Lakhpatri  
Taluka



## International Coastal Clean up Day



Mundra Adani foundation MUNDRA has celebrated swachhagraha related International Coastal Clean up Day celebrated with Coast Guard" with theme swachhagraha.. School students, Coast Guard staff and Adani foundation staff had cleaned Mandvi beach and give a message of swachhagraha.. At the end information given about swachhagraha project

## Teacher's Day : Guru Vandana

Teachers day celebration in coordination with District Education Office and District Development Office with Adani Foundation - District Level Best teacher Award on this auspicious day.

13 teachers is selected after screening by DEO Office and tofay award will be given in presence of DEO, DPEO and Vasan bhai Ahir Minister Gujarat .



## Divine Feelings Towards Mata no Madh



Mata no Madh is a village in Lakhpat Taluka of Kutch district, Gujarat, India. The village lies surrounded by hills on both banks of a small stream and has a temple dedicated to Ashapura Mata. She is considered patron deity of Kutch. The village is located about 105 km from Bhuj, the headquarters of Kutch district.

People used to go by foot to Mata no madh in Navaratri. Total 8 camps at different locations is inaugurated today in way towards Mata no Madh by Adani Foundation Bhuj and GKGH Hospital.

Total 34537 Patients were benefitted in this Camp

## "Ayushman Bharat – Celebrating First Birthday !! "

On the first birth anniversary of "AYUSHMAN ENROLMENT CARD" Adani Foundation Bhuj and Mundra had successfully completed 11 Ayushman card enrollment camps in a single Day.



## Skill Development Training Program for Schedule Cast Beneficiaries

we could able to fulfil target of training 1440 SC beneficiaries from Eight Talukas from Kutchhh for different courses.

Mr Vinod Chavda (MP, Kutchhh and Morabi) Mrs Lata Solanki (Pramukh, Nagar Palika,Bhuj) Mr Rohit (District Social Justice and Empowerment ), Mr Jatin Trivedi (Head, ASDC)and Mr solanki (Chairman, social justice commitee Kutchhh) we're present.



### courses

1. Hand embroidery
2. Self employed stitching
3. Mobile Repairing
4. Beauty parlor
5. Crane operator



## Awards and Accolades

### Apex India CSR Innovation Award 2019



Adani Foundation Mundra received **"Gold Award"** under Apex India CSR Innovation Award 2019 Today at Goa.

Cheif Guest of the event was Shri Prasad ( Union Minister Goa,GOI) and Guest of Honour Mr Suri (Former Governor Goa).

From Adani Foundation Mundra - Mr Vijay Gosai (Coordinator SLD Projects) and Mr. Karsan Gadhvi ( Sr PO SLD Projects) received the Award.



# Awards and Accolades

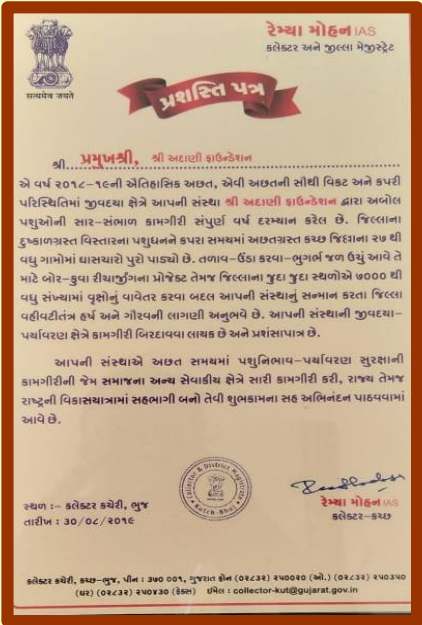


Sharing with Proud that Adani Foundation got felicitation from Mr Vijay Rupani Honorable Cheif Minister Gujarat for

- 1. Water Conservation works
- 2. More than 7000 Tree Plantation in Mundra, Anjar, Lakhpat and Mandvi Taluka

Felicitation of 3 CSR from Kutchh district for remarkable scarcity related work.

From Adani Foundation - Mr Karsanbhai Gadhai received Award.



## Awards and Accolades



Ms. Pankti Shah was invited as a guest of honour for Mission Eco Next "Eco Eureka Training" by ministry of science and technology - Government of India at KSKV Bhuj.

Initiatives of Adani Foundation for Biodiversity and water conservation was shared on this platform.



Ms. Mavajibhai Baraiya was invited as a guest of honor for "Creating Sustainable Farming Villages" by Krushi Research and Development Association by Vagad Visa Oswal Samaj.

Initiatives of Adani Foundation for Fodder Sustainability and water conservation was shared by him.

Beneficiaries

No	Core Area	Beneficiaries	Remarks
1	Utthan (Education)	3000	Uthhan, Labour School, School Enrollment
2	Adani Vidya Mandir	450	School Students
3	UDAAN	15329	250 Institute Visited
4	Adani Skill Dev. Center	1544	Mundra and Bhuj
5	Health Mundra	30336	MHCU, Medical Camps, Senior Citizen
6	Health Bhuj	47526	Health Camps, Mahiti Setu,care
7	SLD Fisherman	5572	Water, Education, Mangroves etc.
8	SLD Agriculture	1232	Drip Irrigation, Bio gas, tissue
9	SLD Women Empowerment	132	Saheli mahila gruh udyog – 12 SHG
10	CID Work	12345	Pond deepening, AKBTPL,
11	Swachhagraha	5266	Mundra, Bhuj, Anjar and Gandhidham
12	Suposhan Mundra	21439	Adolescent, Children and RPA
13	CSR Tuna	745	Health Camp, Cattle feed,
14	CSR NaKhtrana	-	
15	CSR Bitta	2450	Pond Deepening, Fodder, School Praveshotsav
16	CSR Lakhpat	1890	Fodder, School Support, Dam Desilting

**Adani Foundation -Mundra**  
**Executive Summary-Budget Utilization up to September 2019**

F.Y. 2019-20 (Rs. In Lacs)

Sr. No.	Budget Line Item	CAPEX	OPEX	Budget 2019-20	Expenditure up to Sept.19	% of utilization against FY 2019-20 budget
A	Admin Expense	1.30	70.20	71.50	28.56	39.94%
B.	Education	0.00	57.75	57.75	26.70	46.23%
C.	Community Health	0.60	220.06	220.66	78.91	35.76%
D.	Sustainable Livelihood Development	30.00	387.30	487.80	325.04	66.63%
E	Rural Infrastructure Development	358.93	33.10	321.53	28.53	8.87%
Total AF CSR Budget :		390.83	768.41	1159.24	487.73	42.07%
F.	Utthan - Education	49.97	58.96	108.93	31.86	29.25%
G.	Model Village	132.93	64.33	197.26	61.52	31.19%
Total Project Utthan Budget		182.90	123.29	306.19	93.38	30.50%
H.	Adani Vidya Mandir - Bhadreshwar	33.36	170.99	204.35	71.34	34.91%
Total AVMB Budget		33.36	170.99	204.35	71.34	34.91%
I.	Project Udaan_Mundra	5.00	368.14	373.14	92.41	24.77%
Total Project Udaan Budget		5.00	368.14	373.14	92.41	24.77%
GRAND TOTAL		612.09	1430.83	2042.92	744.86	36.46%

CSR