

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

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Wed 11/25/2020 12:31 PM

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1 attachments (15 MB)

7. EC Compliance Report\_MUL CETP-2010\_Apr'20 to Sep'20.pdf;

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



Ports and  
Logistics

APSEZL/EnvCell/2020-21/097

Date: 25.11.2020

To

**Deputy Director General of Forest (Central),**  
Ministry of Environment, Forest and Climate Change,  
Regional Office (WZ), E-5, Kendriya  
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**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-2020 to September-2020 is being submitted through soft copy (e-mail communication).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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

**Douglas Charles Smith**  
**Chief Executive Officer**  
**Mundra & Tuna Port**

**Encl: As above**

**Copy to:**

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

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# Environmental Clearance Compliance Report

of



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

of

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

for  
Period:

April-2020 to September-2020

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

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# **Compliance Report of Environment Clearance**

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

The name of the company has been changed from **MPSEZ Utilities Pvt. Ltd. (MUPL)** to **MPSEZ Utilities Limited (MUL)** and w.e.f. 16<sup>th</sup> June, 2020 with business need. The letter to change the name in statutory clearance has been submitted to all the concerned authorities.

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'20 To : Sep'20
<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 30-09-2020
<b>A. Specific Conditions</b>		
1	The MUPL shall conduct a study, every year for initial three years and thereafter once in a three year, through the reputed institute or the Agricultural University to assess the impacts on soil and ground water quality, if any, due to application of treated effluent on land for plantation/ gardening and adopt the additional mitigation measures as may be suggested through such studies.	<p>Complied.</p> <p>Environment Audit is being carried out on six monthly basis through reputed institute approved by GPCB. Soil and ground water quality monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Last Audit Report was submitted to GPCB on 02.07.2020. Acknowledgement copy of the same is attached as <b>Annexure – 1</b>.</p>
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	<p>Complied.</p> <p>Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.</p> <p>Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as <b>Annexure – 2</b>.</p>
3	Industries having high pollution potential like dyes and dye intermediates, bulk drugs and intermediates, pesticides etc. shall not be allowed in MPSEZL in such proportion that	<p>Complied.</p> <p>Presently Textile, Chemical, warehouse, oil, steel CFS, electronic and food products category industries are available in SEZ area.</p> <p>At present there is no such industry within APSEZ as mentioned in the condition.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020		
	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 4 to 5 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 349 KL/Day and treated water discharge from the CETP 339 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 767 KL/Day and treated water discharge from the CETP 571 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. On avg. 571 KL/ Day treated water from CETP was reused during compliance period.</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, BOD and NH3-N. 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</p>
Parameter	CETP inlet norm of MUPL			

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

Sr. No.	Conditions		Compliance Status as on 30-09-2020												
	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	domestic sewage was submitted along with last half yearly compliance report for the period Oct'19 to Mar'20. And there is no further change.  MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and details of the same was submitted to the MoEF & CC along with half yearly compliance report April– 2016 to Sep – 2016.												
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>85 KLD</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>25 KLD</td></tr></table>	Unit	ETP Capacity	Treatment Methodology	Average Water Discharge	M/s Dorf ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	85 KLD	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD
Unit	ETP Capacity	Treatment Methodology	Average Water Discharge												
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M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD												
8	The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.		Complied.  The details for the same are provided in specific condition no 6 above.												
9	Domestic waste water shall be discharged into		Complied.												



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

Sr. No.	Conditions	Compliance Status as on 30-09-2020																																			
	septic tank/ soak pit system by the individual member units and the overflow shall be conveyed to the CETP along with industrial effluent for its treatment. Domestic waste water generated at the CETP will also be treated in the CETP.	<p>Sewage from member industries and Mundra town is collected into collection tank, which is transferred to CETP at average rate of 669 KL/Day through pipeline.</p> <p>Average generation of domestic wastewater is ranging from 1.0 to 1.5 KL per day at the CETP and the same is 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'20 to Sep'20 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>7.68</td><td>7.88</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>41</td><td>59</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>1730</td><td>2078</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>165</td><td>249</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>32</td><td>68</td><td>100</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>23.1</td><td>45.18</td><td>50</td></tr></table> <p><sup>\$</sup> as per CC&amp;A granted by GPCB</p> <p>Please refer <b>Annexure – 4</b> for detailed analysis reports. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the FY 2020-21 (Till Sep'20).</p> <p>The environmental monitoring within Adani Ports &amp; SEZ Limited has been stopped from 23<sup>rd</sup> March, 2020 to 12<sup>th</sup> May, 2020 considering COVID-19 Pandemic lockdown and the same has already been intimated to the regulatory authorities vide our e-mail dated 06.04.2020 &amp; 13.05.2020. The details of the same is attached as <b>Annexure – 5</b>.</p>	Parameter	Unit	Min	Max	Perm. Limit <sup>\$</sup>	pH	--	7.68	7.88	6.0 – 9.0	SS	mg/L	41	59	100	TDS	mg/L	1730	2078	2100	COD	mg/L	165	249	250	BOD	mg/L	32	68	100	Ammonical Nitrogen	mg/L	23.1	45.18	50
Parameter	Unit	Min	Max	Perm. Limit <sup>\$</sup>																																	
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Sr. No.	Conditions	Compliance Status as on 30-09-2020
		<p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB Sample analysis reports are attached as <b>Annexure – 6</b>, which shows that all the parameters are well within the permissible norms.</p>
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 571 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, TOC &amp; Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report April– 2016 to Sep – 2016.</p> <p>Quality of treated effluent from CETP meets with GPCB norms. Refer specific condition No. 10 for test result summery.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
		Please refer <b>Annexure – 4 &amp; 6</b> showing quality of treated effluent during this compliance period.
14	The MUPL shall instruct and make sure that each contributing member (cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	<p>Complied.</p> <p>An agreement is made with the respective units to provide storage facility for retention.</p> <p>At present the industrial effluent from two units is received for treatment at the CETP. Both the units have two storage tanks of 50 KL each which is sufficient to store the effluent for at least one day.</p>
15	The MUPL shall give time slot to the contributing member units for discharge of effluent and implement a mechanism for ensuring that the member units adhere to the same.	<p>Complied.</p> <p>At present there are only two member industries of CETP for industrial effluent discharge and time slot has been given to each industry for discharging their industrial effluent.</p>
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	<p>Complied.</p> <p>MUL verifies the data of wastewater generation produced by the member units and matches with the inlet meter reading to make sure the entire effluent quantity is supplied to CETP.</p>
17	The MUPL shall be responsible for proper conveyance of effluent from their member units to the CETP. To distinguish the effluent conveyance pipelines from other pipelines, they should be coated with special colour. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member	<p>Complied.</p> <p>Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units.</p> <p>Daily monitoring of effluent conveyance pipeline and regular maintenance of pump, valve and panel is carried out. Periodical maintenance is carried out to avoid leakage.</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Apr'20</b> <b>To : Sep'20</b>
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Sr. No.	Conditions	Compliance Status as on 30-09-2020
	units.	
18	Magnetic flow meters shall be provided at the inlet and outlet of the CETP as well as ETP outlets of the CETP member units and records for the same shall be maintained and submitted regularly.	<p>Complied.</p> <p>Magnetic flow meters to maintain the record of quantity of raw effluent and treated effluent have been provided at inlet and outlet of CETP.</p> <p>Records of quantity received from industry and treated discharge are attached as <b>Annexure – 3</b>.</p>
19	The MUPL shall also install pH sensor solenoid valve with alarm device at the inlet of equalization tanks. Emergency tank shall be provided at the CETP for diverting effluent with the CETP inlet norms, in case of unforeseen circumstances.	<p>Complied.</p> <p>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>MUL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters with alarm/alert system in case of exceedance. It is also connected with GPCB as well as CPCB server. Information for the same was submitted to the MoEF &amp; CC along with half yearly compliance report Apr – 2016 to Sep – 2016.</p> <p>However MUL has also installed lock-arrangement system valves at the effluent discharge outlet of member units to ensure effluent quality within CETP inlet norms. Analysis of effluent is being carried out before discharging to verify that effluent is meeting with GPCB permissible norms or not. The CETP can receive effluent from member unit only after achieving CETP inlet norms. Analysis reports of each member unit is being submitted the GPCB on monthly basis.</p> <p>One equalization tank 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</p>

	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Apr'20</b> <b>To : Sep'20</b>
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Sr. No.	Conditions	Compliance Status as on 30-09-2020
		adequate capacity is also provided with member units which is sufficient to store the effluent for at least one day in such circumstances.
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.	Complied.  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.
22	The MUPL shall not keep any bypass line or system, or loose or flexible pipe for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.	Complied.  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	Complied. Log books containing all required information are maintained. A typical copy of logbook is attached here as <b>Annexure – 7</b> .



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Sr. No.	Conditions	Compliance Status as on 30-09-2020
	<p>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 &amp; DO concentrations in Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation / gardening, quantity and quality of effluent discharged to deep sea through outfall system of MPSEZL etc. Details of the member units failing to comply with the CETP inlet norms shall be submitted to the GPCB on regular basis.</p>	<p>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. 767 KLD effluent from member industries.</p> <p>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 submitted along with last half yearly EC Compliance report for the period Oct'18 to Mar'19.</p> <p>The sludge generated thereafter is stored in dedicated storage area and will be disposed to approved TSDF site.</p>
26	<p>The MUPL shall set up a full fledge laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.</p>	<p>Complied.</p> <p>Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP.</p> <p>Competent technical staff is deployed for monitoring and analysis of environmental parameters.</p>
27	<p>Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be</p>	<p>Complied.</p> <p>Daily analysis data are submitted to GPCB on monthly basis and proof showing the same is attached as <b>Annexure – 2</b>.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	submitted to the GPCB on monthly basis.	<p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC &amp; Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB &amp; SPCB regularly.</p> <p>GPCB Sample analysis reports are attached as <b>Annexure – 6</b>, which shows that all the parameters are well within the permissible norms.</p> <p>Also refer Point no. 10 for further details.</p>
28	The company shall also have to submit every month, the analysis reports of the samples of effluent got collected and analysed by one of the recognized laboratories.	<p>Complied.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. and report of the same is also being submitted to the GPCB every month. Proof showing the same is attached as <b>Annexure – 2</b>.</p> <p>Monitoring report for the period from Aprt'20 to Sep'20 is attached as <b>Annexure – 4</b>. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the FY 2020-21 (Till Sep'20).</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. Environment monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Please refer point no. 1 for further detail upon audit report submission.</p>
30	The MUPL shall maintain accurate records of their member units in respect of quantity of each	<p>Complied.</p> <p>Data regarding quantity and quality of effluent generated from member units are submitted to GPCB regularly and proof</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	product manufactured, quantity of water consumption, quality of trade effluent, quantity of effluent generated, booked and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.	showing the same is attached as <b>Annexure – 2</b> .  Details of Product manufactured, water consumption and wastewater generation are being submitted by individual units on monthly basis to the GPCB in form of monthly patrahs. Details of the same are attached as <b>Annexure – 8</b> .
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.	Complied.  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.  Ground water sampling and analysis report is attached as <b>Annexure – 4</b> .
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.	Complied.  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. However flue gas emission monitoring from D.G. Set is being carried out on six monthly basis at the time of trial run and its report is attached as <b>Annexure – 4</b> .
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.	Complied.  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 & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'20 to Sep'20 is mentioned below.  <b>Monitoring Locations &amp; Frequency: O2 (Twice in a week)</b>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020				
		Parameter	Unit	Max	Min	Perm. Limit <sup>\$</sup>
		PM <sub>10</sub>	µg/m <sup>3</sup>	94.51	44.26	100
		PM <sub>2.5</sub>	µg/m <sup>3</sup>	51.52	15.37	60
		SO <sub>2</sub>	µg/m <sup>3</sup>	25.33	6.43	80
		NO <sub>2</sub>	µg/m <sup>3</sup>	42.31	14.35	80
		<sup>\$</sup> as per NAAQ standards, 2009				
		Please refer <b>Annexure – 4</b> for detailed analysis reports. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the FY 2020-21 (Till Sep'20).				
34	The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p>Complied.</p> <p>MUL has been 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> <p>MUPL has also been granted amendment in CC&amp;A vide Order No. WH-107851, dtd. 17.04.2020, Valid up to: 07.04.2021 from GPCB, Gandhinagar for receiving 1.5 MLD domestic sewage from Mundra village for treatment and inclusion of one hazardous waste. Details of the same were submitted along with last half yearly compliance report for the period Oct'19 to Mar'20.</p>				
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	Complied.				

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	<p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility. 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 767 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 be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility only.</p> <p>Used Oil and Discarded Containers generation is not frequent in nature. As &amp; when generated, the same will be disposed by selling out to registered recycler / reprocessor.</p>
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.	<p>Complied.</p> <p>Adequate hand rail are provided at CETP Tanks for fall protection.</p>
40	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.	<p>Complied.</p> <p>Safety measures like appropriate hand gloves, safety goggles, safety shoes, reflective jacket are provided. Photographs showing the same were submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p> <p>Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte, Lime and HCl are provided with stand by pumps to avoid human exposure.</p>
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage.	<p>Complied</p> <p>There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical</p>



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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	Bund/dyke walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.	dosing.
42	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check-up of the workers and keeping its record etc.	Complied.  MUL CETP is subsidiary unit of Adani Ports and Special Economic Zone Limited. The Occupation Health Centre of APSEZ is accessible in case of emergency or regular medical check-up of workers. In addition, there is also a Multispecialty Hospital within the APSEZ area at a distance of approx. 3 Km from the CETP.
43	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	Complied. 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. Details of periodical medical examination report of the employees are attached as <b>Annexure – 9</b> .
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.

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020															
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	<p>Complied.</p> <p>Noise level monitoring is being carried out on monthly basis by NABL and MoEF &amp; CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Oct'19 to Mar'20 is mentioned below.</p> <p><b>Monitoring Locations &amp; Frequency: 02 (Twice in a week)</b></p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>54.3</td><td>71.4</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>50.4</td><td>69.5</td><td>70</td></tr></table> <p><small>* as per NAAQ standards, 2009</small></p> <p>Please refer compliance condition no. 32 for further details.</p> <p>Monitoring report for the period from Apr'20 to Sep'20 is attached as <b>Annexure – 4</b>. Approx. INR 8.46 Lakh is spent for all environmental monitoring activities during the FY 2020-21 (Till Sep'20).</p>	Parameter	Unit	Min	Max	Perm. Limit	Day Time	dB(A)	54.3	71.4	75	Night Time	dB(A)	50.4	69.5	70
Parameter	Unit	Min	Max	Perm. Limit													
Day Time	dB(A)	54.3	71.4	75													
Night Time	dB(A)	50.4	69.5	70													
49	The MUPL shall develop green belt within premises as per the CPCB guidelines, preferably with local species, and shall submit an action plan of plantation for next three years to the GPCB.	<p>Complied.</p> <p>APSEZ has developed its own “Dept. of Horticulture” which is taking measures/ steps for terrestrial greening and developed 19.71 hectare of green belt with the density of 1577 trees per hectare within CETP &amp; WTP premises. Total 31083 trees are planted within CETP &amp; WTP premises. So, far APSEZ have developed 469 ha. area as greenbelt with plantation 8.8 Lacs saplings within the APSEZ area.</p> <p>Details of the green belt development activity done by APSEZ Mundra are attached as <b>Annexure – 10</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	<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</p>															

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	regulations. All the construction designs/ drawing relating to the proposed construction activities must have approvals of the concerned State Government Department/Agencies.	capacity, the new module of CETP will be constructed confirming to the applicable rules and regulations.
52	In the event of the CETP's not functioning as proposed / breakdown of the CETP, the CETP member units shall be immediately intimated to stop discharging the effluent / to shut down their plants immediately. The effluent from the member units shall not be received at CETP until the desired efficiency of the CETP has been achieved.	<p>Point noted and agreed.</p> <p>CETP has functioned as per designed efficiency and meeting with GPCB discharge norms during the entire compliance period. Hence no such event to stop collecting the effluent is required.</p>
53	If the CETP fails to achieve the GPCB norms at its outlet; the individual units shall provide and operate the Effluent Treatment Plant (ETP) with adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.	<p>Point noted and agreed.</p> <p>CETP is functioning with the designed efficiency and meeting with GPCB discharge norms during the entire compliance period.</p> <p>Individual members have their own ETPs which provides necessary treatment to achieve GPCB norms.</p>
54	The MUPL shall ensure that each & every member renews the agreement on / before expiry of said agreement and shall inform the GPCB about any unit not renewing within stipulated period. The	<p>Complied.</p> <p>The agreements are renewed before its expiry by the member units.</p> <p>No event of termination or suspension of the CETP membership has occurred during the compliance period of Apr'20 to Sep'20.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	MUPL shall immediately inform the Gujarat Pollution Control Board about termination/suspension of the CETP membership of any member unit.	
55	The MUPL shall not allow any new member or enhance effluent quantity of existing members unless & until they have prior requisite permissions from competent authorities.	<p>Complied.</p> <p>MUL has been granted permission for receiving 1.5 MLD domestic sewage in to CETP for treatment from Mundra village from GPCB during the compliance period of Oct'19 to Mar'20. Details were submitted along with last half yearly compliance report for the period Oct'19 to Mar'20.</p> <p>M/s Ahlstrom Munksjo Fibercomposites India Pvt. Ltd. has requested for enhancement of effluent quantity by 10 KLD (from 15 KLD to 25 KLD) during the compliance period of Apr'20 to Sep'20. They have already been granted permission for discharging their effluent up to 88.5 KLD in to CETP from GPCB. The copy of quantity amendment membership certificate is attached as <b>Annexure – 11</b>.</p>
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.</p>
57	Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.	<p>Complied.</p> <p>Good housekeeping is being maintained within the CETP premises by the dedicated housekeeping staff.</p> <p>Leakages were attended and recorded in the MIS report of MUPL. Photographs of all the maintenance work done during compliance period of Apr'20 to Sep'20 is attached as <b>Annexure – 12</b>.</p> <p>No floor washing activity was carried out during the compliance period.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
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 well.	<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>
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>APSEZL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan at site. Site team report to General Manager (Environment) at Corporate, who heads the Environment Management Cell who directly reports to the top management. Allocation of separate budget has also been done. Details of the same were submitted as a part of last half yearly EC compliance report for the period Oct'19 to Mar'20. And there is no further change.</p>
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these	<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</p>



