

To

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

E-mail: eccomplince-guj@gov.in, rowz.bpl-mef@nic.in

एकीकृत क्षेत्रीय कार्यालय, गाँधीनगर
Integrated Regional Office, Gandhinagar
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
Date: 27.11.2021

Ministry of Environment, Forest & Climate Change

भारत सरकार / Govt of India

कक्ष क्र. 407 व 409 ए, विंग अरुण भवन

Room No.407 & 409, A wing, Aranya Bhawan
गाँधीनगर (गुजरात) / Gandhinagar (Gujarat)

07/12/2021

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 20th 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- April-2021 to September-2021 is being submitted through soft copy (e-mail communication & CD).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

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


Shalin Shah
Head - Environment & Sustainability

Encl: As above

Copy to:

- 1) The Additional Secretary, MoEF&CC, Regional Office (WZ), E-5, Kendriya, Paryavaran Bhawan, Arera Colony, Link Road No. - 3, Bhopal - 462016.
- 2) The Zonal Officer, Regional Office, CPCB - Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390023.
- 3) The Member Secretary, GPCB - Head Office, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar - 382010.
- 4) The Member Secretary, SEIAA, Gujarat, Paryavaran Bhawan, GPCB, Sector 10 A, Gandhi Nagar - 382010.
- 5) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham - 370201.

Adani Ports and Special Economic Zone Ltd
Adani House,
PO Box No. 1
Mundra, Kutch 370 421
Gujarat, India
CIN: L63090GJ1998PLC034182

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

Chiragsing Rajput

From: Chiragsing Rajput
Sent: Tuesday, November 30, 2021 7:10 PM
To: ecompliance-guj@gov.in; rowz.bpl-mef@nic.in
Cc: ec-rdw.cpcb@gov.in; 'ro-gpcb-kute@gujarat.gov.in'; ms-gpcb@gujarat.gov.in; compliance.seiaa.gujarat@gmail.com; Snehal Jariwala
Subject: Half Yearly EC Compliance Report Submission - MUL - CETP, Mundra 2010 (Apr'21 to Sep'21)
Attachments: 7. EC Compliance Report_MUL CETP-2010_Apr'21 to Sep'21.pdf



Ports and
Logistics

APSEZL/EnvCell/2021-22/085

To

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Ministry of Environment, Forest and Climate Change,

Aranya Bhawan, A Wing, Room No. 409,

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Gandhinagar – 382007.

E-mail: eccomplinace-guj@gov.in, rowz.bpl-mef@nic.in

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

Ref : Environment clearance granted MPSEZ Utilities Pvt. Ltd. vide letter dated bearing SEIAA letter no. SEIAA/GUJ/EC/7(h)/43/2010.

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

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- 2) The Zonal Officer, Regional Office, CPCB – Western Region, Parivesh Bhawan, Opp. Vaidya Subhanpura, Vadodara – 390023.
- 3) The Member Secretary, GPCB – Head Office, Parvavaran Bhavan, Sector 10 A, Gandhi Nagar

Thanks & Regards,

Chiragsing Rajput

Environment Cell | Adani Ports & Special Economic Zone Ltd.

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Adani Corporate House, 8th Floor, East Wing, Shantigram, Ahmedabad - 382421, Gujarat, India.



Growth
with
Goodness

Our Values: Courage | Trust | Commitment



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- 3) The Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382010.
- 4) The Member Secretary, SEIAA, Gujarat, Paryavaran Bhavan, GPCB, Sector 10 A, Gandhi Nagar – 382010.
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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-2021 to September-2021

	MPSEZ Utilities Ltd., Mundra. (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

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Compliance Report of Environment Clearance

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

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

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

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 20th February, 2010.

Sr. No.	Conditions	Compliance Status as on 30-09-2021
A. Specific Conditions		
1	The MUPL shall conduct a study, every year for initial three years and thereafter once in a three year, through the reputed institute or the Agricultural University to assess the impacts on soil and ground water quality, if any, due to application of treated effluent on land for plantation/ gardening and adopt the additional mitigation measures as may be suggested through such studies.	<p>Complied.</p> <p>Soil and ground water quality monitoring is being carried out through NABL / MoEF&CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. twice in a year (Pre Monsoon & Post Monsson). Please refer Annexure – 1 for detailed analysis reports.</p> <p>Treated water is being utilized on land for horticulture / gardening purpose within CETP and APSEZ premises after achieving GPCB permissible norms only.</p>
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	<p>Complied.</p> <p>Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.</p> <p>Analysis reports are being submitted to GPCB every month and acknowledgement of last report (Sep'21) submitted to GPCB is attached as Annexure – 2.</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 effluent received at the	<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>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	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 being sourced through water supply through Gujarat Water Infrastructure Ltd. (GWIL) and Desalination plant of APSEZ. No ground water is being tapped. Details of water consumption are given as Annexure – 3.</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 & sewage received in CETP from member units as well as sewage from Mundra village was 685 KL/Day and treated water discharge from the CETP 678 KL/Day respectively during the compliance period i.e. April'21 to Sep'21. Present installed capacity of CETP is 2.5 MLD only which is higher than average inflow of effluent from member industries. Details on quantity received from industry and treated water discharge are attached as Annexure – 3.</p>
6	The total quantity of effluent discharge (including industrial effluent and sewage overflow from septic tank – soak pit) from the member units shall not exceed 17000 KL/ Day (17 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>Complied.</p> <p>The average quantity of effluent & sewage received in CETP from member units as well as sewage from Mundra village was 685 KL/Day and treated water discharge from the CETP 678 KL/Day respectively during the compliance period i.e. April'21 to Sep'21.</p> <p>There are only two member industries of CETP as on date for industrial effluent and four members units for domestic sewage including Mundra village as well as APSEZ common facility. Entire wastewater is being transferred through underground pipeline only. On avg. 678 KL/ Day treated water from CETP was reused for horticulture purpose 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, Chlorides and</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions		Compliance Status as on 30-09-2021																																			
	Parameter	CETP inlet norm of MUPL	NH3-N. Analysis reports are being submitted to GPCB every month and proof showing the same is attached as Annexure – 2 .																																			
	pH	6.5 To 8.5	<p>Monitoring and analysis of CETP inlet wastewater is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. and the same is being submitted to GPCB every month and proof showing the same is attached as Annexure – 2. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.</p> <p>CETP Inlet:</p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit^{\$}</th></tr><tr><td>pH</td><td>--</td><td>7.15</td><td>8.4</td><td>6.5 – 8.5</td></tr><tr><td>SS</td><td>mg/L</td><td>14</td><td>35</td><td>800</td></tr><tr><td>TDS</td><td>mg/L</td><td>1613</td><td>2078</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>257</td><td>589</td><td>2000</td></tr><tr><td>BOD</td><td>mg/L</td><td>48</td><td>130</td><td>1000</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>10.3</td><td>37.06</td><td>50</td></tr></table> <p>^{\$} as per CC&A granted by GPCB</p> <p>Please refer Annexure – 1 for detailed analysis reports.</p> <p>List of member units for industrial effluent as well as domestic sewage was submitted along with half yearly compliance report for the period Oct'19 to Mar'20. And there is no further change.</p> <p>MUL-CETP has also installed Continuous Effluent Quality Monitoring System (CEQMS) as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & 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.</p>	Parameter	Unit	Min	Max	Perm. Limit ^{\$}	pH	--	7.15	8.4	6.5 – 8.5	SS	mg/L	14	35	800	TDS	mg/L	1613	2078	2100	COD	mg/L	257	589	2000	BOD	mg/L	48	130	1000	Ammonical Nitrogen as NH3-N	mg/L	10.3	37.06	50
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	Suspended Solids	800 mg/l																																				
	BOD (3 Days at 27 °C)	1000 mg/l																																				
	COD	2000 mg/l																																				
	TDS	2100 mg/l																																				
	Oil & Grease	20 mg/l																																				
	Phenolic	1 mg/l																																				
	Compounds	0.2 mg/l																																				
	Cyanides	2 mg/l																																				
	Fluorides	2 mg/l																																				
	Sulphides	50 mg/l																																				
	Ammonical Nitrogen	3 mg/l																																				
	Copper	3 mg/l																																				
	Nickel																																					