	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Apr'20</b> <b>To : Sep'20</b>
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Sr. No.	Conditions	Compliance Status as on 30-09-2020						
	funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	<p>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 2020-21 is to the tune of INR 1401 lakh. Out of which, Approx. INR 679 lakh are spent during this compliance period. Detailed breakup of the expenditures for the past 3 years is attached as <b>Annexure – 13</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 fivecore area. Details of the same are as below. Other than with five persuasion, Adani Foundation has also worked for fight against COVID – 19 pandemic situation during this compliance period Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Fight Against COVID-19</td><td><ul style="list-style-type: none"><li>• <b>24 villages</b> of Mundra block Sanitized.</li><li>• <b>45000+</b> Mask prepared by SHG group.</li><li>• <b>1800+</b> food packet per day two time for the workers, drivers and labours of APSEZ and AWL Cost free Fresh Food Support (Breakfast, Lunch and Dinner)</li><li>• <b>9000+</b> ration kit support Ration Kit support to Daily Wedge Labours and Needy people</li><li>• Mobile health care unit is providing primary treatment to community at door step and also creating awareness to fight against Corona virus - <b>150+ beneficiaries</b> covered</li><li>• <b>12500 people</b> connected By Awaz De software creating awareness in people in local kutchhi language.</li><li>• <b>1400+</b> patient covered - AHMPL is providing all services IPD and OPD during lockdown period.</li><li>• Important of handwashing &amp; hygiene by Sangini</li><li>• <b>57 senior citizens</b> of old age home - During lockdown period our team providing medical facility to senior citizens at old age home in Mandvi and Gundala</li></ul></td></tr><tr><td>Community Health</td><td><p><b>Community Health – Mundra</b></p><ul style="list-style-type: none"><li>• 11 Rural Clinic – 8 from Mundra &amp; 3 from Anjar block treated; <b>8196 patients</b>.</li><li>• <b>31 villages</b> covered, with <b>109 types</b> of general and lifesaving medicines through Mobile healthcare unit <b>6879 patients</b> benefited during six month.</li><li>• Provided dialysis treatment to <b>6 patients</b> of kidney failure <b>236 times</b>.</li><li>• <b>Citizen project</b> - <b>8672 Card holders</b> of <b>68 villages</b> get benefit under this project.</li><li>• <b>2921 sr. citizen patients</b> benefited during six month - <b>8000 limit</b> for three year per patients</li><li>• <b>470 Needy patients</b> had been facilitated with Medical</li></ul></td></tr></table>	Area	Activity	Fight Against COVID-19	<ul style="list-style-type: none"><li>• <b>24 villages</b> of Mundra block Sanitized.</li><li>• <b>45000+</b> Mask prepared by SHG group.</li><li>• <b>1800+</b> food packet per day two time for the workers, drivers and labours of APSEZ and AWL Cost free Fresh Food Support (Breakfast, Lunch and Dinner)</li><li>• <b>9000+</b> ration kit support Ration Kit support to Daily Wedge Labours and Needy people</li><li>• Mobile health care unit is providing primary treatment to community at door step and also creating awareness to fight against Corona virus - <b>150+ beneficiaries</b> covered</li><li>• <b>12500 people</b> connected By Awaz De software creating awareness in people in local kutchhi language.</li><li>• <b>1400+</b> patient covered - AHMPL is providing all services IPD and OPD during lockdown period.</li><li>• Important of handwashing &amp; hygiene by Sangini</li><li>• <b>57 senior citizens</b> of old age home - During lockdown period our team providing medical facility to senior citizens at old age home in Mandvi and Gundala</li></ul>	Community Health	<p><b>Community Health – Mundra</b></p> <ul style="list-style-type: none"><li>• 11 Rural Clinic – 8 from Mundra &amp; 3 from Anjar block treated; <b>8196 patients</b>.</li><li>• <b>31 villages</b> covered, with <b>109 types</b> of general and lifesaving medicines through Mobile healthcare unit <b>6879 patients</b> benefited during six month.</li><li>• Provided dialysis treatment to <b>6 patients</b> of kidney failure <b>236 times</b>.</li><li>• <b>Citizen project</b> - <b>8672 Card holders</b> of <b>68 villages</b> get benefit under this project.</li><li>• <b>2921 sr. citizen patients</b> benefited during six month - <b>8000 limit</b> for three year per patients</li><li>• <b>470 Needy patients</b> had been facilitated with Medical</li></ul>
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	<b>MPSEZ Utilities Ltd., Mundra (CETP)</b> (Formerly, MPSEZ Utilities Pvt. Ltd.)	<b>From : Apr'20</b> <b>To : Sep'20</b>
<b>Status of the conditions stipulated in Environment Clearance</b>		

Sr. No.	Conditions	Compliance Status as on 30-09-2020	
			Support OPD & IPD treatment with token charges during this six month. <ul style="list-style-type: none"> <li>• <b>1150</b> health calendar were distributed to various PHC, CHC and ICDS department of Mundra, Mandvi, Nakhtrana, Lakhpat, Abadasa, Anjar &amp; Gandidham block.</li> <li>• <b>594 Protein Powder packet</b> distributed to ANC woman of Utthan villages and TB patient of Mundra block.</li> <li>• Total <b>18698 &amp; 10380</b> IPD / OPD facilities provided project wise and AHMPL subsequently during six months.</li> </ul>
	Sustainable Livelihood – Fisher folk		<ul style="list-style-type: none"> <li>• Average <b>70</b> KL of water was supplied to <b>717</b> households at 4 fisherman vasahat on a daily basis under Machhimar Shudhh Jal Yojana.</li> <li>• <b>55 Higher secondary Fishermen students</b> of Sekhadiya, Navinal, Zarpara &amp; Junabandar benefitted with book support. Mother meeting and telephone Discussion for their wards discussion.</li> <li>• <b>4830 Man-days</b> work was provided over <b>236 Fishermen family</b> during this six months.</li> <li>• To avail Fishermen Government scheme (Fishermen Credit card) one day program was arranged with social distancing and all precaution. <b>30 KCC</b> form fill-up at Navinal. Created awareness with Telephonic about same.</li> <li>• To create option livelihood over fishermen with co-ordination of VRTI. Pilot phase – <b>3500 Kg sea weed</b> was harvested</li> <li>• Total <b>85 Acre Gauchar Land</b> was approved by GP for Development by decision taken in Gram Sabha. Among them <b>72 Acre</b> land Has been Sowed and Remaining land would be Grow with Wild Grass.</li> <li>• Government Scheme Facilitation - Facilitate widows, senior Citizens and Divyang to various schemes of government like widow pension, free bus pass, Senior citizen pension scheme sankat mocha sahay etc. support for process and documentation – Total <b>66 Nos.</b> of beneficiaries.</li> <li>• <b>60,000+</b> three layer mask has been prepared and sold by Umang SHG group @ <b>Rs.10.00</b> per mask.</li> <li>• <b>5-SHG</b> had been facilitated for <b>Rs 1.0 lac</b> bank loan through DRDA to start-up new business for women empowerment.</li> <li>• Fodder support in <b>20 villages</b> of Mundra and Anjar block. Dry fodder <b>6.70 lacs kg</b> &amp; Green fodder <b>11.60 lacs kg</b>.</li> <li>• To Doubling the farmer income by aviling "Barahi Varities Tissue plant" has good productivity <b>850 plants</b> have been distributed to <b>34 farmers 25 plants / Farmers</b> cost of a plants is <b>Rs. 3500</b>.</li> <li>• Installation of <b>53 Home Bio-gas</b> with SOP Awareness and trouble shoot of problem as well.</li> <li>• <b>10,000 dragon food sapling</b>. Pole and wire have been supported to 5 farmers.</li> </ul>
	Education		<ul style="list-style-type: none"> <li>• Apart from CPD Utthan Sahayks attended <b>30+ educational webinar</b> during lockdown.</li> <li>• Arrange various competition and celebration for Priya VidyarthiSchool Visit and Home Visit by Utthan Sahayak.</li> <li>• Conduct meeting with Principal / Teacher of Utthan schools, TPEO, BRC, CSR Head, Education Coordinator, Project Officer and Utthan Sahayaks through Microsoft</li> </ul>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020	
			<p>Team.</p> <ul style="list-style-type: none"> <li>Adani Vidya Mandir Bhadrashwar provide "cost-free" education to meritorious students coming from challenging economic background, who have priceless treasures but have been under achievers due to situation. In year 2020-21 <b>490 students</b> are studying. 82.60% - Result SSC Board Exam</li> <li>Tablet provide to students of std. 10<sup>th</sup> for online study through Employee Volunteering Programme</li> <li>Admission process of std 1 students through draw system. 80 students selected out of 91. remain 11 students in waiting list</li> <li>Online Class through WhatsApp and you tube video</li> </ul>
		Rural Infrastructure	<p><b>WORK COMPLETED</b></p> <ul style="list-style-type: none"> <li>Development of Prisha Park at Mundra.</li> <li>Pond Bund strengthening at Zarpara Village</li> </ul> <p><b>WORK IN PROGRESS</b></p> <ul style="list-style-type: none"> <li>Drainage Line and Chamber work at Bhopavandh.</li> <li>Drainage Maintenance &amp; JCB Hiring &amp; Other Mis. Work.</li> <li>Road Repairing at Kutdi Bandar.</li> <li>Road Repairing at Zarapra Fisherman Vashat.</li> <li>Road Repairing at Luni Pagadiya Fisherman</li> </ul> <p><b>WATER CONSERVATION PROJECTS</b></p> <ul style="list-style-type: none"> <li>A large number of water harvesting structure (<b>18 Nos. of check dams</b> in coordination with salinity department)</li> <li>Ground recharge activities (<b>pond deepening work for more than 52 ponds</b>) individually and 26 ponds under Sujlam Suflam Jal Abhiyan leading to a significant increase in water table and higher returns to the farmers</li> <li><b>Roof Top Rain Water Harvesting 54 Nos.</b> which is having <b>10,000 litre</b> storage which is sufficient for one year drinking water purpose for 5 people family.</li> <li>Recharge Bore well <b>75 Nos</b> which is best ever option to conserve ground water Drip Irrigation 823 Farmers benefitted in coordination with Gujrat Green Revolution Company</li> <li>Participatory Ground Water Management in ten villages with holistic approach for Kankavati Sandstone Aquifer Programme</li> <li>As per Average Calculation more than <b>450 hac. area</b> benefitted with increased in <b>109 MCFT</b> water Quantity.</li> </ul> <p><b>Bio Diversity Park – Mundra</b></p> <ul style="list-style-type: none"> <li>Adani Foundation, Mundra-Kutchh proposed a biodiversity park at 5 acres Nandi Sarovar area and approached to Sahjeevan, Bhuj for technical support for same.</li> <li>Sahjeevan team visited this proposed site for development of greenbelt to support biodiversity and enhancement of overall ecological food web existing in and around the landscape in first phase.</li> </ul>
		Skill Development	<ul style="list-style-type: none"> <li>Adani Skill Development Centre (ASDC) is playing a pivotal role in implementing sustainable development in the state. The objective of this Centre is to impart different kinds of training to the students of 10<sup>th</sup>, 12<sup>th</sup>,</li> </ul>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
		<div>           college or ITI from surrounding areas.           <ul style="list-style-type: none"> <li>During this year Total 440 people trained in various trainings to enhance socio economic development.</li> <li>324 students Enrolled in Online Training.</li> <li>The students of DDU-GKY (GDA) creating awareness regarding COVID-19 in their own village through various activity. 27students get placement in GAIMS (sodexo), Alilance Hospital, Shreeji Hospital, Bhuj Fire Academy, Divine Hospital etc. 3 students are working in COVID-19 Hospital.</li> </ul> </div> <p>Please refer <b>Annexure – 14</b> for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR Activity for the FY 2020-21 is to the tune of INR 1429.3 lakh. Out of which, Approx. INR 416.7 lakh are spent during the year FY 2020-21 (Till Sep'20).</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 in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of imposed and to add additional environmental protection measures required, if any.	<p>Point noted.</p> <p>Considering existing scenario, at present CETP having 2.5 MLD capacity only installed against total granted capacity of 17.0 MLD. Capacity of the same will be expanded on later stage as per requirement with requisite permissions from the competent authorities.</p> <p>No expansion or modifications in the plant has been carried out during this compliance period.</p>
66	The project authorities	Complied.

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	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.	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 of the same shall be forwarded to the concerned Regional Office of the Ministry.	<p>Already complied.</p> <p>Copy of advertisement given in newspaper was submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p>

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

Sr. No.	Conditions	Compliance Status as on 30-09-2020																					
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'19 to Mar'20 was submitted to Regional Office of MoEF&amp;CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar &amp; Gandhidham and SEIAA, Gandhinagar vide our letter dated 19.05.2020. Copy of the same is also available on our web site <a href="https://www.adaniports.com/ports-downloads">https://www.adaniports.com/ports-downloads</a>. A soft copy of the same was also submitted through e-mail on 19.05.2020 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. no.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Apr'17 to Sep'17</td><td>01.12.2017</td></tr> <tr> <td>2</td><td>Oct'17 to Mar'18</td><td>29.05.2018</td></tr> <tr> <td>3</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>4</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>5</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>6</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> </tbody> </table>	Sr. no.	Compliance period	Date of submission	1	Apr'17 to Sep'17	01.12.2017	2	Oct'17 to Mar'18	29.05.2018	3	Apr'18 to Sep'18	30.11.2018	4	Oct'18 to Mar'19	31.05.2019	5	Apr'19 to Sep'19	28.11.2019	6	Oct'19 to Mar'20	20.05.2020
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6	Oct'19 to Mar'20	20.05.2020																					
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied.</p> <p>The stipulated norms made by GPCB are followed. All required data regarding to water, hazardous waste emission load and energy consumption are submitted to GPCB by Patrak submission on monthly basis.</p>																					
70	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of project.	Already complied.																					
71	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Point noted.																					
72	The company in a time bound manner shall implement these	Point noted.																					



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

Sr. No.	Conditions	Compliance Status as on 30-09-2020
	<p>conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention &amp; 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.</p>	
73	<p>This environmental clearance is valid for five years from the date of issue.</p>	<p>Point noted.</p>

# **Annexure – 1**

Env Cell/MUPL/CETP/EAR/2020/02

Date: 29.06.2020

To,

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

**Subject:** Submission of Environmental Audit Report of our CETP (MUPL) for the period of 01.10.2019 to 31.03.2020.

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

Dear Sir,

With reference to the above stated and reference, please find enclosed environmental audit report for the half year ending on 31<sup>st</sup> March, 2020. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities 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
Audit Period	:	Oct-19 to Mar-20
UTR No.	:	AXISCN0052203542, dated 09.06.2020
Bank Name	:	Axis Bank Ltd.
Total Amount	:	Rs. 20,000/- (INR Twenty Thousand only)
Pay to	:	Gujarat Pollution Control Board, Gandhinagar

Kindly accept and acknowledge the same.

Thanking you.

For, MPSEZ Utilities Limited  
(Formerly, MPSEZ Utilities Pvt. Ltd.)

Authorized Signatory

**Encl:**

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

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

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

Registered Office: Adani House, Nr Mithakhali Circle, Navrangpura, Ahmedabad 380 009, Gujarat, India

*Pr*  
02/07/2020  
Gujarat Pollution Control Board  
Sector No. 10 A,  
Gandhinagar - 382 010

# **Annexure – 2**

Env Cell/MUPL/CETP/AR/2020/16

Date: 19.10.2020

To,

**The Member Secretary,**Gujarat Pollution Control Board,  
Paryavaran Bhavan, Sector 10- A,  
Gandhinagar – 382 010.**Subject:** Submission of Monthly Analysis Reports along with receiving quantity of Industrial effluent and domestic sewage of units connected with CETP operated by MPSEZ Utilities Limited.**Ref.:** CC&A Order No. AWH – 79311, GPCB ID: 10605

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports along with receiving quantity of the Industrial effluent and domestic sewage received from following at CETP for the month **Sep – 2020**.

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

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

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

**For, MPSEZ Utilities Limited**  
(Formerly, MPSEZ Utilities Pvt. Ltd.)**Authorized Signatory****CC To:****The Regional Officer, Regional Office, GPCB (Kutch – East), Gandhidham.**MPSEZ Utilities Limited  
(Formerly MPSEZ Utilities Private Limited)  
Adani House,  
Nr. Mithakhali Circle, Navrangpura,  
Ahmedabad 380 009  
Gujarat, IndiaTel +91 79 2555 5801  
Fax +91 79 2555 6490  
info@adani.com  
www.adani.com  
CIN: U45209GJ2007PTC051323

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



## Analysis Report (CETP Inlet)

M/s Dorf Ketel Speciality Catalyst Pvt. Ltd.

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD	Chloride	NH3-N
				6.5-8.5	2100	800	2000	1000	1000	50
					mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	1-Sep-20	194235	85	8.32	958	20	81	27	486	37.5
2	2-Sep-20	194320	85	7.41	1107	57	115	38	575	32.3
3	3-Sep-20	194405	85	7.16	932	48	105	35	584	25.2
4	4-Sep-20	194490	85	8.26	982	56	121	40	565	21.5
5	5-Sep-20	194575	85	8.12	1452	74	135	45	547	23.5
6	6-Sep-20	194660	85	7.66	1355	66	141	47	516	18.3
7	7-Sep-20	194745	85	7.48	1245	45	128	43	554	22.3
8	8-Sep-20	194830	85	7.70	1360	35	151	50	553	27.3
9	9-Sep-20	194915	85	7.49	1219	48	135	45	648	34.5
10	10-Sep-20	195000	85	7.80	1332	40	128	43	604	25.8
11	11-Sep-20	195085	85	7.89	1451	70	156	52	607	25.2
12	12-Sep-20	195170	85	7.77	1486	75	174	58	557	33.5
13	13-Sep-20	195255	85	7.91	1345	38	92	31	583	38.2
14	14-Sep-20	195340	85	7.86	1377	71	120	40	617	42.7
15	15-Sep-20	195425	85	7.52	1405	62	114	38	626	36.4
16	16-Sep-20	195510	85	7.90	1422	68	152	51	686	28.5
17	17-Sep-20	195595	85	8.05	1521	81	163	54	718	28.4
18	18-Sep-20	195680	85	7.94	1486	75	152	51	657	22.5
19	19-Sep-20	195765	85	8.12	1435	58	136	45	685	23.7
20	20-Sep-20	195850	85	8.24	1521	69	145	48	696	25.2
21	21-Sep-20	195935	85	8.20	1404	55	118	39	655	31.3
22	22-Sep-20	196020	85	8.38	1605	72	134	45	627	32.5
23	23-Sep-20	196105	85	8.21	1451	61	128	43	616	37.1
24	24-Sep-20	196190	85	8.00	1205	60	124	41	706	35.2
25	25-Sep-20	196275	85	8.29	1339	52	129	43	628	42.2
26	26-Sep-20	196360	85	8.13	1480	67	124	41	686	30.5
27	27-Sep-20	196445	85	8.24	1642	82	152	51	628	31.2
28	28-Sep-20	196530	85	8.31	1933	71	164	55	617	34.2
29	29-Sep-20	196615	85	8.39	1334	60	126	42	606	25.6
30	30-Sep-20	196700	85	8.41	1336	58	137	46	585	26.5
31	1-Oct-20	196785								
			2550							

For

MPSEZ Utilities Ltd



Analysis Report (CETP Inlet)

M/s Ahlstrom Fiber Composites India Pvt. Ltd.

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD	Chloride	NH3-N
				6.5-8.5	2100	800	2000	1000	1000	50
					mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	1-Sep-20	33585	25	8.31	618	88	205	68	268	8.2
2	2-Sep-20	33610	25	8.12	646	95	313	104	371	7.1
3	3-Sep-20	33635	25	8.06	807	122	355	118	364	6.4
4	4-Sep-20	33660	25	8.11	983	114	286	95	352	5.2
5	5-Sep-20	33685	25	7.85	990	143	361	120	415	11.5
6	6-Sep-20	33710	25	8.12	956	106	320	107	423	4.3
7	7-Sep-20	33735	25	7.96	1020	84	212	71	395	9.5
8	8-Sep-20	33760	25	8.25	1144	76	189	63	385	8.5
9	9-Sep-20	33785	25	8.21	1268	102	256	85	405	4.5
10	10-Sep-20	33810	25	8.24	1378	142	319	106	475	7.5
11	11-Sep-20	33835	15	7.86	1332	123	280	93	468	6.8
12	12-Sep-20	33850	2	7.53	1374	130	296	99	452	5.2
13	13-Sep-20	33852	15	7.69	1456	148	356	119	517	5.7
14	14-Sep-20	33867	18	7.96	1423	155	368	123	546	4.6
15	15-Sep-20	33885	25	8.12	1514	222	487	162	575	7.5
16	16-Sep-20	33910	25	8.41	1484	168	395	132	512	5.2
17	17-Sep-20	33935	25	8.23	1368	178	414	138	520	2.0
18	18-Sep-20	33960	25	8.15	1355	181	487	162	534	3.4
19	19-Sep-20	33985	25	8.15	1454	121	276	92	484	8.4
20	20-Sep-20	34010	25	8.22	1486	288	515	172	586	8.6
21	21-Sep-20	34035	25	7.98	1518	479	787	262	616	1.6
22	22-Sep-20	34060	25	7.99	1565	517	896	299	632	3.2
23	23-Sep-20	34085	25	8.05	1520	569	912	304	642	4.2
24	24-Sep-20	34110	25	7.78	1403	374	614	205	580	8.0
25	25-Sep-20	34135	25	8.23	1211	19	104	35	658	5.8
26	26-Sep-20	34160	25	8.21	1350	44	156	52	570	7.0
27	27-Sep-20	34185	25	8.24	1344	56	160	53	588	8.8
28	28-Sep-20	34210	25	8.33	1286	36	142	47	631	3.1
29	29-Sep-20	34235	25	8.28	1347	74	185	62	668	6.8
30	30-Sep-20	34260	25	8.45	1348	68	164	55	671	7.1
31	1-Oct-20	34285								
			700							

For

MPSEZ Utilities Ltd



# Analysis Report (CETP)

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

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100 mg/l	800 mg/l	2000 mg/l	1000 mg/l
1	1-Sep	-	-	-	-	-	-	-
2	2-Sep	-	-	-	-	-	-	-
3	3-Sep	-	-	-	-	-	-	-
4	4-Sep	-	-	-	-	-	-	-
5	5-Sep	-	-	-	-	-	-	-
6	6-Sep	-	-	-	-	-	-	-
7	7-Sep	-	-	-	-	-	-	-
8	8-Sep	-	-	-	-	-	-	-
9	9-Sep	-	-	-	-	-	-	-
10	10-Sep	-	-	-	-	-	-	-
11	11-Sep	-	-	-	-	-	-	-
12	12-Sep	-	-	-	-	-	-	-
13	13-Sep	-	-	-	-	-	-	-
14	14-Sep	-	-	-	-	-	-	-
15	15-Sep	-	-	-	-	-	-	-
16	16-Sep	-	-	-	-	-	-	-
17	17-Sep	-	-	-	-	-	-	-
18	18-Sep	-	-	-	-	-	-	-
19	19-Sep	-	-	-	-	-	-	-
20	20-Sep	-	-	-	-	-	-	-
21	21-Sep	-	-	-	-	-	-	-
22	22-Sep	-	-	-	-	-	-	-
23	23-Sep	-	-	-	-	-	-	-
24	24-Sep	-	-	-	-	-	-	-
25	25-Sep	-	-	-	-	-	-	-
26	26-Sep	-	-	-	-	-	-	-
27	27-Sep	-	-	-	-	-	-	-
28	28-Sep	-	-	-	-	-	-	-
29	29-Sep	-	-	-	-	-	-	-
30	30-Sep	-	-	-	-	-	-	-

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

For

MPSEZ Utilities Ltd

# Analysis Report (CETP)

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

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	1-Sep	56925.2	40.7	-	-	-	-	-
2	2-Sep	56965.9	43.2	-	-	-	-	-
3	3-Sep	57009.1	41.5	-	-	-	-	-
4	4-Sep	57050.6	40.7	7.98	1675	281	526	175
5	5-Sep	57091.3	41.1	-	-	-	-	-
6	6-Sep	57132.4	42.2	-	-	-	-	-
7	7-Sep	57174.6	40.8	-	-	-	-	-
8	8-Sep	57215.4	41.7	-	-	-	-	-
9	9-Sep	57257.1	40.5	-	-	-	-	-
10	10-Sep	57297.6	41.2	-	-	-	-	-
11	11-Sep	57338.8	40.8	8.08	1521	228	533	178
12	12-Sep	57379.6	42.5	-	-	-	-	-
13	13-Sep	57422.1	41.5	-	-	-	-	-
14	14-Sep	57463.6	41.1	-	-	-	-	-
15	15-Sep	57504.7	42.7	-	-	-	-	-
16	16-Sep	57547.4	41.3	-	-	-	-	-
17	17-Sep	57588.7	42.0	-	-	-	-	-
18	18-Sep	57630.7	41.8	8.11	1605	272	587	196
19	19-Sep	57672.5	42.8	-	-	-	-	-
20	20-Sep	57715.3	42.5	-	-	-	-	-
21	21-Sep	57757.8	41.7	-	-	-	-	-
22	22-Sep	57799.5	44.5	-	-	-	-	-
23	23-Sep	57844.0	42.5	-	-	-	-	-
24	24-Sep	57886.5	42.7	-	-	-	-	-
25	25-Sep	57929.2	43.4	8.23	1807	322	665	222
26	26-Sep	57972.6	42.1	-	-	-	-	-
27	27-Sep	58014.7	42.7	-	-	-	-	-
28	28-Sep	58057.4	42.2	-	-	-	-	-
29	29-Sep	58099.6	41.4	-	-	-	-	-
30	30-Sep	58141.0	44.2	-	-	-	-	-
31	1-Oct	58185.2						
			1260.0					

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

For

MPSEZ Utilities Ltd



# Analysis Report (CETP)

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

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD	Chlorides
				6.5-8.5	2100	800	2000	1000	1000
					mg/l	mg/l	mg/l	mg/l	mg/l
1	1-Sep	-	-	-	-	-	-	-	-
2	2-Sep	-	-	-	-	-	-	-	-
3	3-Sep	-	-	-	-	-	-	-	-
4	4-Sep	-	-	7.72	717	82	186	62	284
5	5-Sep	-	-	-	-	-	-	-	-
6	6-Sep	-	-	-	-	-	-	-	-
7	7-Sep	-	-	-	-	-	-	-	-
8	8-Sep	-	-	-	-	-	-	-	-
9	9-Sep	-	-	-	-	-	-	-	-
10	10-Sep	-	-	-	-	-	-	-	-
11	11-Sep	-	-	7.86	752	84	191	64	328
12	12-Sep	-	-	-	-	-	-	-	-
13	13-Sep	-	-	-	-	-	-	-	-
14	14-Sep	-	-	-	-	-	-	-	-
15	15-Sep	-	-	-	-	-	-	-	-
16	16-Sep	-	-	-	-	-	-	-	-
17	17-Sep	-	-	-	-	-	-	-	-
18	18-Sep	-	-	7.48	724	89	231	77	342
19	19-Sep	-	-	-	-	-	-	-	-
20	20-Sep	-	-	-	-	-	-	-	-
21	21-Sep	-	-	-	-	-	-	-	-
22	22-Sep	-	-	-	-	-	-	-	-
23	23-Sep	-	-	-	-	-	-	-	-
24	24-Sep	-	-	-	-	-	-	-	-
25	25-Sep	-	-	7.45	753	74	290	97	319
26	26-Sep	-	-	-	-	-	-	-	-
27	27-Sep	-	-	-	-	-	-	-	-
28	28-Sep	-	-	-	-	-	-	-	-
29	29-Sep	-	-	-	-	-	-	-	-
30	30-Sep	-	-	-	-	-	-	-	-

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

For

MPSEZ Utilities Ltd

Analysis Report (CETP)  
Mundra Village Sewage

Sep-20

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	1-Sep	65467	0	-	-	-	-	-
2	2-Sep	65467	0	-	-	-	-	-
3	3-Sep	65467	0	-	-	-	-	-
4	4-Sep	65467	0	7.61	1895	181	625	208
5	5-Sep	65467	0	-	-	-	-	-
6	6-Sep	65467	0	-	-	-	-	-
7	7-Sep	65467	0	-	-	-	-	-
8	8-Sep	65467	0	-	-	-	-	-
9	9-Sep	65467	0	-	-	-	-	-
10	10-Sep	65467	0	-	-	-	-	-
11	11-Sep	65467	0	7.68	1821	193	653	218
12	12-Sep	65467	643	-	-	-	-	-
13	13-Sep	66110	780	-	-	-	-	-
14	14-Sep	66890	704	-	-	-	-	-
15	15-Sep	67594	781	-	-	-	-	-
16	16-Sep	68375	594	-	-	-	-	-
17	17-Sep	68969	481	-	-	-	-	-
18	18-Sep	69450	407	7.91	1850	172	678	226
19	19-Sep	69857	608	-	-	-	-	-
20	20-Sep	70465	582	-	-	-	-	-
21	21-Sep	71047	536	-	-	-	-	-
22	22-Sep	71583	599	-	-	-	-	-
23	23-Sep	72182	672	-	-	-	-	-
24	24-Sep	72854	631	-	-	-	-	-
25	25-Sep	73485	467	8.12	1907	222	756	252
26	26-Sep	73952	569	-	-	-	-	-
27	27-Sep	74521	849	-	-	-	-	-
28	28-Sep	75370	1044	-	-	-	-	-
29	29-Sep	76414	705	-	-	-	-	-
30	30-Sep	77119	557	-	-	-	-	-
31	1-Oct	77676						
			12209.0					

For

MPSEZ Utilities Ltd

# **Annexure – 3**

### Annexure – 3

#### Details of Water Consumption (Apr – 20 to Sep – 20)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Apr'20	138	36	102
2.	May'20	165	35	130
3.	June'20	134	30	104
4.	July'20	292	62	230
5.	Aug'20	96	30	66
6.	Sep'20	45	30	15
	<b>Total</b>	<b>870</b>	<b>223</b>	<b>647</b>
	<b>Avg. per Day</b>	<b>4.7</b>	<b>1.2</b>	<b>3.5</b>

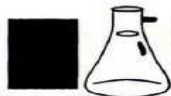
#### Collected Quantity of Trade Effluent and Treated Water Discharge

(Apr – 20 to Sep – 20)

Sr. No.	Month	Effluent & Sewage collected from member units + CETP in KL	Treated water Discharge in KL
1	Apr'20	17024	15976
2	May'20	24009	17679
3	June'20	24039	18205
4	July'20	20309	14279
5	Aug'20	26453	20505
6	Sep'20	28542	17840
<b>Total Quantity</b>		<b>140376</b>	<b>104484</b>
<b>Avg. Quantity per Day</b>		<b>767</b>	<b>571</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**

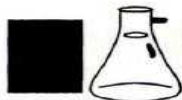
**COMMON EFFLUENT TREATMENT PLANT [CETP]  
MPSEZ UTILITIES PVT LTD (MUPL)  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

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

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

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

**TC - 5945****ISO 9001:2015****ISO 14001:2015****OHSAS 18001:2007**

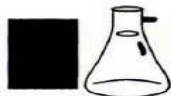
**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.  
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**RESULT OF CETP INTLET**

SR. NO.	TEST PARAMETERS	UNIT	CETP INLET					TEST METHOD
			May-20	June-20	July-20	Aug-20	Sep-20	
1	pH	--	7.39	7.01	7.3	7.84	7.92	IS3025(P11)83Re.02
2	Temperature	°C	31.3	30.9	31.2	30.7	29.8	IS3025(P9)84Re.02
3	Colour	Co-pt	80	90	80	90	85	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	128	174	193	214	202	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	4.8	6.4	7.1	5.8	5.2	APHA(22 <sup>nd</sup> Edi)5520D
6	Phenolic Compound	mg/L	Not Detected	0.012	Not Detected	Not Detected	Not Detected	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.60	1.70	1.64	1.25	1.18	APHA(22 <sup>nd</sup> Edi) 4500 F D SPANDS
8	Iron	mg/L	0.075	3.58	3.2	0.81	1.1	AAS APHA(22 <sup>nd</sup> Edi)3111 B
9	Zinc as Zn	mg/L	0.042	0.075	0.098	0.072	0.095	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Trivalent Chromium	mg/L	0.098	0.12	0.16	0.12	0.1	AAS APHA(22 <sup>nd</sup> Edi)3111 B
11	Sulphide as S	mg/L	1.10	1.6	2.3	1.5	1.3	APHA(22 <sup>nd</sup> Edi) 4500-S
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	42	49	49	16	36	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	138	118	104	88	94	IS 3025 (P44)1993Re.03Edition2.1
14	COD	mg/L	496	383	396	318	330	APHA(22 <sup>nd</sup> Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	729	769	792	712	770	IS3025(P32)88Re.99
16	Sulphate as SO <sub>4</sub>	mg/L	149	69.4	78	56	62	APHA(22 <sup>nd</sup> Edi)4500 SO <sub>4</sub> E
17	Total Dissolved Solids	mg/L	2096	2072	2093	1755	1820	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	APHA(22 <sup>nd</sup> Edi)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B

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

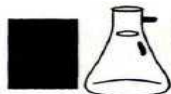
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**RESULT OF CETP OUTLET**

SR. NO.	TEST PARAMETERS	UNIT	CETP OUTLET					GPCB Permissible Limit CETP OUTLET	TEST METHOD
			May-20	June-20	July-20	Aug-20	Sep-20		
1	pH	--	7.88	7.68	7.73	7.81	7.7	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	31.6	31.7	31.8	30.7	29.2	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	30	40	30	50	40	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	41	59	48	56	48	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	10	APHA(22 <sup>nd</sup> Edi)5520D
6	Phenolic Compound	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.62	1.58	1.28	1.10	0.92	2	APHA(22 <sup>nd</sup> Edi) 4500 F D SPANDS
8	Iron	mg/L	0.032	0.18	0.2	0.52	0.68	3	AAS APHA(22 <sup>nd</sup> Edi)3111 B
9	Zinc as Zn	mg/L	Not Detected	Not Detected	0.069	0.044	0.072	15	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Trivalent Chromium	mg/L	0.025	0.044	Not Detected	Not Detected	Not Detected	2	AAS APHA(22 <sup>nd</sup> Edi)3111 B
11	Sulphide as S	mg/L	0.60	0.8	Not Detected	Not Detected	Not Detected	2	APHA(22 <sup>nd</sup> Edi) 4500-S
12	Ammonical Nitrogen as NH <sub>3</sub>	mg/L	28	43	45	23	31	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	32	68	53	45	52	100	IS 3025 (P44)1993Re.03Edition2.1
14	COD	mg/L	165	249	228	210	198	250	APHA(22 <sup>nd</sup> Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	719	749	774	719	712	1000	IS3025(P32)88Re.99
16	Sulphate as SO <sub>4</sub>	mg/L	131	58.98	62	46	48	1000	APHA(22 <sup>nd</sup> Edi)4500 SO <sub>4</sub> E
17	Total Dissolved Solids	mg/L	2011	2044	2078	1829	1730	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	Not Detected	Not Detected	Not Detected	0.6	0.8	1	APHA(22 <sup>nd</sup> Edi)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 <sup>nd</sup> Edi)3111 B

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

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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	12/05/2020	77.58	44.52	17.29	34.57
2	14/05/2020	68.23	28.28	24.26	38.62
3	18/05/2020	84.62	40.23	14.23	31.28
4	20/05/2020	78.58	46.56	18.22	35.28
5	25/05/2020	71.22	32.57	22.46	39.27
6	27/05/2020	80.22	43.48	20.21	29.55
7	03/06/2020	86.45	51.52	18.37	32.44
8	06/06/2020	74.75	31.53	16.37	36.42
9	10/06/2020	89.28	41.57	20.60	39.55
10	13/06/2020	79.80	38.65	17.55	34.24
11	17/06/2020	87.62	33.44	14.38	31.54
12	20/06/2020	76.53	48.23	22.45	40.25
13	24/06/2020	69.52	32.40	15.74	28.42
14	27/06/2020	94.51	39.48	11.38	33.52
15	01/07/2020	66.37	28.61	15.18	33.43
16	04/07/2020	71.27	42.36	19.61	37.37
17	08/07/2020	68.34	37.19	17.20	28.30
18	11/07/2020	76.25	47.23	20.43	36.37
19	15/07/2020	82.34	44.52	18.46	39.35
20	18/07/2020	69.30	39.40	16.64	30.37
21	22/07/2020	79.38	49.23	12.65	27.67
22	25/07/2020	84.21	40.28	14.65	24.36
23	29/07/2020	75.26	34.24	10.34	31.20
24	01/08/2020	70.24	35.50	14.20	30.22
25	05/08/2020	80.35	44.27	22.36	39.24
26	08/08/2020	74.26	31.24	15.35	36.45
27	19/08/2020	84.27	45.36	19.54	28.52
28	22/08/2020	77.26	42.52	21.53	33.27
29	26/08/2020	59.52	26.78	17.53	29.39
30	29/08/2020	68.21	37.57	11.25	22.63

Continue ...

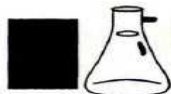
H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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WTP/ NEAR CETP					
Sr.No.	Date of Sampling	Particulate Matter (PM10) µg/m3	Particulate Matter (PM2.5) µg/m3	Sulphur Dioxide (SO2) µg/m3	Oxides of Nitrogen (NO2) µg/m3
31	02/09/2020	82.65	42.36	21.54	38.53
32	05/09/2020	76.27	38.65	25.33	41.31
33	09/09/2020	69.32	32.45	16.38	33.54
34	12/09/2020	85.36	48.23	18.31	31.52
35	16/09/2020	75.36	40.32	24.57	37.57
36	19/09/2020	68.46	27.53	13.53	40.27
37	23/09/2020	73.62	34.53	17.50	25.87
38	26/09/2020	64.34	31.53	19.29	34.24
39	30/09/2020	77.51	29.40	22.27	42.31
LIMIT <sup>#</sup>		100	60	80	80
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011)	Gravimetric- CPCB - Method (Vol.I,May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob &Hochheiser (NaOH-NaAsO2)

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

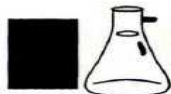
H. T. Shah

Lab Manager



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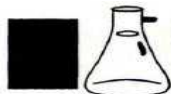
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**RESULT OF AMBIENT AIR QUALITY MONITORING**

<b>AIR STRIP</b>								
<b>Sr. N o.</b>	<b>Date of Sampling</b>	<b>Particulate Matter (PM10) <math>\mu\text{g}/\text{m}^3</math></b>	<b>Particulate Matter (PM 2.5) <math>\mu\text{g}/\text{m}^3</math></b>	<b>Sulphur Dioxide (SO2) <math>\mu\text{g}/\text{m}^3</math></b>	<b>Oxides of Nitrogen (NO2) <math>\mu\text{g}/\text{m}^3</math></b>	<b>Carbon Monoxide as CO <math>\text{mg}/\text{m}^3</math></b>	<b>Hydrocarbon as CH<sub>4</sub> <math>\text{mg}/\text{m}^3</math></b>	<b>Benzene as C<sub>6</sub>H<sub>6</sub> <math>\mu\text{g}/\text{m}^3</math></b>
1	12/05/2020	54.29	21.60	11.22	29.34	0.65	ND*	ND*
2	14/05/2020	72.35	43.51	14.32	26.37	0.36	ND*	ND*
3	18/05/2020	60.26	32.61	9.65	15.36	0.17	ND*	ND*
4	20/05/2020	70.28	36.20	7.54	18.61	0.29	ND*	ND*
5	25/05/2020	49.69	24.39	13.26	23.60	0.63	ND*	ND*
6	27/05/2020	63.47	29.48	12.44	17.52	0.41	ND*	ND*
7	03/06/2020	74.55	42.59	8.27	22.61	0.26	ND*	ND*
8	06/06/2020	56.36	21.55	10.28	18.37	0.48	ND*	ND*
9	10/06/2020	66.35	31.24	16.39	28.65	0.32	ND*	ND*
10	13/06/2020	72.21	35.37	12.22	23.66	0.18	ND*	ND*
11	17/06/2020	83.40	30.23	18.22	26.52	0.21	ND*	ND*
12	20/06/2020	64.55	41.22	9.43	20.66	0.38	ND*	ND*
13	24/06/2020	76.28	36.25	6.54	17.52	0.14	ND*	ND*
14	27/06/2020	60.25	24.51	15.42	29.61	0.23	ND*	ND*
15	01/07/2020	44.26	18.29	9.30	16.53	0.18	ND*	ND*
16	04/07/2020	50.24	26.35	11.24	22.69	0.37	ND*	ND*
17	08/07/2020	63.24	35.41	7.33	19.34	0.14	ND*	ND*
18	11/07/2020	55.25	31.24	14.40	27.21	0.41	ND*	ND*
19	15/07/2020	60.36	26.43	16.62	32.60	0.30	ND*	ND*
20	18/07/2020	52.68	23.43	10.84	18.32	0.21	ND*	ND*
21	22/07/2020	68.44	44.56	15.30	23.64	0.25	ND*	ND*
22	25/07/2020	53.64	22.17	6.43	15.26	0.36	ND*	ND*
23	29/07/2020	64.23	27.64	13.70	26.54	0.44	ND*	ND*
24	01/08/2020	48.26	16.31	8.59	25.53	0.60	ND*	ND*
25	05/08/2020	60.31	35.62	16.34	29.69	0.16	ND*	ND*
26	08/08/2020	79.12	22.42	9.50	18.65	0.37	ND*	ND*
27	19/08/2020	64.26	38.50	17.85	25.36	0.23	ND*	ND*
28	22/08/2020	57.51	23.84	10.59	19.63	0.19	ND*	ND*
29	26/08/2020	65.61	30.19	7.56	20.28	0.13	ND*	ND*
30	29/08/2020	46.35	15.37	6.54	14.35	0.40	ND*	ND*

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



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

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

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	02/09/2020	60.32	23.66	17.66	29.40	0.30	ND*	ND*
32	05/09/2020	72.64	32.30	15.35	34.58	0.36	ND*	ND*
33	09/09/2020	54.34	18.23	10.51	27.54	0.15	ND*	ND*
34	12/09/2020	65.31	36.30	7.60	28.59	0.18	ND*	ND*
35	16/09/2020	56.31	22.53	11.25	21.56	0.24	ND*	ND*
36	19/09/2020	48.61	19.57	9.38	24.54	0.33	ND*	ND*
37	23/09/2020	53.42	17.52	14.84	21.34	0.37	ND*	ND*
38	26/09/2020	62.37	27.50	8.59	25.38	0.13	ND*	ND*
39	30/09/2020	71.85	24.24	12.41	21.52	0.24	ND*	ND*
<b>LIMIT<sup>#</sup></b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>4</b>	<b>Not Specified</b>	<b>5</b>
	<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