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021															
7	The individual member unit will be required to achieve CETP inlet norms. If required, necessary treatment for removal of metals, ammonical nitrogen and other such parameters will be given by the individual units to meet the CETP inlet norms.	<p>Complied.</p> <p>Agreement is made with the industry to consider aspect of conformance with the CETP inlet norms. Effluent samples are tested for conformance of inlet norms of CETP as provided in specific condition no. 6 above. Currently two units have agreement to discharge their effluent to CETP. The detail for the same is as below.</p> <table><tr><th>Unit</th><th>ETP Capacity</th><th>Treatment Methodology</th><th>Average Water Discharge (Booking Quantity)</th></tr><tr><td>M/s Dorf Ketel Chemicals (I) Pvt. Ltd.</td><td>100 KLD</td><td>Primary & Secondary Treatment</td><td>85 KLD</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>25 KLD</td></tr></table>				Unit	ETP Capacity	Treatment Methodology	Average Water Discharge (Booking Quantity)	M/s Dorf Ketel Chemicals (I) Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	85 KLD	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD
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M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KLD														
8	The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.	<p>Complied.</p> <p>The details for the same are provided in specific condition no 6 above.</p>															
9	Domestic wastewater shall be discharged into septic tank/ soak pit system by the individual member units and the overflow shall be conveyed to the CETP along with industrial effluent for its treatment. Domestic wastewater generated at the CETP will also be treated in the CETP.	<p>Complied.</p> <p>Sewage from member industries, APSEZ common facility and Mundra village is collected into collection tank, which is transferred to CETP at average rate of 578 KL/Day through pipeline.</p> <p>Average generation of domestic wastewater is ranging from 1.0 to 1.5 KL per day at the CETP and the same is being treated in the CETP itself along with other effluent.</p>															
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment	<p>Complied.</p> <p>MUPL has established the adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.</p>															

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021																																			
	facilities to achieve the GPCB norms. The CETP shall be established in modules of 2.5 MLD to achieve the ultimate capacity of 17 MLD with the passage of time depending on the actual requirements as per development of the MPSEZL. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the GPCB norms.	<p>Present installed capacity of CETP is 2.5 MLD.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.</p> <p>CETP Outlet:</p> <table><tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Perm. Limit^{\$}</th></tr><tr><td>pH</td><td>--</td><td>7.68</td><td>8.83</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>16</td><td>32</td><td>100</td></tr><tr><td>TDS</td><td>mg/L</td><td>1594</td><td>1912</td><td>2100</td></tr><tr><td>COD</td><td>mg/L</td><td>62</td><td>198</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>13</td><td>40</td><td>100</td></tr><tr><td>Ammonical Nitrogen as NH3-N</td><td>mg/L</td><td>2.43</td><td>5.28</td><td>50</td></tr></table> <p>^{\$} as per CC&A granted by GPCB</p> <p>Please refer Annexure – 1 for detailed analysis reports. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr'21 to Sep'21 for overall APSEZ, Mundra.</p> <p>MUPL has also installed Continuous Effluent Quality Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly.</p> <p>GPCB is also doing sampling and analysis of CETP inlet and outlet sample at every month and latest analysis report is attached as Annexure – 4, which shows that all the parameters are well within the permissible norms.</p>	Parameter	Unit	Min	Max	Perm. Limit ^{\$}	pH	--	7.68	8.83	6.0 – 9.0	SS	mg/L	16	32	100	TDS	mg/L	1594	1912	2100	COD	mg/L	62	198	250	BOD	mg/L	13	40	100	Ammonical Nitrogen as NH3-N	mg/L	2.43	5.28	50
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11	The treated effluent from the CETP conforming to the GPCB norms shall be utilized for plantation / gardening within the SEZ area of MPSEZL during non-rainy days whereas it shall be discharged to deep sea through outfall	<p>Complied.</p> <p>Average 678 KL/Day treated water was used for plantation/gardening within the premises of CETP and other areas of Adani Ports and Special Economic Zone Limited during the compliance period.</p> <p>Available horticulture / gardening area within CETP as well SEZ premises for utilization of treated water is 135.38 Ha.</p>																																			