\*Not Detected

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

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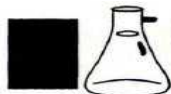
**RESULTS OF NOISE LEVEL MONITORING****Result of Noise level monitoring [Day Time]**

SR. NO.	Name of Location	WTP- NEAR CETP				
		Result [dB(A) Leq]				
		22/05/2020	03/06/2020	03/07/2020	01/08/2020	01/09/2020
1	6:00-7:00	65.3	63.1	68.4	60.7	62.8
2	7:00-8:00	62.4	66.1	62.4	68.7	64.7
3	8:00-9:00	68.3	68.2	63.5	63.4	69.5
4	9:00-10:00	63.2	65.7	69.4	65.8	70.1
5	10:00-11:00	69.2	69.1	62.5	62.2	65.2
6	11:00-12:00	66.5	62.8	64.1	69.0	63.1
7	12:00-13:00	69.3	69.5	61.2	71.4	65.5
8	13:00-14:00	67.3	66.1	63.5	68.8	68.7
9	14:00-15:00	63.2	63.7	68.4	62.4	71.4
10	15:00-16:00	66.1	68.4	66.5	63.7	69.2
11	16:00-17:00	62.4	62.4	62.4	65.2	66.2
12	17:00-18:00	70.3	69.7	68.8	62.9	63.4
13	18:00-19:00	65.3	62.8	63.3	68.4	60.4
14	19:00-20:00	65.2	64.7	68.8	61.3	65.1
15	20:00-21:00	69.2	63.8	62.1	63.8	64.1
16	21:00-22:00	63.1	61.7	62.9	65.7	68.7
Day Time Limit*		75 dB(A) Leq				

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

SR. NO.	Name of Location	WTP- NEAR CETP				
		Result [dB(A) Leq]				
		22/05/2020	03/06/2020	03/07/2020	01/08/2020	01/09/2020
1	22:00-23:00	60.4	68.4	68.4	63.1	65.1
2	23:00-00:00	59.4	66.7	65.5	65.2	62.8
3	00:00-01:00	62.4	63.8	62.1	69.2	68.4
4	01:00-02:00	61.7	60.4	60.4	66.1	64.7
5	02:00-03:00	60.3	62.9	66.3	62.7	69.5
6	03:00-04:00	62.8	65.7	63.7	66.8	66.2
7	04:00-05:00	61.8	62.4	65.4	63.7	63.4
8	05:00-06:00	60.9	61.7	62.1	62.4	65.9
Night Time Limit*		70 dB(A) Leq				

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

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

SR. NO.	Name of Location	AIR STRIP				
		Result [dB(A) Leq]				
	Sampling Date & Time	11/05/2020	24/06/2020	27/07/2020	05/08/2020	16/09/2020
1	6:00-7:00	56.3	58.4	55.5	57.4	57.1
2	7:00-8:00	59.3	62.7	69.8	62.1	60.5
3	8:00-9:00	65.3	60.8	60.4	60.8	62.4
4	9:00-10:00	62.2	63.7	65.4	65.4	65.8
5	10:00-11:00	59.3	66.8	67.1	62.7	64.1
6	11:00-12:00	67.4	63.8	62.4	60.1	63.9
7	12:00-13:00	54.3	60.4	64.1	62.4	65.7
8	13:00-14:00	62.7	59.4	61.5	65.1	69.4
9	14:00-15:00	68.4	62.1	63.1	60.4	62.4
10	15:00-16:00	66.3	63.4	62.4	67.4	60.4
11	16:00-17:00	63.2	60.7	68.4	66.1	63.1
12	17:00-18:00	64.3	65.5	60.1	64.0	61.5
13	18:00-19:00	61.3	63.8	58.4	62.7	61.8
14	19:00-20:00	65.5	60.8	60.7	60.8	60.8
15	20:00-21:00	60.2	63.7	62.4	60.1	62.8
16	21:00-22:00	62.5	62.8	61.8	63.1	64.5
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]				
	Sampling Date & Time	11/05/2020	24/06/2020	27/07/2020	05/08/2020	16/09/2020
1	22:00-23:00	68.4	60.4	63.1	60.4	63.4
2	23:00-00:00	65.1	57.1	60.7	56.1	60.8
3	00:00-01:00	58.1	58.4	54.1	59.4	56.4
4	01:00-02:00	53.4	54.8	52.7	62.7	54.1
5	02:00-03:00	62.1	59.4	59.8	60.8	50.4
6	03:00-04:00	60.4	62.1	55.1	57.1	56.8
7	04:00-05:00	61.4	60.7	62.4	62.4	59.9
8	05:00-06:00	60.8	58.4	60.4	61.5	61.7
Night Time Limit*		70 dB(A) Leq				

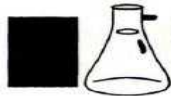
H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

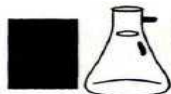
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**RESULTS OF D.G. STACK MONITORING****19/07/2020**

SR. NO.	TEST PARAMETERS	Unit	WTP-SEZ	GPCB Limit	Test Method
			D.G. Set (380 KVA)		
1	Particulate Matter	mg/Nm <sup>3</sup>	23.62	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	6.79	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	32.41	50	IS:11255 (Part-VII):2005

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

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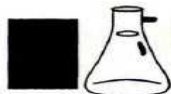
**Minimum Detection Limit [MDL]**

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

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

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

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

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

**FOR**

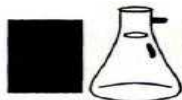
**MPSEZ UTILITIES LTD. (CETP)  
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED  
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

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

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

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

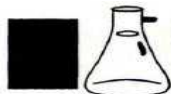
Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

**RESULTS OF BORE HOLE WATER**

SR. NO	TEST PARAMETERS	UNIT	RESULTS	TEST METHOD
			NEAR CETP MAIN GATE 15/07/2020	
	Sampling Date			
1	pH	--	8.31	IS3025(P11)83Re.02
2	Salinity	ppt	4.1	APHA 2520B
3	Oil & Grease	mg/L	Not Detected	APHA(22 <sup>nd</sup> Edi)5520D
4	Hydrocarbon	mg/L	Not Detected	GC/GC-MS
5	Lead as Pb	mg/L	0.031	AAS APHA(22 <sup>nd</sup> Edi)3111 B
6	Arsenic as As	mg/L	Not Detected	AAS APHA 3114 B
7	Nickel as Ni	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
8	Total Chromium as Cr	mg/L	Not Detected	AAS 3111B
9	Cadmium as Cd	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
10	Mercury as Hg	mg/L	Not Detected	AAS APHA- 3112 B
11	Zinc as Zn	mg/L	0.36	AAS APHA(22 <sup>nd</sup> Edi)3111 B
12	Copper as Cu	mg/L	Not Detected	AAS APHA(22 <sup>nd</sup> Edi)3111 B
13	Iron as Fe	mg/L	0.23	AAS APHA(22 <sup>nd</sup> Edi)3111 B
14	Insecticides/Pesticides	mg/L	Absent	GC/GC-MS
15	Depth of Water Level from Ground Level	meter	2.45	--

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





**POLLUCON** LABORATORIES PVT. LTD.

Environmental Auditors, Consultants & Analysts.  
Cleaner Production / Waste Minimization Facilitator

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

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**

## Chiragsing Rajput

---

**From:** Chiragsing Rajput  
**Sent:** Wednesday, May 13, 2020 4:34 PM  
**To:** 'ro-gpcb-kute@gujarat.gov.in'; rowz.bpl-mef@nic.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; ms-gpcb@gujarat.gov.in  
**Cc:** Shalin Shah; Azharuddin Kazi; Vivek Gundraniya; Kripa Shah; Mahendra Kumar Ghritlahre (Mahendra.Ghritlahare@adani.com); Ashvin Kumar Patni; Dhanesh Tank  
**Subject:** Intimation Letter\_Restart of Environment Monitoring Activities\_APSEZ, Mundra  
**Attachments:** Letter\_Restart Environmental Monitoring\_12.05.2020.pdf

Dear Sir,

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

Kindly consider above submission and oblige.

Thanks & Regards  
Chiragsing Rajput

---

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

Dear Sir,

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

So kindly consider this submission and oblige.

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



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APSEZL/EnvCell/2020-21/006

Date: 12.05.2020

To,

**Regional Officer,**

**Regional Office – East Kutch**

Gujarat Pollution Control Board,

Gandhidham – 370201.

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

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

Dear Sir,

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

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

This is for your kind information and reference.

Thanks & Regards

**For, Adani Ports and Special Economic Zone Limited**

**Shalin Shah**

**(Head – Environment)**

**CC To:**

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

**Chiragsing Rajput**

---

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

Dear Sir,

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

So kindly consider this submission and oblige.

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



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APSEZL/EnvCell/2020-21/001

Date: 06.04.2020

To,

**Regional Officer,**

**Regional Office – East Kutch**

Gujarat Pollution Control Board,

Gandhidham – 370201.

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

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

Dear Sir,

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

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

Kindly consider our above submission and oblige.

Thanks & Regards

**For, Adani Ports and Special Economic Zone Limited**



**Shalin Shah**

**(Head – Environment)**

**CC To:**

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

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

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



## ANNEXURE – 1

### REGULATORY PERMISSIONS

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

# **Annexure – 6**



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

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

Sample ID:287511 - Analysis Completion:07/10/2020

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
6243**

**TEST REPORT**

**Test Report No. : 6243**

**Date: 07/10/2020**

- |   |   |
|---|---|
| <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. 141 (PART),MUNDRA</b> |
| <b>3. Nature of Sample</b>                              | <b>: REP-Representative/Grab, (Insp Type : ROU-Routine Visit)</b>                             |
| <b>4. Sample Collected By</b>                           | <b>: Mr. Ghatalia kalpesh c</b>   |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 liter</b>  |
| <b>6. Code No. of the Sample</b>                        | <b>: 287511</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 01/09/2020 , (1545 to 1550) &amp; 03/09/2020</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 03/09/2020 &amp; 07/10/2020</b>  |
| <b>9. Sampling Point</b>                                | <b>: Inlet of CETP ~ -----</b>  |
| <b>10. Flow Details (Remarks)</b>                       | <b>: -</b>  |
| <b>11. Mode of Disposal</b>                             | <b>: -</b>  |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>   |
| <b>13. Temperature on Collection</b>                    | <b>: 31 &amp; pH Range on pH Strip :7-8</b>   |
| <b>14. Carboys Nos for</b>                              | <b>: barcode &amp; Color &amp; Appearance :colorless</b>                                      |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                             |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	31
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.45
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	10
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	754
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	11.2
6	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	85
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	220
8	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	143
9	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	120
10	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.6
11	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.0
12	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	0.65
13	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.0
14	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.192
15	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	0.0
16	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	0.0
17	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	38

**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 07/10/2020

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

**Field Observation** : -

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Note :

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



**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:287515 - Analysis Completion:07/10/2020

**Common treatment and disposal facilities(CETP, TSDF, Ewaste  
recycling, CBMWTF, effluent conveyance project, incinerator,  
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :  
6244**

**TEST REPORT**

**Test Report No. : 6244**

**Date: 07/10/2020**

- |   |   |
|---|---|
| <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. 141 (PART),MUNDRA</b> |
| <b>3. Nature of Sample</b>                              | <b>: REP-Representative/Grab, (Insp Type : ROU-Routine Visit)</b>                             |
| <b>4. Sample Collected By</b>                           | <b>: Mr. Ghatalia kalpesh c</b>   |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5 liter</b>  |
| <b>6. Code No. of the Sample</b>                        | <b>: 287515</b>   |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 01/09/2020 , (1545 to 1550) &amp; 03/09/2020</b>   |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 03/09/2020 &amp; 07/10/2020</b>  |
| <b>9. Sampling Point</b>                                | <b>: OUTLET OF CETP ~ -----</b>   |
| <b>10. Flow Details (Remarks)</b>                       | <b>: observed</b>   |
| <b>11. Mode of Disposal</b>                             | <b>: onland for gardening</b>   |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>   |
| <b>13. Temperature on Collection</b>                    | <b>: 31 &amp; pH Range on pH Strip :7-8 on pH strip</b>                                       |
| <b>14. Carboys Nos for</b>                              | <b>: barcode &amp; Color &amp; Appearance :slight yellow</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	31
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.35
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	10
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	804
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	8
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standai	1 - 2000 mg/l.	12.8
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	76
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	260
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	132
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	104
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.2
12	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.0
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	0.5
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.0
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.145
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	0.0
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	31



**Laboratory Remarks** : Freeze By:251-r.o\_251 Dt.: 07/10/2020

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

**Field Observation** : -

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Note :

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

# **Annexure – 7**

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

Date: **29/09/20**

Common Effluent Treatment Plant

Date: 20/01/2020

Unit	Time	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	04:00	06:00	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	04:00	06:00	08:00	10:00	Total running Hrs
WTPAP Pump (1 & 2)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	12.00
Reactor 5 Pump				✓	✓	✓																		04
Screen Chamber Mechanism		✓																						01
Influent Feed Pump		✓	✓	✓	✓		✓	✓	✓		✓													1.2
Sludge Mixer		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.2
Sludge Blower		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.2
Neutralisation Blower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.4
Line Dosing Mixer																								
Line Dosing Pump																								
Acid Dosing Mixer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													1.4
Acid Dosing pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													1.4
Hyd Electrolyte Dosing Mixer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													1.4
Hyd Electrolyte Dosing Pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													1.4
Primary Clarifier Mechanism		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													2.4
Primary Sludge Drain Mixer												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.0
Primary Sludge Drain Pump												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.0
Aeration I Blower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.4
Aeration II Blower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.4
Secondary Clarifier																								
Sludge Recirculation Pump																								
Secondary Sludge Drain Mixer																								
Secondary Sludge Drain Pump			✓	✓																				2
Sludge Thickener Mechanism																								
Sludge Thickener Drain Mixer																								
Sludge Thickener Drain Pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													1.2
Chlorine Dosing Pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													0.5
Water Feed Pump																								
Flow Meter Reading		Initial	Final	Diff. M3/day	Backwash		Chemical Consumption																	
					Unit	HRS	Chemical	Q/B	Recd.	C/B	Cons													
WTPAP Line		252342	259442	1100	MGF-1	1	Alum	14.80		14.70	0.10													
Reactor 5 Line		234148	234236	58	ACF-1	1	Line																	
Final Outlet (MGF&ACF)		137164	138109	945	MGF-2	1	Acid - HCL																	
Fresh Water Consumption					ACF-2	1	Poly	79.6		79.6	0.00													
Reactor 5 Meter Reading				KWH/day			Sodium Hypo.	211.0		211.0	0.00													

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

Date: **30/09/20**

Common Effluent Treatment Plant															Total running Hrs
Unit	Time	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	00:00	02:00	04:00	06:00		
MITAP Pump (L.D. II)	→	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24	
Sector 5 Pump	✓			✓	✓	✓								24	
Screen Chamber Mechanism	✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Effluent Feed Pump	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Triton Mixer	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Triton Blower	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Neutralisation Blower	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Lime Dosing Mixer														14	
Lime Dosing Pump								✓	✓	✓	✓	✓	✓	14	
Alum Dosing Mixer	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	14	
Alum Dosing pump	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	14	
Poly Electrolyte Dosing Mixer	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	14	
Poly Electrolyte Dosing Pump	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	14	
Primary Clarifier Mechanism	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24	
Primary Sludge Drain Mixer															
Primary Sludge Drain Pump															
Aeration I Blower														24	
Aeration II Blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24	
Secondary Clarifier	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24	
Sludge Recirculation Pump										✓	✓	✓	✓	2	
Secondary Sludge Drain Mixer										✓	✓	✓	✓	2	
Secondary Sludge Drain Pump										✓	✓	✓	✓	2	
Sludge Thickener Mechanism	✓	✓												2	
Sludge Thickener Drain Mixer															
Sludge Thickener Drain Pump															
Chlorine Dosing Pump	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	24	
Filter Feed Pump	✓	✓	✓	✓	✓	✓								24	
Flow Meter Reading		Initial	Final	Diff. M3/day	Backwash		Chemical Consumption								
MITAP Line		253442	254184	742	Unit	HRS	Chemical	O/B	Recd.	C/B	Cons				
Sector 5 Line		284206	284294	88	MGF-1	1	Alum	1472		1424	843				
Final Outlet (MGFBACP)		138109	138916	807	ACF-1	1	Lime								
Fresh Water Consumption					MGF-2	1	Acid - HCL								
Electrical Meter Reading				KWH/day	ACF-2	1	Poly	734		732	643				
Energy Meter of CETP		8036428350	804646293	1004			Sodium Hypo.	4040		1040	643				
Remarks :															
Operator															
Plant Incharge															

# **Annexure – 8**



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

**PCB ID : 29005**

**2. Phone No. :** 9928088180

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

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

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

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

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

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=570034,Kilo Litre=9559

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 7075 / 603 / 1881 / 0

**9. Electricity consumed in PRODUCTION :** 1073244 **ETP/CETP :** 39090 **APCM :** 9426

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

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

**11. Products :** process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),tetra iso-propyl titanate(tpt),tpt based titanates,Wax (IM 3027), by-product

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=7.865,Trucks despatched=13

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	272.200-M.T	
FUE	FUR	fo	96.076-M.T	
FUE	LDO	ldo	1.200-KLT	
GAS		HCL	0.100-KGS	
GAS		NH3	16.970-KGS	
GAS		NOX	938.150-KGS	
GAS		PM	797.350-KGS	
GAS		SO2	1563.470-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2211.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	347.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	323.000-M.T	
PRD	81422	tpt based titanates	315.000-M.T	
PRD	256930	wax (im 3027), by-product	12.000-M.T	

**Online Manifest Prepared**

MF ID- Date	Truck No- Date	TSDF Name	H.W Remark / Qty
1064252- 28/04/2020	GJ01DY2517- 28/04/2020		Vehicle will go as per national government regulations. 2.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1063257- 25/04/2020	GJ01DZ7027- 25/04/2020		Vehicle will go as per national government regulations. 2.665 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1063202- 25/04/2020	GJ01DZ7054- 25/04/2020		Vehicle will go as per national government regulations. 4.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1063153- 25/04/2020	GJ01DZ7401- 25/04/2020		vehicles goes as per national government rules 4.080 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1061890- 21/04/2020	GJ01HT2342- 21/04/2020		Vehicle will go as per national government regulations. 1.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1061866- 21/04/2020	GJ01DY2623- 21/04/2020		Vehicle will go as per national government regulations. 3.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1061802- 21/04/2020	GJ12AT9420- 21/04/2020		Vehicle will go as per national government regulations. 7.865 MTS (35.3)
1061624- 20/04/2020	GJ01GJ7054- 20/04/2020		Vehicle will go as per national government regulations. 2.325 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1061569- 20/04/2020	GJ01DZ7401- 20/04/2020		Vehicle will go as per national government regulations. 3.795 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1061064- 18/04/2020	GJ01DY2517- 18/04/2020		Vehicle will go as per national government regulations 1.910 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1060812- 17/04/2020	GJ01DZ7010- 17/04/2020		Vehicle will go as per national government regulations 2.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1060550- 16/04/2020	GJ01DZ7401- 16/04/2020		Vehicle will go as per national government regulations. 1.820 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1060549- 16/04/2020	GJ01HT2342- 16/04/2020		Vehicle will go as per national government regulations. 1.835 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

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

**PCB ID : 29005**

**2. Phone No. :** 9928088180

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

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

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

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

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

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=580331,Kilo Litre=10297

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 7786 / 706 / 1805 / 0

**9. Electricity consumed in PRODUCTION :** 1278174 **ETP/CETP :** 43440 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=31.865,INC. Waste for Incineration=9.230,Co-Incineration Waste to other Industry=45.610,Trucks despatched=20

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	395.000-M.T	
FUE	FUR	fo	59.810-M.T	
FUE	LDO	ldo	2.119-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	13.080-KGS	
GAS		NOX	856.180-KGS	
GAS		PM	727.400-KGS	
GAS		SO2	1568.740-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	152.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2735.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	510.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	467.000-M.T	
PRD	81422	tpt based titanates	623.000-M.T	
PRD	256930	wax (im 3027), by-product	18.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1080240-30/05/2020	GJ12AZ5021-30/05/2020		Vehicle will go as per national government regulations. 10.360 MTS (35.3)
1080084-30/05/2020	GJ18AX9486-30/05/2020		Vehicle will go as per national government regulations. 3.340 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1079492-29/05/2020	GJ27TT1496-29/05/2020		Vehicle will go as per national government regulations. 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1079422-29/05/2020	HR55R4462-29/05/2020		Vehicle will go as per national government regulations. 3.445 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1079108-29/05/2020	GJ06BT6215-29/05/2020		SPENT CATALYST-35.2 with different description from Process 28.860 MTS (35.2)
1078888-28/05/2020	GJ12BT1134-28/05/2020		Vehicle will go as per national government regulations. 1.680 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1078154-27/05/2020	GJ01DZ3828-27/05/2020		vehicles send as per national government regulations. 2.050 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1078022-27/05/2020	GJ01DZ7003-27/05/2020		Vehicle will go as per national government regulations. 1.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1076979-26/05/2020	DN09U9179-26/05/2020		Vehicle will go as per national government regulations 16.750 MTS (28.1)
1075197-22/05/2020	GJ27TT1496-22/05/2020		Vehicle will go national government regulations. 2.085 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

**N I C**

Date : 18/06/2020

2 / 3

Company Seal

Authorised Signatory

Yours Faithfully



1075024- 22/05/2020	GJ01DZ9922- 22/05/2020		Vehicle will go as per national government regulations 1.875 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1074833- 22/05/2020	GJ01DZ9911- 22/05/2020		Vehicle will go as per national government regulations. 1.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1072763- 18/05/2020	GJ12AT9420- 18/05/2020		Vehicle will go as per national government regulations. 9.230 MTS (28.1)
1071060- 14/05/2020	HR55R4462- 14/05/2020		Vehicle will go as per national government regulations. 3.625 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1071049- 14/05/2020	HR55R4462- 14/05/2020		Vehicle will go as per national government regulations 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1071034- 14/05/2020	GJ01DZ7378- 14/05/2020		VEHICLE WILL GO AS PER RULE. 2.055 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1071002- 14/05/2020	GJ01BV2811- 14/05/2020		Vehicle will go as per national government regulations. 3.460 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1070017- 12/05/2020	GJ12AT9420- 12/05/2020		Vehicle will go as per national government regulations. 14.030 MTS (35.3)
1069599- 11/05/2020	GJ01DZ7412- 11/05/2020		vehicle goes as per national government regulations. 2.390 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1068005- 08/05/2020	HR55R4462- 07/05/2020		vehicle will go as per national government regulations. 3.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1066469- 04/05/2020	GJ12BT0251- 04/05/2020		Vehicle will go as per national government regulations. 7.475 MTS (35.3)

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

**PCB ID : 29005**

**2. Phone No. :** 9928088180

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

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

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

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

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

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=590210,Kilo Litre=9879

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 7553 / 464 / 1862 / 0

**9. Electricity consumed in PRODUCTION :** 1240234 **ETP/CETP :** 41460 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=34.270,INC. Waste for Incineration=8.140,Co-Incineration Waste to other Industry=298.315,Trucks despatched=55

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	418.800-M.T	
FUE	FUR	fo	55.466-M.T	
FUE	LDO	ldo	2.160-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	15.420-KGS	
GAS		NOX	848.280-KGS	
GAS		PM	748.860-KGS	
GAS		SO2	1604.210-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	437.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2576.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	470.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	10.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	414.000-M.T	
PRD	81422	tpt based titanates	545.000-M.T	
PRD	256930	wax (im 3027), by-product	10.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1095474-29/06/2020	GJ15YY1869-29/06/2020		Vehicle will go as per national government regulations. 1.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1095456-29/06/2020	DN09U9179-29/06/2020		Process waste-28.1 16.535 MTS (28.1)
1094186-26/06/2020	GJ01DZ7010-26/06/2020		Vehicle will go as per national government regulations. 2.040 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1094150-26/06/2020	GJ21W3696-26/06/2020		Process Residue-28.1 15.325 MTS (28.1)
1094117-26/06/2020	GJ01DY2517-26/06/2020		Vehicle will go as per national government regulations. 3.535 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1093012-24/06/2020	GJ15YY6316-24/06/2020		Process Waste-28.1 25.030 MTS (28.1)
1092976-24/06/2020	GJ19X1178-24/06/2020		Process Residue-28.1 16.090 MTS (28.1)
1092912-24/06/2020	GJ03BV0965-24/06/2020		Vehicle will go as per national government regulations. 1.320 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1092587-23/06/2020	GJ12AW0109-23/06/2020		Process Residue-28.1 8.140 MTS (28.1)

1092561- 23/06/2020	GJ12Z1708- 23/06/2020		Process Residue -28.1 9.275 MTS (28.1)
1092098- 22/06/2020	GJ12BT2066- 22/06/2020		Vehicle will go as per national government regulations 1.155 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1092076- 22/06/2020	GJ01DZ7412- 22/06/2020		Vehicle will go as per national government regulations 1.820 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1091987- 22/06/2020	DN09U9179- 22/06/2020		Process Residue-28.1 15.675 MTS (28.1)
1091064- 20/06/2020	GJ01DZ7401- 20/06/2020		vehicles send as per national government regulations. 1.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1090720- 19/06/2020	GJ19X7523- 19/06/2020		Process Residue-28.1 14.975 MTS (28.1)
1090575- 19/06/2020	GJ06AU5775- 19/06/2020		SPENT CATALYST-35.2 with different discription from process 24.600 MTS (35.2)
1090329- 18/06/2020	GJ12BT0251- 18/06/2020		Chemical sludge from waste water treatment-34.3 17.210 MTS (35.3)
1089810- 17/06/2020	GJ12Z1708- 17/06/2020		Process Residue-28.1 10.100 MTS (28.1)
1089276- 16/06/2020	GJ12BT9672- 16/06/2020		Vehicle will go as per national government regulations. 0.900 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1089246- 16/06/2020	DN09U9179- 16/06/2020		Process Residue-28.1 16.415 MTS (28.1)
1088917- 16/06/2020	GJ12AY3242- 16/06/2020		MIXED SOLVENT-20.1 15.111 MTS (20.1)
1088802- 16/06/2020	GJ12X2915- 15/06/2020		Vehicle will go as per national government regulations. 15.193 MTS (20.1)
1088800- 15/06/2020	GJ01DZ3828- 15/06/2020		Vehicle will go as per national government regulations. 2.510 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1088799- 15/06/2020	GJ12X3994- 15/06/2020		Vehicle will go as per national government regulations. 15.206 MTS (20.1)
1088714- 15/06/2020	GJ21W3696- 15/06/2020		Vehicle will go as per national government regulations. 16.520 MTS (28.1)
1088408- 15/06/2020	G12AZ9861- 15/06/2020		MIXED SOLVENT-20.1 13.926 MTS (20.1)
1088221- 15/06/2020	GJ12Z1624- 15/06/2020		Vehicle will go as per national government regulations. 14.086 MTS (20.1)
1087856- 13/06/2020	GJ10X6159- 13/06/2020		MIXED SOLVENT-20.1 12.820 MTS (20.1)
1087781- 13/06/2020	GJ12BT4254- 13/06/2020		MIXED SOLVENT-20.1 15.081 MTS (20.1)

1087149-12/06/2020	GJ06VV8108-12/06/2020		Vehicle will go as per national government regulations. 24.340 MTS (28.1)
1087586-13/06/2020	GJ12Y6484-12/06/2020		Vehicle will go as per national government regulations. 15.201 MTS (20.1)
1087589-13/06/2020	HR55R4462-12/06/2020		Vehicle will go as per national government regulations. 3.765 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1087461-12/06/2020	GJ12Z4977-12/06/2020		MIXED SOLVENT-20.1 15.150 MTS (20.1)
1087289-12/06/2020	GJ12AZ9189-12/06/2020		Vehicle will go as per national government regulations. 15.371 MTS (20.1)
1087251-12/06/2020	GJ12Y8708-12/06/2020		Vehicle will go as per national government regulations. 15.024 MTS (20.1)
1086975-11/06/2020	GJ12Z2727-11/06/2020		Vehicle will go as per national government regulation. 14.415 MTS (20.1)
1086893-11/06/2020	GJ19X1178-11/06/2020		Vehicle will go as per national government regulation. 15.145 MTS (28.1)
1086741-11/06/2020	GJ01DZ7054-11/06/2020		Vehicle will go as per national government regulations. 3.950 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1086492-10/06/2020	GJ01DY2623-10/06/2020		Vehicle will go as per national government regulations. 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1086484-10/06/2020	GJ01DZ7436-10/06/2020		Vehicles will go as per national government regulations. 2.070 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1086392-10/06/2020	GJ12BT0251-10/06/2020		Vehicle will go as per national government regulations. 17.060 MTS (35.3)
1085415-09/06/2020	GJ15AT0822-09/06/2020		Vehicle will go as per national government regulations. 22.620 MTS (28.1)
1085596-09/06/2020	HR55R4462-09/06/2020		Vehicle will go as per national government regulations. 1.815 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1085337-08/06/2020	GJ01DZ7207-08/06/2020		Vehicles will go as per national government regulations. 3.672 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1085307-08/06/2020	GJ01DZ7367-08/06/2020		Vehicles will go as per national government regulations. 1.785 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1085146-08/06/2020	GJ01DZ7412-08/06/2020		Vehicle will go as per national government regulations. 3.855 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1084190-06/06/2020	DN09P9876-06/06/2020		vehicles send as per national government regulations. 3.855 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1084038-06/06/2020	DN09P9360-06/06/2020		vehicles send as per national government regulations 3.430 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1083782-05/06/2020	GJ19X7523-05/06/2020		Vehicle will go as per national government regulations. 16.680 MTS (28.1)

1083781-05/06/2020	GJ21W3696-05/06/2020		Vehicle will as per national government regulations. 15.825 MTS (28.1)
1083768-05/06/2020	GJ12BW9362-05/06/2020		Vehicle will go as per national government regulations. 22.000 MTS (20.2)
1083054-04/06/2020	GJ12Z4126-04/06/2020		Vehicle will go as per national government regulations. 20.000 MTS (20.2)
1081697-02/06/2020	GJ15AT0822-02/06/2020		Vehicle will go as per national government regulations. 23.165 MTS (28.1)
1081390-01/06/2020	GJ12DT1134-01/06/2020		Vehicle will go as per national government regulations. 1.670 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1081226-01/06/2020	GJ01DZ9922-01/06/2020		Vehicle will go as per national government regulations. 1.805 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)



- 1. Name & address of Industry :** Dorf Ketel Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ
- 2. Phone No. :** 9928088180
- 3. Date of commencement of Manufacturing process :** 01/04/2011
- 4. CTEs No. & Date :** CEE-72166,26/07/2020
- 5. CCA No. & Date of Expiry :** H-94333, 14/04/2021
- 6. Water Cess (with Interest) paid up to which Period :** 2017-2018
- 7. Laboratory charges pending if any :** 0
- 8. Water consumed during the month (by all sources )in KL :** Meter Reading=59933,Kilo Litre=9323  
**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 6857 / 447 / 2019 / 0
- 9. Electricity consumed in PRODUCTION :** 1228896 **ETP/CETP :** 53170 **APCM :** 9426
- 9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)
- 10. Fuel consumed during the month :** Coal,fo,ldo
- 11. Products :** process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),Sodium bi-sulphide solution (By-product),tetra iso-propyl titanate(tpt),tpt based titanates,Wax (IM 3027), by-product
- 12. Work of Control Measures In Progress :** Nothing in Progress
- 13. Upgradation / Addition of PCM is Required :** Nothing Suggested
- 14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=17.025,INC. Waste for Incineration=11.530,Co-Incineration Waste to other Industry=144.505,Trucks despatched=39

**PCB ID : 29005**

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	404.600-M.T	
FUE	FUR	fo	54.909-M.T	
FUE	LDO	ldo	2.190-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	13.450-KGS	
GAS		NOX	341.610-KGS	
GAS		PM	737.880-KGS	
GAS		SO2	544.890-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2510.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	481.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	4.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	430.000-M.T	
PRD	81422	tpt based titanates	677.000-M.T	
PRD	256930	wax (im 3027), by-product	17.000-M.T	

**Online Manifest Prepared**

MF ID- Date	Truck No- Date	TSDf Name	H.W Remark / Qty
1110912- 31/07/2020	GJ03BV0965- 31/07/2020		Discarded board/container and contaminated liner-33.3 1.305 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1110635- 30/07/2020	GJ19U1204- 30/07/2020		Process Residue & waste-28.1 9.035 MTS (28.1)
1110309- 30/07/2020	GJ12BT1134- 30/07/2020		Discarded Board/Containers/liners-33.3 1.835 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1110301- 30/07/2020	GJ01DZ7383- 30/07/2020		Discarded board/Container/Contaminated liner-33.3 2.255 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1109428- 28/07/2020	GJ01DY2623- 28/07/2020		EMPTY BARREL-33.3 1.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1108779- 27/07/2020	MH04FJ0838- 27/07/2020		EMPTY BARREL-33.3 2.470 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1108431- 27/07/2020	MH04EL6305- 27/07/2020		contaminated IBC-33.1 2.275 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1107437- 24/07/2020	GJ27TT1496- 24/07/2020		IBC FOR recycling 2.185 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1107355- 24/07/2020	HR55R4462- 24/07/2020		Vehicle will go as per rule 3.725 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1107381- 24/07/2020	GJ01DZ7367- 24/07/2020		Vehicle will go as per rule 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1107288- 24/07/2020	GJ21W3696- 24/07/2020		Process Waste & Waste -28.1-Liquid 16.505 MTS (28.1)
1106921- 24/07/2020	GJ12Z2727- 23/07/2020		MIXED SOLVENTS-20.1 14.821 MTS (20.1)
1106879- 23/07/2020	GJ01DZ9911- 23/07/2020		Vehicle will go as per rule 2.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1106871- 23/07/2020	GJ12BT9672- 23/07/2020		Vehicle will go as per rule. 1.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1106838- 24/07/2020	GJ12AU6525- 23/07/2020		Mixed Solvent-20.1 14.996 MTS (20.1)
1106293- 22/07/2020	GJ27TT1496- 22/07/2020		MS Drum 3.780 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1105737- 21/07/2020	GJ15YY6275- 21/07/2020		Vehicle will go as per rule 2.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1105202- 20/07/2020	HR55R4462- 20/07/2020		Vehicle go as per rules. 3.830 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1104445- 18/07/2020	GJ15AT2684- 18/07/2020		Vehicle will go as per rule 1.940 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1104443- 18/07/2020	GJ01DZ7097- 18/07/2020		Vehicle will go as per rule 2.115 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1104374- 18/07/2020	GJ01DZ7203- 18/07/2020		Vehicle will go as per rule 1.920 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1104237- 18/07/2020	GJ18AX0303- 18/07/2020		Chemical sludge from waste water treatment-34.3 16.925 MTS (35.3)
1103938- 17/07/2020	GJ27TT1496- 17/07/2020		Vehicle go as per rules. 3.845 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1103820- 17/07/2020	GJ19X7523- 17/07/2020		Process waste- 28.1 16.390 MTS (28.1)
1102158- 14/07/2020	GJ21W3696- 14/07/2020		Process Residue - 28.1 15.870 MTS (28.1)
1102151- 14/07/2020	GJ27TT1496- 14/07/2020		Vehicle go as per rules. 4.005 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1100455- 10/07/2020	GJ15AT0822- 10/07/2020		Waste with different description -Distillation Residue-36.4 24.515 MTS (36.1)
1100065- 09/07/2020	GJ12AU6174- 09/07/2020		Mixed solvents - 20.1 16.627 MTS (20.1)
1099348- 08/07/2020	GJ03BV2919- 08/07/2020		Vehicle will go as per rule. 1.220 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1098625- 06/07/2020	DN09U9179- 06/07/2020		Process Residue (28.1) 16.775 MTS (28.1)

1097428- 03/07/2020	GJ12AZ0019- 03/07/2020		Used Oil-5.1 8.000 MTS (5.1)
1097171- 03/07/2020	GJ12AT6168- 03/07/2020		Process Residue-28.1 21.380 MTS (28.1)
1096901- 02/07/2020	GJ03BV0965- 02/07/2020		vehicles Will go as per national government regulations. 1.240 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1096906- 02/07/2020	GJ03AT0965- 02/07/2020		vehicles Will go as per national government regulations. 1.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1096873- 02/07/2020	GJJ01DZ7401- 02/07/2020		vehicles as per national government regulations 2.150 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1096855- 02/07/2020	GJ12AZ5021- 02/07/2020		vehicles send as per national government regulations. 11.530 MTS (28.1)
1096784- 02/07/2020	GJ15AT0822- 02/07/2020		PROCESS RESIDUE-28.1 24.035 MTS (28.1)
1096397- 01/07/2020	GJ23AT2438- 01/07/2020		Vehicle will go as per national government regulations. 1.685 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

- 1. Name & address of Industry :** Dorf Ketel Chemicals (India) Pvt. Ltd. (New Name),  
S no-141/P,MPSEZS no-141/P,MPSEZ,  
Mundra - 370421  
DIST : Kutch East, TAL : Mundra, SIDC : MPSEZ
- 2. Phone No. :** 9928088180
- 3. Date of commencement of Manufacturing process :** 01/04/2011
- 4. CTEs No. & Date :** CEE-72166,26/07/2020
- 5. CCA No. & Date of Expiry :** H-94333, 14/04/2021
- 6. Water Cess (with Interest) paid up to which Period :** 2017-2018
- 7. Laboratory charges pending if any :** 0
- 8. Water consumed during the month (by all sources )in KL :** Meter Reading=608830,Kilo Litre=9297  
**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 6875 / 437 / 1985 / 0
- 9. Electricity consumed in PRODUCTION :** 1278356 **ETP/CETP :** 50870 **APCM :** 9426
- 9A. Stack attached to :** Boiler,D.G. Sets,.... Any Other,Fuel Heater(Thermic)
- 10. Fuel consumed during the month :** Coal,fo,ldo
- 11. Products :** cold filter plug point (cfpp) products (anti freezing oil additives),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),tetra iso-propyl titanate(tpt),tpt based titanates,Wax (IM 3027), by-product
- 12. Work of Control Measures In Progress :** Nothing in Progress
- 13. Upgradation / Addition of PCM is Required :** Nothing Suggested
- 14. HAZ Waste Disposal(in Metric Tonne):** Co-Incineration Waste to other Industry=42.710,Trucks despatched=19

**PCB ID : 29005**

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	385.300-M.T	
FUE	FUR	fo	58.817-M.T	
FUE	LDO	ldo	2.460-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	13.450-KGS	
GAS		NOX	328.640-KGS	
GAS		PM	710.490-KGS	
GAS		SO2	524.720-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	335.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2981.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	563.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	521.000-M.T	
PRD	81422	tpt based titanates	681.000-M.T	
PRD	256930	wax (im 3027), by-product	1.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1124816-31/08/2020	GJ19U1204-31/08/2020		Process Residue-28.1 8.225 MTS (28.1)
1124519-30/08/2020	DN09P9876-30/08/2020		33.11 empty drums and Contaminated barrels. 2.075 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1123918-29/08/2020	MH04FJ0838-29/08/2020		33.11- contaminated drums and barrels. 5.200 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1123914-29/08/2020	GJ01DZ7203-29/08/2020		33.11 -Empty barrels and contaminated drums. 2.060 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1123774-28/08/2020	MH04GR3968-28/08/2020		Empty barrel-33.3 3.925 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1122218-25/08/2020	GJ01DZ7412-25/08/2020		Empty barrel-33.3 4.115 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1122213-25/08/2020	MH48J1244-25/08/2020		Empty barrel-33.3 3.780 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1119938-20/08/2020	DN09U9326-20/08/2020		Empty barrel-33.1 4.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1119933-20/08/2020	GJ01DZ7027-20/08/2020		Empty barrel-33.3 4.075 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1119904-20/08/2020	GJ19U1204-20/08/2020		Process waste-28.1 8.330 MTS (28.1)

**N I C**

Date : 23/09/2020

2 / 3

Company Seal

Authorised Signatory

Yours Faithfully



1116843- 13/08/2020	MH04FJ0838- 13/08/2020		Discarded board/container and contaminated liner-33.3 2.665 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1115557- 10/08/2020	GJ01FT1323- 10/08/2020		contaminated drum -33.11 1.835 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1114657- 08/08/2020	HR55R4462- 08/08/2020		CONTAMINATED IBC -33.11 2.340 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1114269- 07/08/2020	DN09U9179- 07/08/2020		Process residue & Waste -28.1-Liquid 17.490 MTS (28.1)
1114190- 07/08/2020	GJ19U1204- 07/08/2020		Process Residue & waste-28.1 8.655 MTS (28.1)
1112606- 04/08/2020	GJ01DY2623- 04/08/2020		Discarded board/container and contaminated liner-33.3 2.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1112572- 04/08/2020	GJ03BV0965- 04/08/2020		Discarded board/container and contaminated liner-33.3 1.215 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1112575- 04/08/2020	GJ01FT1323- 04/08/2020		Discarded board/container and contaminated liner-33.3 1.850 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1111491- 01/08/2020	GJ12AT5668- 01/08/2020		Mixed Solvent-20.1 19.830 MTS (20.1)