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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	system of MPSEZL having CRZ permission during high rainy days.	
12	Well-designed effluent distribution network with sprinklers / drip pipes shall be provided for proper utilization of treated effluent for plantation / gardening.	<p>Complied.</p> <p>Drip irrigation system is provided for watering the green belt in the vicinity.</p>
13	The CETP shall have and use only one outlet for the discharge of its effluent and no effluent shall be discharged without requisite treatment and without meeting with the GPCB norms. Such outlet shall be kept near the front gate/ entrance of the CETP.	<p>Complied.</p> <p>Treated water from CETP is supplied through only one outlet for gardening purpose.</p> <p>MUPL CETP has installed Continuous Effluent Quality 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 information for the same was submitted to the MoEF & CC along with half yearly compliance report April-2016 to Sep - 2016.</p> <p>Quality of treated effluent from CETP meets with GPCB norms. Refer specific condition No. 10 for test result summary.</p> <p>Please refer Annexure – 1 & 4 showing quality of treated water during this compliance period.</p>
14	The MUPL shall instruct and make sure that each contributing member (cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	<p>Complied.</p> <p>An agreement is made with the respective units to provide storage facility for retention.</p> <p>At present the industrial effluent from two units is received for treatment at the CETP. Both the units have storage tanks of 100 & 50 KL, which is sufficient to store the effluent for at least one day.</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
15	The MUPL shall give time slot to the contributing member units for discharge of effluent and implement a mechanism for ensuring that the member units adhere to the same.	<p>Complied.</p> <p>At present there are only two member industries of CETP for industrial effluent discharge and time slot has been given to each industry for discharging their industrial effluent.</p>
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	<p>Complied.</p> <p>MUL verifies the data of wastewater generation produced by the member units and matches with the inlet meter reading to make sure the entire effluent quantity is supplied to CETP.</p>
17	The MUPL shall be responsible for proper conveyance of effluent from their member units to the CETP. To distinguish the effluent conveyance pipelines from other pipelines, they should be coated with special colour. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member units.	<p>Complied.</p> <p>Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units.</p> <p>Daily monitoring of effluent conveyance pipeline and regular maintenance of pump, valve and panel is carried out. Periodical maintenance is carried out to avoid leakage.</p>
18	Magnetic flow meters shall be provided at the inlet and outlet of the CETP as well as ETP outlets of the CETP member units and records for the same shall 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 Annexure – 3.</p>
19	The MUPL shall also install pH sensor solenoid	Complied.

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	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>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 Quality Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & 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 & CC along with half yearly compliance report Apr – 20 16 to Sep – 20 16.</p> <p>However, MUL has also installed lock-arrangement system valves at the effluent discharge outlet of member units to ensure effluent quality within CETP inlet norms. Analysis of effluent is being carried out before discharging to verify that effluent is meeting with GPCB permissible norms or not. The CETP can receive effluent from member unit only after achieving CETP inlet norms. Analysis reports of each member unit is being submitted the GPCB on monthly basis.</p> <p>One equalization tank can be kept as standby tank for diverting effluent not meeting with the CETP inlet norms, in case of unforeseen circumstances. A stand-by storage tank of adequate capacity is also provided with member units which is sufficient to store the effluent for at least one day in such circumstances.</p>
21	All the chemicals and nutrients which are required to be added / dosed in any CETP unit shall be added by using “Metering Pumps” only.	<p>Complied.</p> <p>Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and HCl are provided with stand by pumps. Photographs showing the same were submitted as part of compliance report for the duration of Apr'17 to Sep'17.</p>
22	The MUPL shall not keep any bypass line or system, or loose or flexible pipe for	Complied.