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

**PCB ID : 29005**

**2. Phone No. :** 9928088180

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

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

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

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

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

**8. Water consumed during the month (by all sources )in KL :** Meter Reading=617774,Kilo Litre=8944

**Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable :** 6752 / 426 / 1766 / 0

**9. Electricity consumed in PRODUCTION :** 1226379 **ETP/CETP :** 51807 **APCM :** 9426

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

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

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

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

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

**14. HAZ Waste Disposal(in Metric Tonne):** Land Filling Waste to TSDF=11.260,Co-Incineration Waste to other Industry=139.920,Trucks despatched=41

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	378.500-M.T	
FUE	FUR	fo	57.233-M.T	
FUE	LDO	ldo	2.585-KLT	
GAS		HCL	0.060-KGS	
GAS		NH3	12.310-KGS	
GAS		NOX	415.000-KGS	
GAS		PM	837.100-KGS	
GAS		SO2	597.400-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	271.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2530.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	543.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	500.000-M.T	
PRD	81422	tpt based titanates	780.000-M.T	
PRD	256930	wax (im 3027), by-product	14.000-M.T	

**Online Manifest Prepared**

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1141650-30/09/2020	GJ27TT2185-30/09/2020		Process residue-28.1 9.070 MTS (28.1)
1141284-30/09/2020	DN09U9179-30/09/2020		Distillation residue-36.4 17.860 MTS (36.1)
1140817-29/09/2020	GJ19X1178-29/09/2020		Distillation Residue-36.4 17.915 MTS (36.1)
1140134-28/09/2020	RJ27GA3345-28/09/2020		Distillation Residue-36.4 16.910 MTS (36.1)
1138631-25/09/2020	GJ18AX0396-25/09/2020		Chemical sludge from waste water treatment-34.3 11.260 MTS (35.3)
1138043-24/09/2020	DN09R9230-24/09/2020		33.11 Empty barrels and contaminated drum 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1137968-24/09/2020	RJ27GA3345-24/09/2020		Distillation Residue-36.4 18.760 MTS (36.1)
1137990-24/09/2020	DN09R9238-24/09/2020		Empty barrel-33.3 3.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1136974-22/09/2020	GJ01DZ7378-22/09/2020		Empty barrels and contaminated drums-33.1 2.035 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1136913-22/09/2020	DN09P9871-22/09/2020		Empty barrels and contaminated drum-33.1 3.725 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1136846-22/09/2020	DN09U9179-22/09/2020		36.4 Distillation residue 17.515 MTS (36.1)
1136409-21/09/2020	GJ16X9052-21/09/2020		Process Residue and Waste - 28.1 7.660 MTS (28.1)
1136398-21/09/2020	GJ12AT8286-21/09/2020		MIXED SOLVENTS - 20.1 14.008 MTS (20.1)
1136258-21/09/2020	DN09R9961-21/09/2020		Empty barrel-33.3 3.670 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1136285-21/09/2020	MH04GR3986-21/09/2020		Empty barrel-33.3 2.110 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1135560-19/09/2020	GJ01DZ7003-19/09/2020		Empty Barrels - 33.3 1.880 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1135563-19/09/2020	GJ01DZ7383-19/09/2020		Empty barrels -33.3 2.035 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1135012-18/09/2020	GJ12AU6836-18/09/2020		Mixed solvent-20.1 14.644 MTS (20.1)
1135007-18/09/2020	GJ01DZ9922-18/09/2020		Empty barrel-33.3 3.555 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1135009-18/09/2020	GJ01DZ7355-18/09/2020		Empty barrel-33.3 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1134429-17/09/2020	MH04GR3963-17/09/2020		Empty barrel-33.3 4.010 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1134276-17/09/2020	DN09P9874-17/09/2020		Empty Barrel-33.3 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1133992-16/09/2020	DN09R9238-16/09/2020		EMPTY BARREL-33.3 1.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1133924-16/09/2020	GJ16X9052-16/09/2020		Process Residue-28.1 7.635 MTS (28.1)
1133835-16/09/2020	GJ12Z4126-16/09/2020		Mixed Solvent-20.1 19.940 MTS (20.1)
1133774-16/09/2020	MH04EL6305-16/09/2020		Empty Barrel-33.3 3.635 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1133309-15/09/2020	GJ19X1178-15/09/2020		Distillation Residue-36.4 17.610 MTS (36.1)
1132772-14/09/2020	GJ19U1204-14/09/2020		28.1 Process waste 8.985 MTS (28.1)
1132724-14/09/2020	GJ01DZ7355-14/09/2020		33.11 Empty scrap barrels 3.785 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1132507-14/09/2020	DN09U9326-14/09/2020		33.11 Empty drum and barrels contaminated with hazardous chemical waste 4.860 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1130904- 11/09/2020	GJ12BT9672- 11/09/2020		Empty Barrel-33.3 0.690 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1129970- 09/09/2020	GJ12BT9672- 09/09/2020		Empty Barrel-33.3 1.135 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1129982- 09/09/2020	GJ12AW5904- 09/09/2020		Mixed solvent-20.1 13.663 MTS (20.1)
1129290- 08/09/2020	GJ01DZ7027- 08/09/2020		Empty barrel-33.3 4.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1129332- 08/09/2020	GJ01FT1122- 08/09/2020		Empty barrel-33.3 2.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1128663- 07/09/2020	GJ01DZ7003- 07/09/2020		Empty barrel-33.3 1.905 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1128336- 07/09/2020	GJ01DZ9911- 07/09/2020		Empty Barrel-33.3 2.030 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1126022- 02/09/2020	GJ01FT1122- 02/09/2020		Empty barrel-33.3 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1126023- 02/09/2020	MH04GR3963- 02/09/2020		Empty barrel-33.3 2.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1125991- 02/09/2020	GJ01DY4235- 02/09/2020		Empty barrel-33.3 3.575 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1125940- 02/09/2020	GJ01DZ9922- 02/09/2020		Empty barrel-33.3 3.595 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

## DETAILS OF CETP MEMBER UNITS (DISCHARGING INDUSTRIAL EFFLUENT)

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

Sr. No.	Month	Product	Production in MT	Water Consumption, KL	Wastewater Generation, KL
1	Apr'20	Medical gown & Textile and Hygiene textile	827.22	2293	60
2	May'20		975.35	3477	90
3	June'20		974.04	3263	450
4	July'20		922.6	3619	515
5	Aug'20		955.1	2345	750
6	Sep'20		940.79	3154	700



# **Annexure – 9**

3

123724

# Adani Hospitals

PRE / PERIODICAL - EMPLOYMENT MEDICAL EXAMINATION

Mundra

CONTRACTUAL WORKER

Name of Agency: <u>INNOUSOURCE -EMP- 201519196</u>			Date: <u>21/7/20</u>	
Name: <u>SUFIYAN OSMAN KHATRI</u>			RECENT PHOTOGRAPH	
First	Middle	Last		
Address: <u>JUNI MACHHIPITH, MUNDRU</u>				
Age: <u>32</u> Years			Signed across by Examining Doctor	
Date of Birth: <u>16/05/1988</u>				
Sex: <u>M</u> / F			Marital Status: <u>Married</u> / Bachelor	
Identification Mark:-				
Habits: SMOKING (Y / NO) <u>NO</u> TOBACCO (Y / NO) <u>NO</u> ALCOHOL (Y / NO) <u>NO</u>				
Past History: <u>H/O <del>SA</del> <del>CA</del> <del>to</del> <del>lung</del> <del>CA</del> <del>is</del> <del>treated</del> <del>with</del> <del>is</del> <del>treated</del> <del>Hypothyroidism</del> <del>x</del> <del>C</del> <del>month</del></u>			Present Diseases/illness if any:	
Past Job History				
Last Organization Name	Nature of Job	Total Employment in Years	Type of Exposure	
Height in Cm: <u>167</u> Weight in Kgs: <u>82</u> Chest Expansion in Cms: <u>62</u>				
Blood Pressure: <u>120/90</u> Mm of Hg Pulse Rate: <u>75</u> / Min.				
GENERAL EXAMINATION				
Pallor:	Lymph-Nodes			
Jaundice:	Nails			
Oedema:	Gait			
SYSTEMIC EXAMINATION				
Respiratory:	CVS:			
Nervous system:	GIT:			
ntal status:				
ENT Tympanic Membrane:	Hearing Assessment:			
OPHTHALMIC EXAMINATION				
Visual Status/depth perception if required	RE	LE		
Distance	<u>6/6</u>	<u>6/6</u>		
Near	<u>N/6</u>	<u>N/6</u>		
Color vision:(For Heavy Equipment Operators):	<u>No abnormal</u>			
Locomotors system	All Joints Mobility:			
Upper limb:	Lower Limb:	Spine:		
INVESTIGATIONS: (Reports to be attached if required & done)				
PULMONARY FUNCTION TEST:		AUDIOMETRY:		
FIT / UNFIT FOR <u>FIT</u> (Job description)				
Health Report submitted by( MBBS degree holder):				
Name of Examining Doctor: <u>D. V. K. S.</u>		Signature with Seal		
Place:				
Contact No:		Registration <u>ADANI HOSPITALS MUNDRU PVT. LTD.</u>		

ORDER NO.: 1130756 ACC. NO.: 109578 SM NO.: 123724 ADM. NO.:  
 NAME: SUFIYAN OSMAN KHATRI 3 AGE: 32 YEARS GENDER: MALE  
 REFERRED BY: DR.HOSPITAL DOCTOR LOCATION: OPD DATE: 21/07/2020  
 SAMPLE COLL DATE: 21/07/2020 03:51:02PM

## HEMATOLOGY

### APSEZ MUNDRA CONTRACTUAL WORKERS PERIODIC - NON-HAZARD COMPLETE BLOOD COUNT (CBC)

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Normal Range</u>	
COMPLETE BLOOD COUNT				
RBC PARAMETERS				
HAEMOGLOBIN	13.00	gm %	13.5	- 17.5
R.B.C. Count	5.24	mill/c.mm.	4.7	- 6
HCT	41.10	%	42	- 52
MCV	78.44	fL	78	- 100
MCH	24.81	pg	27	- 33
MCHC	31.63	%	32	- 36
RDW	13.30	%	11.5	- 14
WBC PARAMETERS				
Total Leucocytes (WBC) Count	4,800.00	/c.mm.	4000	- 11000
Neutrophils (%)	65.00	%	40	- 70
Lymphocytes (%)	30.00	%	20	- 40
Eosinophils (%)	2.00	%	0	- 5
Monocytes (%)	3.00	%	0	- 6
Basophils (%)	0.00	%	0	- 1
Platelet Count	249.00	th/cmm	150	- 450

"Kindly correlate clinically or by other investigation"

Dr. Avani K Modi

Consultant Pathologist

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 Adani Hospitals Mundra Private Limited, 61 9555  
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 info@adanihospitals.com,  
 www.adanihospitals.com

ORDER NO.: 1130756      ACC. NO.: 109578      SM NO.: 123724      ADM. NO.:  
NAME: SUFIYAN OSMAN KHATRI 3      AGE: 32 YEARS      GENDER: MALE  
REFERRED BY: DR.HOSPITAL DOCTOR      LOCATION: OPD      DATE: 21/07/20  
SAMPLE COLL DATE: 21/07/2020 03:51:02PM

## BIOCHEMISTRY

### APSEZ MUNDRA CONTRACTUAL WORKERS PERIODIC - NON-HAZARD

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Normal Range</u>
<b>BLOOD SUGAR - RANDOM</b>			
Random Blood Sugar	99.00	mg/dl	70 - 160

"Kindly correlate clinically or by other investigation"

Dr. Avani K Modi  
Consultant Pathologist



# Adani Hospitals

Mundra

PRE / PERIODICAL - EMPLOYMENT MEDICAL EXAMINATION

CONTRACTUAL WORKER

Name of Agency: <b>INNOV SOURCE - EMP. 20112552</b>		Date: <b>21-07-20</b>		
Name: <b>PRAVINKUMAR AMTHABHAI PARMAR</b>		RECENT PHOTOGRAPH		
First	Middle			Last
Address: <b>68. SURAJNAGAR. BAROI ROAD. MUNDRA.</b>				
Age: <b>49</b> Years		Signed across by Examining Doctor		
Date of Birth: <b>03-06-1971</b>				
Sex: <b>M</b> / F		Marital Status: <b>Married</b> / Bachelor		
Identification Mark:-				
Habits: SMOKING (Y / NO) TOBACCO (Y / NO) ALCOHOL (Y / NO)				
Past History: <b>NAD</b>		Present Diseases/illness if any: <b>NAD</b>		
Past Job History				
Last Organization Name	Nature of Job	Total Employment in Years	Type of Exposure	
Height in Cm: <b>164</b>		Weight in Kgs: <b>65</b>	Chest Expansion in Cms: <b>76</b>	
Blood Pressure: <b>110/80</b>		Mm of Hg	Pulse Rate: <b>70</b> / Min.	
GENERAL EXAMINATION				
Pallor:	Lymph-Nodes	<b>NAD</b>		
Jaundice:	Nails			
Oedema:	Gait			
SYSTEMIC EXAMINATION				
Respiratory:	CVS:	<b>NAD</b>		
Nervous system:	GIT:			
Mental status:				
ENT Tympanic Membrane:		Hearing Assessment:		
OPHTHALMIC EXAMINATION				
Visual Status/depth perception if required		RE	LE	
Distance		<b>6/6</b>	<b>6/6</b>	
Near		<b>N/6</b>	<b>N/6</b>	
Color vision:(For Heavy Equipment Operators): <b>Normal</b>				
Locomotors system		All Joints Mobility:		
Upper limb:	Lower Limb:	Spine:		
INVESTIGATIONS: (Reports to be attached if required & done)				
PULMONARY FUNCTION TEST:		AUDIOMETRY:		
FIT / UNFIT FOR <b>FIT</b> (Job description)				
Health Report submitted by( MBBS degree holder):				
Name of Examining Doctor: <b>Dr. [Signature]</b>		Signature with Seal <b>MEDICAL OFFICER</b>		
Place:		Registration No. <b>ADANI HOSPITALS MUMDRA PVT</b>		
Contact No:				

ORDER NO.: 1130763      ACC. NO.: 109584      SM NO.: 123731      ADM. NO.:  
 NAME: PRAVINKUMAR PARMAR 2      AGE: 2 YEARS      GENDER: MALE  
 REFERRED BY: DR.HOSPITAL DOCTOR      LOCATION: OPD      DATE: 21/07/202  
 SAMPLE COLL DATE: 21/07/2020 04:13:25PM

## HEMATOLOGY

### APSEZ MUNDRA CONTRACTUAL WORKERS PERIODIC - NON-HAZARD COMPLETE BLOOD COUNT (CBC)

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Normal Range</u>	
COMPLETE BLOOD COUNT				
RBC PARAMETERS				
HAEMOGLOBIN	14.10	gm %	10.5	- 14
R.B.C. Count	4.96	mill/c.mm.	3.8	- 5.4
HCT	43.50	%	32	- 42
MCV	87.70	fL	72	- 88
MCH	28.43	pg	24	- 30
MCHC	32.41	%	32	- 36
RDW	13.30	%	11.5	- 16
WBC PARAMETERS				
Total Leucocytes (WBC) Count	5,500.00	/c.mm.	6000	- 14000
Neutrophils (%)	55.00	%	20	- 50
Lymphocytes (%)	40.00	%	40	- 70
Eosinophils (%)	1.00	%	0	- 5
Monocytes (%)	4.00	%	0	- 6
Basophils (%)	0.00	%	0	- 1
Platelet Count	268.00	th/cmm	150	- 450

"Kindly correlate clinically or by other investigation"

Dr. Avani K Modi

Consultant Pathologist

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 Adani Hospitals Mundra Private Limited  
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 info@adanihospitals.com,  
 www.adanihospitals.com

ORDER NO.: 1130763      ACC. NO.: 109584      SM NO.: 123731      ADM. NO.:  
NAME: PRAVINKUMAR PARMAR 2      AGE: 2 YEARS      GENDER: MALE  
REFERRED BY: DR.HOSPITAL DOCTOR      LOCATION: OPD      DATE: 21/07/2020  
SAMPLE COLL DATE: 21/07/2020 04:13:25PM

## BIOCHEMISTRY

### APSEZ MUNDRA CONTRACTUAL WORKERS PERIODIC - NON-HAZARD

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Normal Range</u>
<b>BLOOD SUGAR - RANDOM</b>			
Random Blood Sugar	88.00	mg/dl	70 - 160

"Kindly correlate clinically or by other investigation"

**Dr. Avani K Modi**  
Consultant Pathologist

Adani Hospitals Mundra Private Limited  
Nr. Samudra Township,  
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# **Annexure – 10**

## Details of Greenbelt Development at APSEZ, Mundra

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

# **Annexure – 11**

Certificate No. : MUL/CETP/2020-21-01

**TO WHOM SO EVER IT MAY CONCERN**

It is to certify that **M/s. Ahlstrom-Munksjo Fibercomposites India Pvt. Ltd.** at Plot No. 4, Block B, Sector 12S, Adani Ports & SEZ Limited, Mundra, Dist. Kutch - 370421 is the member unit of Common Effluent Treatment Plant (CETP) operated by M/s. MPSEZ Utilities Limited (Formerly, MPSEZ Utilities Pvt. Ltd.).

The booked capacity of M/s. Ahlstrom-Munksjo Fibercomposites India Pvt. Ltd. for discharge of effluent to the Common Effluent Treatment Plant (CETP) is **25 KLD\***.

1. **Total Capacity of CETP** : 2.5 MLD
2. **Consented Capacity of CETP** : 2.5 MLD (Consent Order No. AWH - 79311, Valid till 07.04.2021)
3. **Occupied Capacity of CETP** : 1.66 MLD (Considering this booked quantity)
4. **Spare Capacity of CETP** : 0.84 MLD

M/s. Ahlstrom-Munksjo Fibercomposites India Pvt. Ltd. should discharge their effluent to the Common Effluent Treatment Plant (CETP), which MPSEZ Utilities Limited. accepts at Common Effluent Treatment Plant (CETP) as per inlet norms mentioned in Consolidated Consent & Authorization (CC&A).

This membership is valid for a period of 5 Years.

**Date of Issue** : 27.07.2020  
**Date of Expiration**: 26.07.2025  
**Place of Issue** : Mundra, Kutch

This is for your kind information please.  
**For, MPSEZ Utilities Limited**

**(Authorized Signatory)**

\* This membership is issued subject to verification of member industry's CC&A and unit has to inform to the CETP in case of any augmentation or reduction in effluent discharge quantity as per their amendment application to the state pollution control board.



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

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

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

**Inlet Parameters of CETP as per CC&A:-**

Sr. No.	Parameters	Unit	Value
1.	pH	--	6.5 to 8.5
2.	Temperature	°C	--
3.	Colour (Pt. Co. Scale)	Units	100
4.	Suspended Solids	mg/L	800
5.	Oil & Grease	mg/L	20
6.	Phenolic Compounds	mg/L	1.0
7.	Fluorides	mg/L	2.0
8.	Iron	mg/L	3.0
9.	Zinc	mg/L	15.0
10.	Trivalent Chromium	mg/L	2.0
11.	Sulphide	mg/L	2.0
12.	Ammonical Nitrogen	mg/L	50.0
13.	BOD (3 days at 27°C)	mg/L	1000
14.	COD	mg/L	2000
15.	Chlorides	mg/L	1000
16.	Sulphates	mg/L	1000
17.	Total Dissolved Solids	mg/L	2100
18.	Total Residual Chlorine	mg/L	2.0
19.	Copper	mg/L	3.0
20.	Trivalent Chromium	mg/L	3.0

# **Annexure – 12**

# CETP Maintenance Work

April-20 to Sept.-20



## CETP all pump motors coupling / Belt drive guard installation work done



## MITAP to CETP Effluent transfer pump replacement with new header modification





## CETP Inlet and outlet pipe repairing work done





**MITAP pump hose flow meter modification work done.**



**New pumping system installed to transfer treated water to horticulture for different locations in SEZ**



## Neutralization blowers preventive maintenance work done





**Treated water piping connectivity done from CETP to horticulture tank at different locations at SEZ**





# **Annexure – 13**

### Cost of Environmental Protection Measures

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

# **Annexure – 14**



# C S R   K U T C H

## ► Six Monthly Report 2020-21

### **Adani Foundation**

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



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# Fight Against COVID-19

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

24

villages of Mundra block Sanitized



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

45000+

Mask prepared by SHG group



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

1800+

food packet per day two time



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



9000+ ration kit support



Ration Kit support to Daily Wage Labors and Needy people

150+ beneficiaries covered



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

12500 people connected



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

1400+ patient covered



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

Important of handwashing & hygiene



Creating awareness of handwashing and hygiene by Sangini

57 senior citizens of old age home



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

# Environmental Sustainability

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

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





# Environmental Sustainability

## Water Conservation Projects

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

- A large number of water harvesting structure ( 18 Nos. of check dams in coordination with salinity department)
- Ground recharge activities (pond deepening work for more than 52 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan were built leading to a significant increase in water table and higher returns to the farmers
- Roof Top Rain Water Harvesting 54 Nos. which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 75 Nos which is best ever option to conserve ground water



# Environmental Sustainability

## Water Conservation Projects

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





# Environmental Sustainability

## Bio Diversity Park – Mundra

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

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

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





# Environmental Sustainability

## Bio Diversity Park – Mundra

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

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

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

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

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





# Environmental Sustainability





# Environmental Sustainability

## Coastal Bio Diversity Park – Luni

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

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

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

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



# Environmental Sustainability

## Coastal Bio Diversity Park – Luni

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

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





# Environmental Sustainability

## Tree Plantation

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



# Environmental Sustainability

## Drip Irrigation Projects

- **Basis of Requirements of Drip Irrigation**

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

- **Process of Drip Support**

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

Inspection and verification will be by AF representative.

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

Farmer will be informed by telephonic to have form query.

Primary information about farmer land will be received by telephone.

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

Verification report submitted to account office.

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

Farmer economic study after our support. – Follow up

- **We have covered 295 farmers and 1422 acre drip irrigation area in last two years which is remarkable for water conservation – in this six months we have covered 51 farmers and 310 Acre land for the same.**





# Environmental Sustainability

## Sea Weed Projects

The cultivation of seaweed have significant potential for the sequestration of carbon dioxide (CO<sub>2</sub>) and will very fulfill in mitigating the climate change. Seaweeds are macrophysics algae, a primitive type of plants lacking true roots, stems and leaves. They provides valuable source of raw material for industries like health food, medicines, pharmaceuticals, textiles, fertilizers, animal feed etc.

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

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





# Environmental Sustainability

## Homebiogas Project

Home biogas is the Israel based company was founded in 2012 manufactures dynamic biogas unit not only for farm waste but for kitchen waste too.

Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 95 home biogas in Dhrub, Zarpara and Navinal Villages.

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

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

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

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

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



# Utthan

## Academic

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

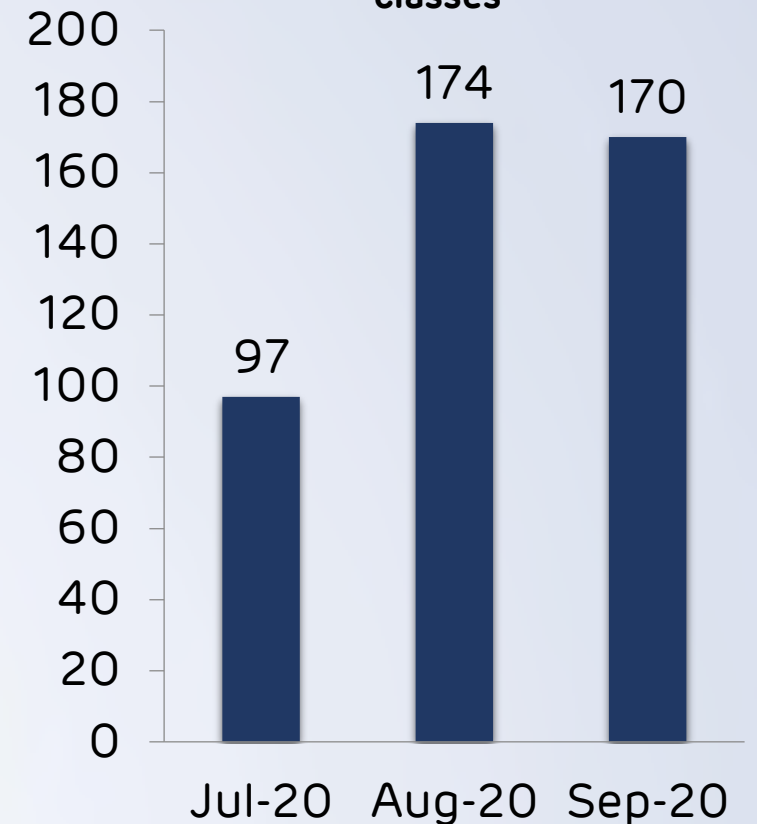
**Mother's meet** 3 Mothers' meet conducted 148 Mothers' were addressed



### Topic covered –

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

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





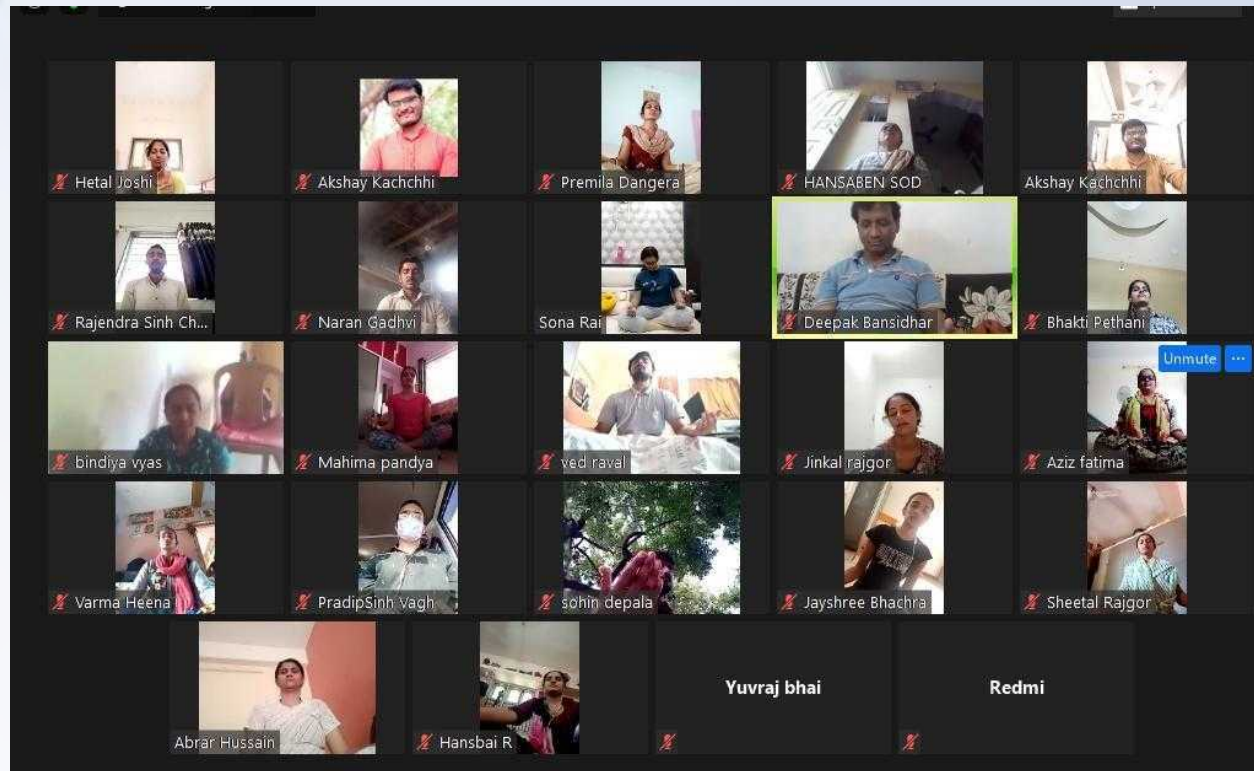
# Utthan

## 06 Virtual Capacity Building Program on various topic through Microsoft team

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

Topics covers -

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



# Utthan



Arrange various competition and celebration for Priya Vidyarthi



School Visit and Home Visit by Utthan Sahayak

## Meeting with School principals and Utthan Sahayaks

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

### Agenda:

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





# Adani Vidya Mandir Bhadreshwar

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

**82.60%** - Result SSC Board Exam



## Tab Distribution

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





# Adani Vidya Mandir Bhadreshwar

## Activities Covered

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



# Health

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

## 11 Rural Clinic

8 from Mundra 3 from Anjar block treated ;

**8196** patients.

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

**6879** patients benefited during six month

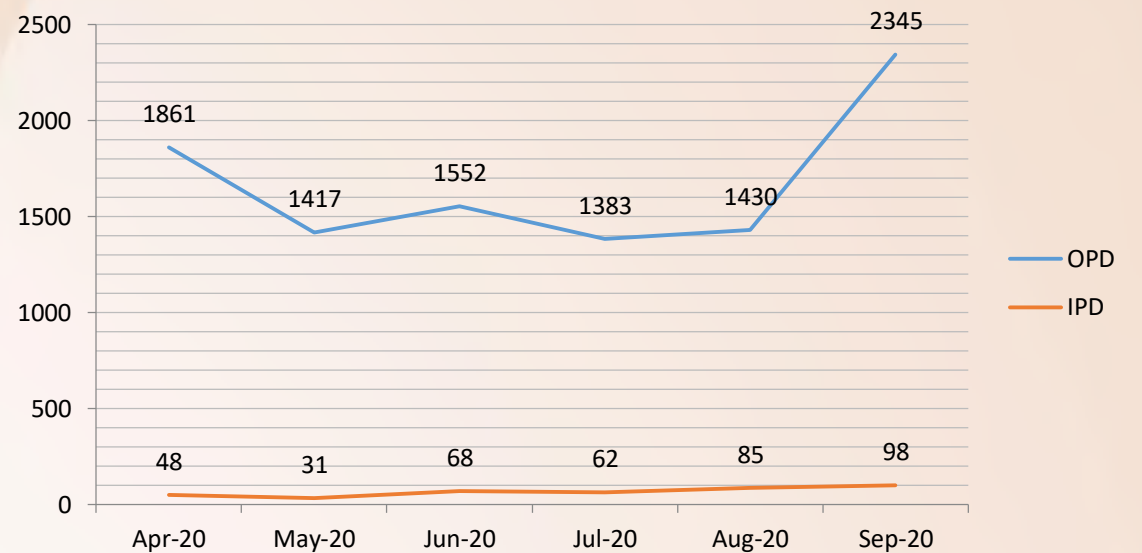


# Health

## Project wise detail

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

## AHMPL OPD & IPD detail



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



# Health

## Dialysis Support



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



### Sr. Citizen project

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

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



## Medical Support

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

# Health

## Abhimanyu Project

Having pregnancy is the precious for women as well as her family. But sometimes some complication may arise which can be fatal for mother and child due to incomplete knowledge and irregular health check-up. To resolve its at some extent we design Abhimanyu health calendar with all details about diet, vaccination, symptoms and precautionary measures in Gujarati language with pictures so the pregnant women can be align with it's regularly.



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

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





# Sustainable Livelihood Development

## Education:-

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

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



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

## Alternative livelihood

## Fisher folk



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

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

# Sustainable Livelihood Development

## Government Scheme Facilitation.



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

**30 KCC form fill-up at Navinal.**

Created awareness with Telephonic about same.

## Sea Weed Culture

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

Pilot phase -3500Kg seaweed was harvested Based on that MOU with **ICCSIR** (Brach of VRTI) to expand sea weed Culture by Offshore and inshore Method

We have to support for Community Mobilization and land for inshore Seaweed Culture.



## Potable Water at Fishermen Vasahat

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

Availing pure drinking water to fishermen vasahat.

To mitigate born disease and women drudgery to get water

**1113 fishermen** are getting benefit of its

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



# Sustainable Livelihood Development

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

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

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

## Fodder cultivation

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



# Sustainable Livelihood Development

## Government Scheme Facilitation

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

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

66 people are getting benefits of various government scheme





# Sustainable Livelihood Development

## Women Empowerment

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

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

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

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

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



₹ 6,00,000+  
income has been earned



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



# Sustainable Livelihood Development



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



## Tissue Culture

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

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

## Fodder support

Fodder support in 20 villages of Mundra and Anjar block.

Dry fodder 6.70 lacs kg  
Green fodder 11.60 lacs kg





# Sustainable Livelihood Development



## Home Bio Gas

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

## Model Farming

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



## Dragon Fruit Farming

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



# Sustainable Livelihood Development



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



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

**ORGANIC FARMER'S HAAT**  
by  
जैविक बाजार  
Healthy Food for Healthy Life  
Date: 23rd August, 2020  
Time: 10 AM to 11 AM  
Venue: Shopping Center, Shantivan colony

**We Believe and Deliver**  
Nutritious, Tasty, Chemical Free Naturally Grown Produce at your doorsteps directly from Farm

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



# Community Infrastructure Development

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

## Development of Prisha Park at Mundra.



## Pond Bund strengthening at Zarpara Village



# Community Infrastructure Development

## Work In Progress:-

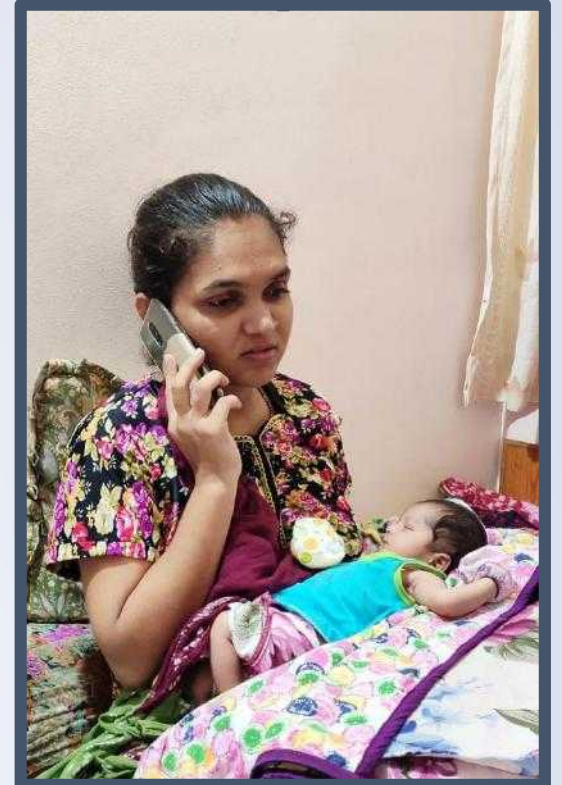
1. Drainage Line and Chamber work at Bhopavandh.
2. Drainage Maintenance & JCB Hiring & Other Mis. Work.
3. Road Repairing at Kutdi Bandar.
4. Road Repairing at Zarapra Fisherman Vashat.
5. Road Repairing at Luni Pagadiya Fisherman





# SuPoshan

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



# SuPoshan

Covid-19 awareness in village & Slum Area

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

204 beneficiaries covered in Breastfeeding Week

320 beneficiaries covered in National Deworming Day

20 villages covered in celebration of NATIONAL NUTRITION MONTH

42 FAMILY COUNSELLING

Participate in Umbre Anganwadi episode





# SuPoshan

## THANKS GIVING PROGRAMME" MUNDRA & BITTA Site

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

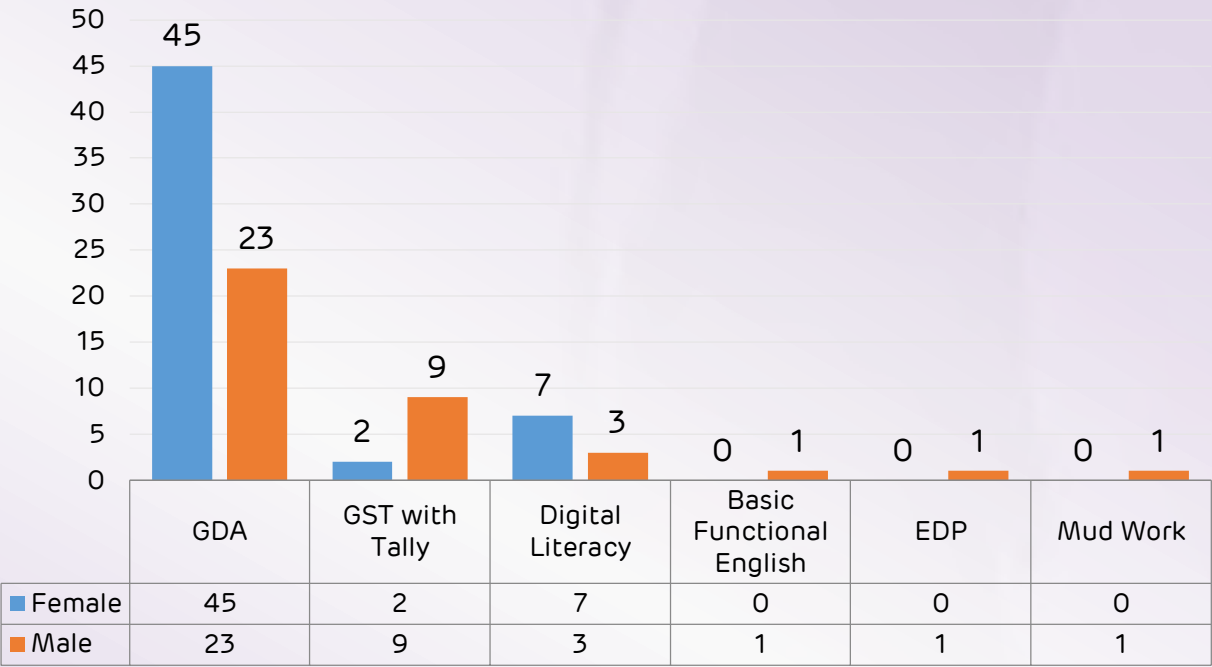


SuPoshan Thanksgiving program was organized. In this webinar DDO, CDPO Mundra and other dignitaries remained present and appreciated the efforts to overcome malnourishment in Mundra and Bitta.