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.	Treated water from CETP is supplied through only one outlet for gardening purpose and no bypass line or system, or loose/flexible pipe are provided for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.
23	The MUPL shall provide impervious tanks / HDPE tanks / impervious guard ponds to hold effluent for at least 48 hours in the case of either maintenance of the CETP or process disturbances and any untreated effluent shall never be discharged into the environment.	<p>Complied.</p> <p>Two nos. of Guard Ponds having RCC Structure with total capacity of 3000 KL for storage are available within CETP to ensure no untreated effluent discharge into environment.</p>
24	In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the CETP shall be installed, so that the CETP shall always be operated round the clock even in case of power failure.	<p>Complied.</p> <p>D.G. Set having 380 KVA capacity has been provided as stand-by which is equivalent to the power requirement to run CETP.</p>
25	The MUPL will maintain daily log books for the quantity and quality of effluent discharged by the member units, quantity and quality of inflow into the CETP, details of the treatment at each stage of the CETP including the chemicals used. MLSS/ MLVSS & DO concentrations in Aeration Tanks, quantity of sludge extracted from the treatment process,	<p>Complied.</p> <p>Logbooks containing all required information of operation & maintenance are maintained. A copy of logbook is attached as Annexure – 5.</p> <p>Record of sludge generation and disposal is being maintained. CETP is designed having 2.5 MLD capacity, against that at present MUL has received only avg. 678 KLD effluent and sewage from member industries during compliance period.</p> <p>Last sludge disposal was carried out through co-processing on 04.06.2021 at Ambuja Cement Ltd. Kodinar. The disposal quantity was 6.06 MT. Copy of manifest is attached as Annexure – 6.</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	<p>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>The sludge generated thereafter is stored in dedicated storage area and will be disposed in line with permission granted.</p> <p>MUL has obtained membership of common TSDF site M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau, which is valid till 17.12.2025. Details of the same were submitted along with last half yearly EC Compliance report for the period Oct'20 to Mar'21.</p> <p>MUL has also done agreement with M/s. Ambuja Cement Ltd., Kodinar for co-processing of CETP sludge for energy recovery as an environment sound practice for disposal of hazardous waste in line with 5R (Reduce-Reuse-Recycle-Reprocessing-Recovery) principle. Details of the same were submitted along with last half yearly EC Compliance report for the period Oct'20 to Mar'21.</p>
26	<p>The MUPL shall set up a full fledged laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.</p>	<p>Complied.</p> <p>Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP.</p> <p>Competent technical staff is deployed for monitoring and analysis of environmental parameters.</p>
27	<p>Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the GPCB on monthly basis.</p>	<p>Complied.</p> <p>Daily effluent quality monitoring data are being submitted to GPCB on monthly basis and proof showing the same is attached as Annexure – 2.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd., Surat.</p> <p>MUL has also installed Continuous Effluent Quality Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD, TOC & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly.</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
		<p>GPCB Sample analysis reports are attached as Annexure – 4, 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 & 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 Annexure – 2.</p> <p>Monitoring report for the period from Apr'21 to Sep'21 is attached as Annexure – 1. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr'21 to Sep'21 for overall APSEZ, Mundra.</p> <p>Also refer Point no. 10 & 27 for further details.</p>
29	The third party inspection of the CETP with respect to the compliance of the norms shall be carried out through a reputed institute like NEERI, IIT, etc. once in a year and mitigation measures as may be suggested by such an institute shall be implemented in consultation with the Gujarat Pollution Control Board.	<p>Complied.</p> <p>Environment Audit is carried out on six monthly basis through reputed institute (Sch-I Auditor) approved by GPCB. Environment monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Last environment audit report was submitted vide letter dated 07.06.2021. Acknowledge of the same is attached as Annexure – 7.</p>
30	The MUPL shall maintain accurate records of their member units in respect of quantity of each product manufactured, quantity of water consumption, quality of trade effluent, quantity of effluent generated,	<p>Complied.</p> <p>Data regarding quantity and quality of effluent generated from member units are submitted to GPCB regularly and proof showing the same is attached as Annexure – 2.</p> <p>Details of Product manufactured, water consumption and wastewater generation are being submitted by individual units on monthly basis to the GPCB in form of monthly patrahs and</p>