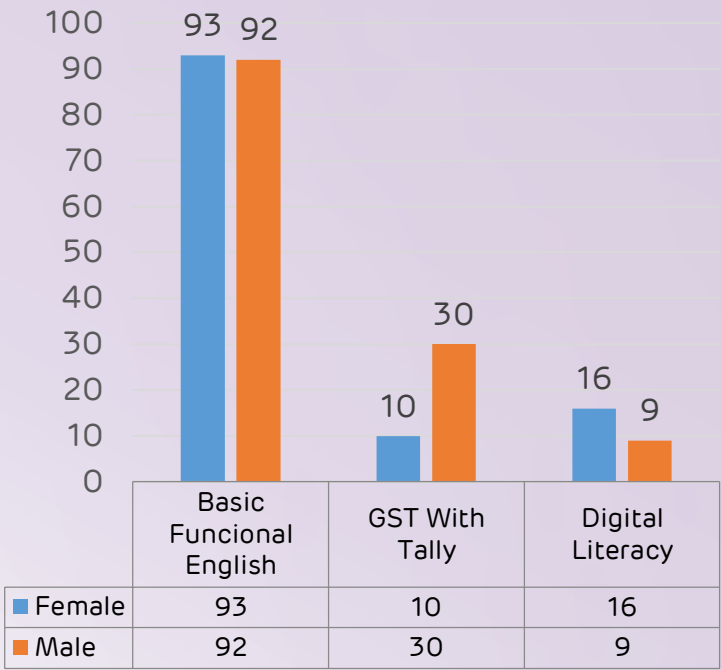
# Adani Skill Development Centre

Admissions From April to September, 2020

OHO Model (Subsidized)



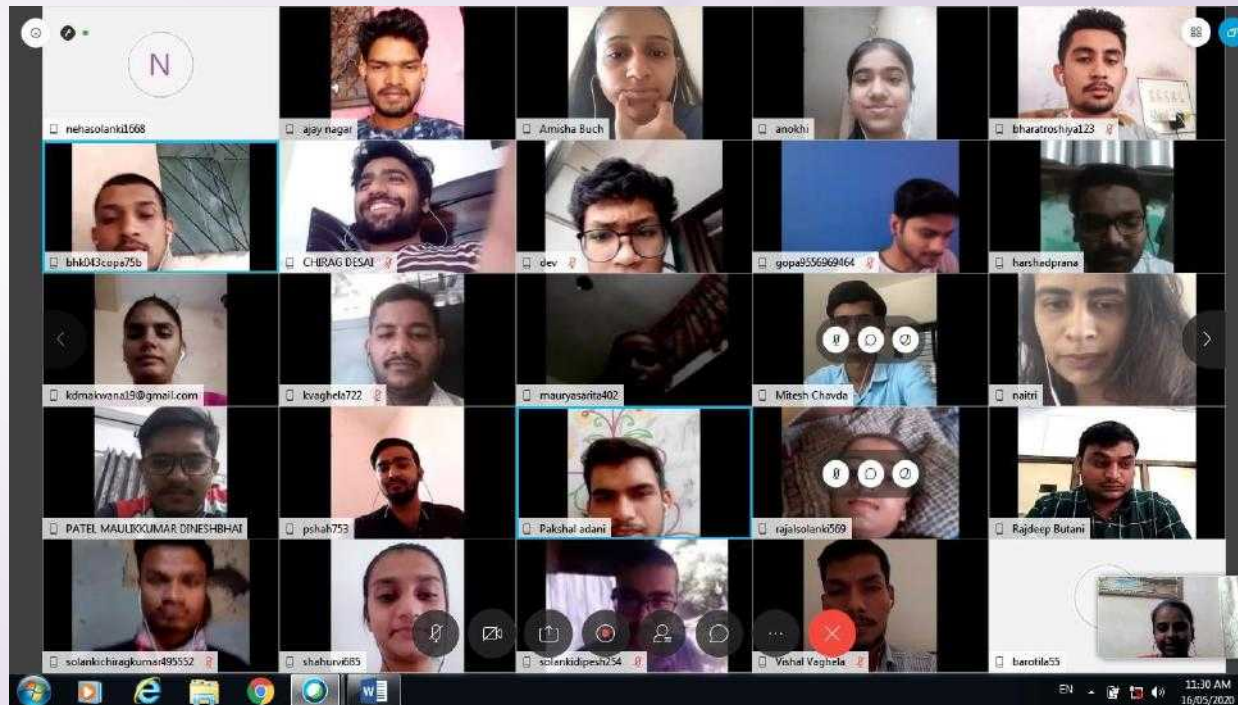
Free Training Model



# Adani Skill Development Centre

## E-Learning

324 students Enrolled in Online Training



## Various Activity

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





# Adani Skill Development Centre

## Interview and Placement

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

**27** students get placement in GAIMS (sodexo), Alilance Hospital, Shreeji Hospital, Bhuj Fire Academy, Divine Hospital etc.

**3 students are working in COVID-19 Hospital**



# Adani Skill Development Centre

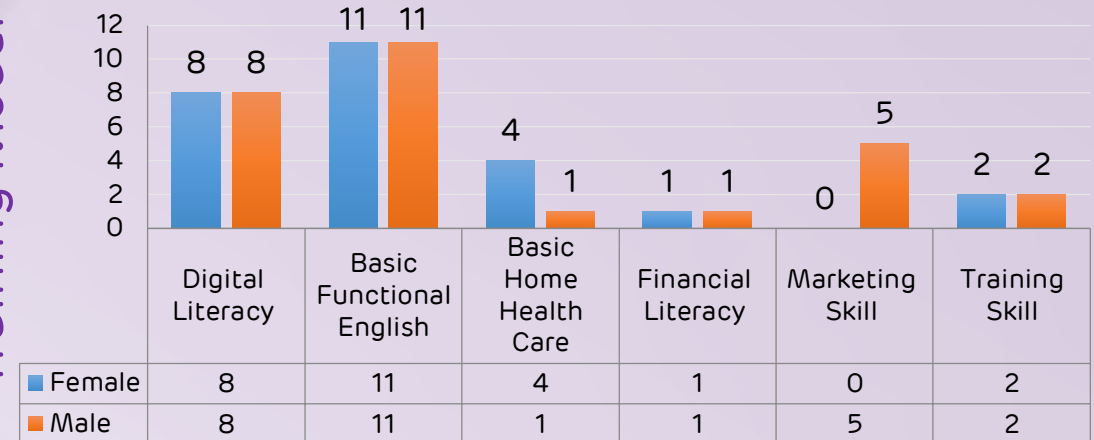
## Admissions From April to September, 2020

### E-Learning & Activity

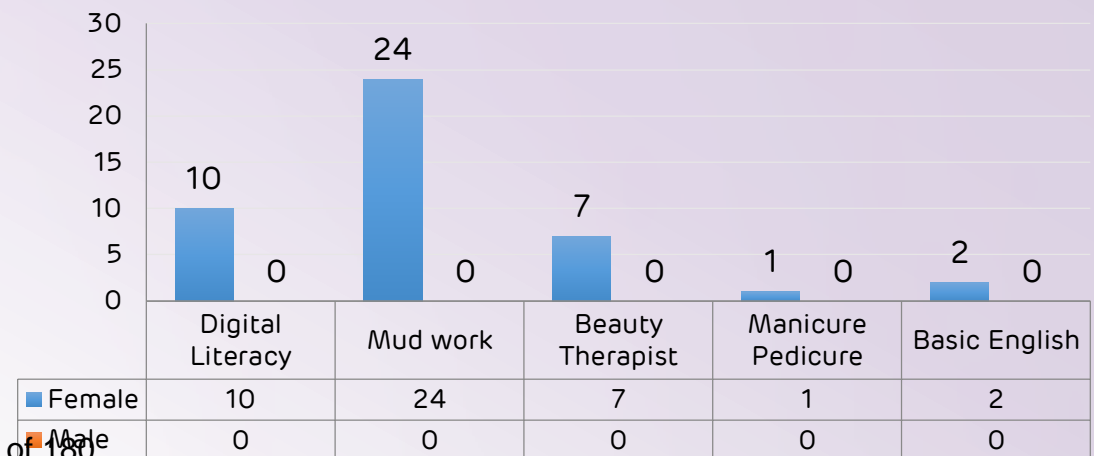
- Online E- Learning training of Interview skill course
- Online training of Mud work – Theory and practical



### Free Training Model



### Subsidized Training Model





# CSR - Nakhatrana

## Recharge Bore well

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



## Benches and Otta Work

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

## Tree Guard Support

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





# CSR - Nakhatrana



## Swavlamban Divyang Support

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

## SETU Agriculture Projects

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



## SETU Widow/Divyang Support

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



# CSR - Nakhatrana

## Biodiversity - Ugedi

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

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





# CSR - Lakhpatt



## Tree Guard Support

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



## Fodder Cultivation

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





# CSR-Tuna



## Rations Kits Support

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

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

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

Total 1100 Ration Kits Distributed to Tuna Rampar and Vandi Villages

## SETU – Widow/Divyang Support

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

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





# CSR-Tuna



## Potable water Distribution

at Vira and Ghavarvado  
Fishermen Vasahat

## Water Project

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



## Fodder Support

Fodder distribution to Rampar and Tuna Villages.  
**Rampar**

15520 Kg dry Fodder Rs.1.1 Lacs

122930 Kg Green Fodder Rs.3.50 Lacs

**Tuna**

32430 Kg Dry Fodder Rs.2.65 Lacs

212800 Kg Green Fodder Rs.6.06Lacs.

## Tree Plantation

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





# EVP-Employee Volunteering program



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

35 tablet  
for students of AVMB

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



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

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



# Events

## World Environment Day

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

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





# Events

## Vanmhotsav

4100+ tree plantation

Vanmhotsav tree plantation :

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

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





# Events

## World Mangrove day

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

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



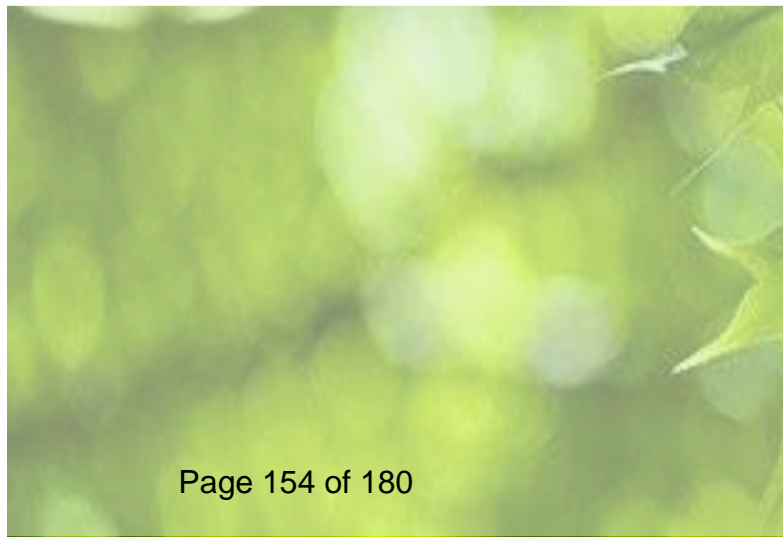


# Events

## World ocean day

### World ocean day

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



## My Mother's dream became true

**Name:** Mura Keshabhai Dhuva

**Place:** Khavda, Bhuj, Kutch, Gujarat

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

**Job:** Joined as Nursing Assistant.

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

### **Candidate Brief:**

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

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

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

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





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

**Name:** Nipul Punjabhai Sanjot

**Place:** Bidada-Mandvi, Kutch, Gujarat

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

**Job:** Joined as Nursing Assistant.

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

### **Candidate Brief:**

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

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

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

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



## Stick at old ages

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

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

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

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





## "Vidyadan Mahadan"

**Name:** Sohil Gafur Manjaliya

**Place:** Luni ,Mundra

**AF intervention:-** Education Scholarship Support

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

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

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

**In his own words:**

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

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

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

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



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

## Real Support

Name: Harkhumben hirabhai Rabari

Place: Jinjauu, Nakhtrana

AF intervention:- Sewing Machine Support.

Progress & Achievement:- Started Embroidery and sewing work

Income : Rs.2500 to 3000/Month

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

In his own words:

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

Thanks to Adani foundation to be supporter to such disable persons

## Sea of Change – I got a job ....

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

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

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

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

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

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

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





# Media coverage



## જીવન સાથે જીવનનિર્વાહની સામર્થવાન કામગીરી કરતું: અદાણી ફાઉન્ડેશન

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

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

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



મુંદરામાં અદાણી ફાઉન્ડેશન દ્વારા વિતરણ કરવામાં આવેલી રાશન કીટ.

**અદાણી ફાઉન્ડેશને મુંદરાના વલ્લભ વિદ્યાલયનાં ૮૦૦ બાળકને દત્તક લીધાં**  
મુંદરા, તા. ૨ : અદાણી ફાઉન્ડેશન દ્વારા વલ્લભ વિદ્યાલયનાં ૮૦૦ બાળકને દત્તક લીધાં. આ દત્તક લેવાનું કાર્ય છેલ્લા બે વર્ષથી ચાલુ છે. આ દત્તક લેવાનાં કાર્યમાં અદાણી ફાઉન્ડેશનના કાર્યકર્તાઓ અને સ્થાનિક સરકારના કાર્યકર્તાઓની સહયોગીતા હાજર રહી છે.

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

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



માસિક એ શારીરિક પ્રક્રિયા હોવાથી અપવિત્રતા સાથે ન જોડો અદાણી ફાઉન્ડેશન દ્વારા રાષ્ટ્રીય માસિક સ્ત્રાવ સ્વચ્છતા દિવસની ઉજવણી કરાઈ  
મુંદરા : ફાઉન્ડેશન દ્વારા કાર્યરત આશા સહેલી ગ્રૂપે સેનેટરી પેડનું વિતરણ કરતાં નિકાલ  
ગત તા. ૨૮મના રાષ્ટ્રીય માસિક સ્ત્રાવ સ્વચ્છતા દિવસની અદાણી ફાઉન્ડેશન દ્વારા ઉજવણી કરવામાં આવી હતી. આ પ્રસંગે આમ સને જાગૃતિ અભિયાન હેઠળના માસિક એ શારીરિક પ્રક્રિયા હોવાથી તેને અપવિત્રતા સાથે ન જોડતા આ સમયગાળા દરમિયાન મહિલાઓ પરત્વે ભેદભાવ નહીં રાખવા

● અદાણી ફાઉન્ડેશનનો સહયોગ અને ડાયરેક્ટરો સમન્વય થકી ઘરતીપુત્રોને કૃષિ ક્ષેત્રે મળશે સારા.

● ઓક્ટોબરના અંત સુધીમાં ૨૦૦ સભાસદોને મુંદરા તાલુકાના ૮ ગામોના ૩૪ ખેડૂતોને બારહી ખારેકના ટીસ્યુક્લર રોપાઓનું વિતરણ કરાવું

**ભુજપુર આસપાસ ૨૩ લાખના ખર્ચે વિવિધ વિકાસકામો સંપન્ન : ખાનગી કંપનીનો સહયોગ**

ભુજપુર (તા. મુંદરા), તા. ૨૧ : મુંદરા તાલુકાના કી વિસ્તારમાં મહત્વના ભુજપુર ગામની આસપાસ ખાજુ વાડરાં વાડી વિસ્તારમાં અગાઉ ચાલત કામના તમામ મને પૂર્ણ કરવા એ તમામ પાસીનો સંબંધ આર્થિક થતો હતો. જો પાસીનો સંબંધ વધુ માથ તો જ આ વિસ્તારમાં આપણી વાડીમાં પાસીના પ્રક્રિય રાહત મળી સ તેથી હાલ જતી જે અદાણી ફાઉન્ડેશન પુરી કરી આપણે છે. અહીંના નાગમની નામિ આવતું વરસાદી પાસી તમામ પ્રકારે જવાબ આપે મા ખેડૂત અમલકી નારાણના મુખાર કામગીરી અને સરકારી કામગીરી અમલકી જે

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

અહીં, દત્તારેય ગોખલે તેમજ અદાણી સેન્ટ્રાલ પોર્ટના એક્ઝીક્યુટીવ પ્રપ્રેક્ટર રશિતભાઈ શાહે

**અદાણી સ્કિલ ડેવ. દ્વારા નિ:શુલ્ક ઓનલાઈન વ્યવસાયલક્ષી અભ્યાસક્રમ**  
ભુજ, તા. ૧૦ : અદાણી જોડાય છે. તાલીમ ૫૦ દિવસ સુધી ચાલશે. રોજ બે કલાક ચાલતી આ તાલીમમાં હજુ પણ કચ્છાથી કોઈ જોડવા ઈચ્છુક

## નર્સિંગ કોર્સના ૨૦ તાલીમાર્થીઓને પ્રમાણપત્ર પહેલા જ નોકરી મળી

ભુજમાં અદાણી સ્કિલ ડેવલોપમેન્ટ દ્વારા અપાઈ હતી તાલીમ

કચ્છમાં જરૂરિયાત મુજબ નિમણુક અપાવવામાં પ્લેસમેન્ટ ઓફિસ નિરવ લેઉવા, કિન્નરી ઉમરાણીયા તથા રોહન સોની મદદરૂપ થયા હતા.

તાલીમ માટે અસ્મિતાબેન જેઠી અને પૂર્વી ગોસ્વામી સહાયરૂપ થયા હતા. હજુ પણ જરૂરિયાત મુજબ પ્રયત્નો કરવામાં આવી રહ્યા છે.

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



ભુજીમાં સમુદ્ર સફાઈ અભિયાન હાથ ધરાવું





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

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

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

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





# Development of Biodiversity Park

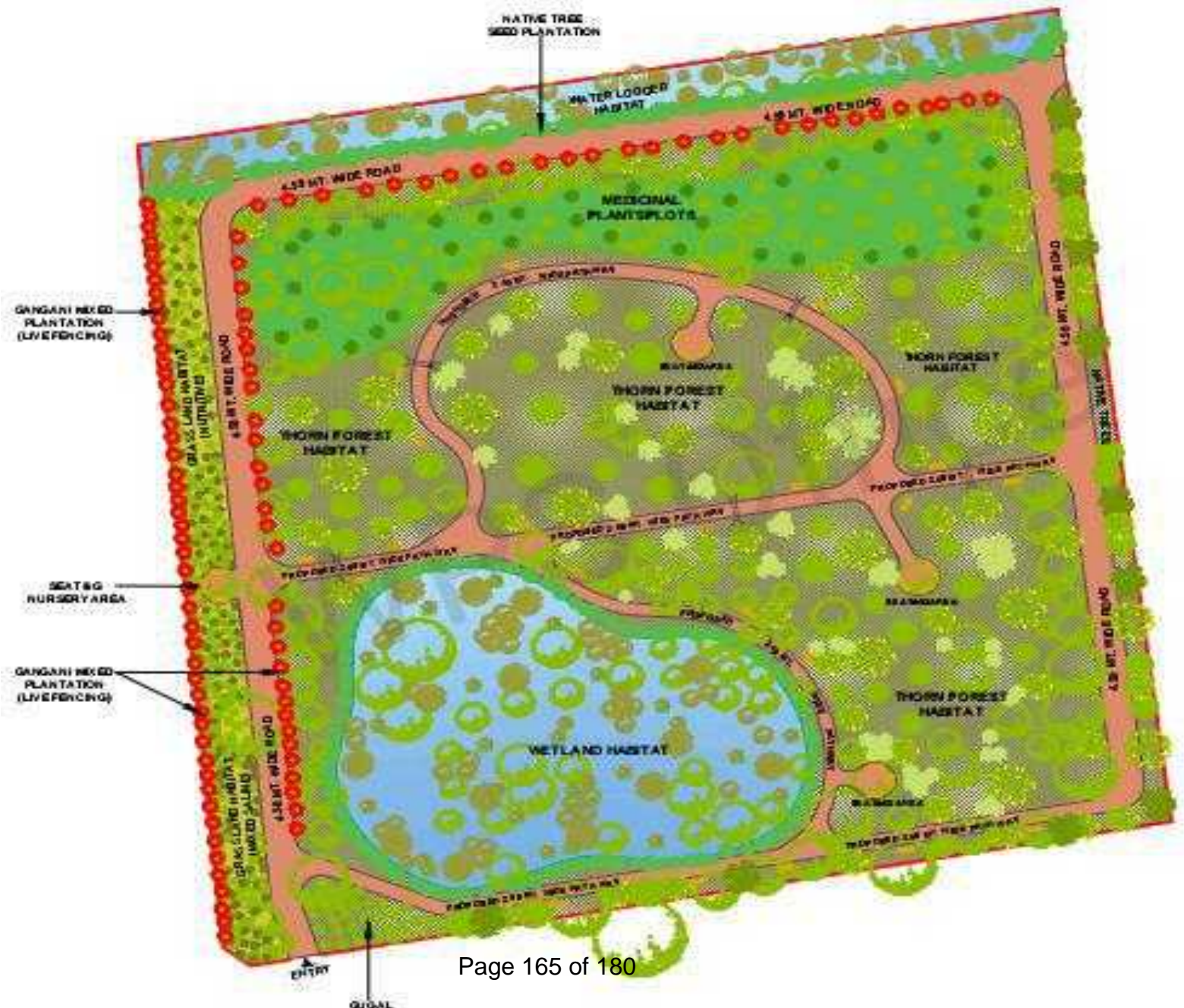
at

## Nandi Sarovar

Mundra- Kachchh



# Proposed Plan Layout for Biodiversity Park





# Collection of Baseline Data

## PRE MONSOON SURVEY

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

## POST MONSOON SURVEY

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



# Site Clearing and Leveling



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





# Nursery Beds and Purchasing Native Saplings (45+ Species)



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





# Collection and Purchased SEEDs (10+ Species)



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



# Development of Grassland Habitat

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

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





# Development of Wetland Habitat



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



# Development of Thorn Forest Habitat

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

- Drought resistant, thorny and deep-rooted plants.

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





# Development of Medicinal Plants PLOTS

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

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





# Development of Climbers and Live Hedges



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

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





# Diversity of Butterflies



Painted Lady



Plain Tiger



Pioneer



The plains Cupid



The lesser grass blue



Pioneer

# Common Faunal Species



Dragon Fly



Red-wattled Lapwing



Garden lizard



Blue Bull- *Nilgai*



Beetle



Spider



Fan Throated Lizard



# Celebration of Special Days...

Environment Day on 5<sup>th</sup> June 2020 and Van-Mahotsav on 6<sup>th</sup> July 2020

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



। ભુજ । (સંદેશ પ્રતિનિધિ)

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

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

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





# Future Planning...

## *for discussion*

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

# Budget For Next Six Months

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





THANK YOU...