Status of the conditions stipulated in Environment Clearance

Sr. No.	Conditions	Compliance Status as on 30-09-2021																									
	booked and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.	its record are also being maintained by MUL. Details of the same are attached as Annexure – 8 .																									
31	Ground water quality shall be monitored on regular basis with piezometer bore wells at suitable locations in consultation with GPCB and its records shall be maintained. The monitored data along with interpretation shall be submitted at least once in six months.	<p>Complied.</p> <p>Bore-hole has been made at CETP main gate to check ground water quality and water level. No ground water contamination is evident as per the monitored data.</p> <p>Ground water sampling and analysis is being done on six monthly basis and its report is attached as Annexure – 1.</p>																									
32	Adequate stack height as per prevailing norms shall be provided to the D.G. Set. The flue gas emission from D.G. Set shall comply with the norms prescribed by the GPCB.	<p>Complied.</p> <p>At present there is only one D.G. set of having capacity of 380 KVA is used as stand-by. Adequate stack height of 8 meter has been provided to the said D.G. Set. There was no any main power failure during compliance period, so there was no need to operate the D.G. Set during such period. However flue gas emission monitoring from D.G. Set is being carried out on six monthly basis at the time of trial run and its report is attached as Annexure – 1.</p>																									
33	The ambient air quality shall be monitored in and around the CETP area and results shall be submitted to the GPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the GPCB.	<p>Complied.</p> <p>Ambient Air Quality Monitoring station is established in consultation with GPCB. Third party analysis of the ambient air quality is being carried out on regular basis (twice in a week) by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.</p> <p>Monitoring Locations & Frequency: 02 (Twice in a week)</p> <table><tr><th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit^{\$}</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>92.36</td><td>36.42</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>50.37</td><td>18.23</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>24.69</td><td>6.32</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>42.44</td><td>14.31</td><td>80</td></tr></table>	Parameter	Unit	Max	Min	Perm. Limit ^{\$}	PM ₁₀	µg/m ³	92.36	36.42	100	PM _{2.5}	µg/m ³	50.37	18.23	60	SO ₂	µg/m ³	24.69	6.32	80	NO ₂	µg/m ³	42.44	14.31	80
Parameter	Unit	Max	Min	Perm. Limit ^{\$}																							
PM ₁₀	µg/m ³	92.36	36.42	100																							
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	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
		<small>§ as per NAAQ standards, 2009</small> Please refer Annexure – 1 for detailed analysis reports. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr'21 to Sep'21 for overall APSEZ, Mundra.
34	The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Complied. MUL has been renewed its GPCB Authorization vide Order No. AWH – 113221 dated 10.06.2021, Valid up to: 07.04.2026 from GPCB, Gandhinagar. Copy of Renewed CC&A is attached as Annexure – 9 . The hazardous waste generated within CETP premises is being disposed in line to Hazardous & Other Waste Rules – 2016. Please refer condition no. 25 for HW disposal details.
35	CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied. Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities. Details of the same were submitted along with EC Compliance report for the period Apr'18 to Sep'18.
36	CETP waste shall be disposed at authorized common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	Complied. Hazardous waste generated from CETP is being disposed through authorised TSDF facility or co-processing at cement industries. MUL have obtained membership with TSDF operator SEPPL, Bhachau as well as done agreement with M/s. Ambuja Cement Limited, Kodinar for the same. CETP is designed to treat the effluent @2.5 MLD capacity, against that at present MUL is receiving only 685 KLD effluents / sewage from member industries.

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
		Please refer condition no. 25 for further details.
37	Discarded containers / drums / bags/ liners shall be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility or co-processing at cement industries.</p> <p>Please refer condition no. 25 for HW disposal details.</p>
38	Used oil shall be sold to the registered recyclers.	<p>Used Oil and Discarded Containers are not frequently generated. As & when generated, the same will be disposed by selling out to registered recycler / reprocessor.</p>
39	Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.	<p>Complied.</p> <p>Adequate hand rail are provided at CETP Tanks for fall protection.</p>
40	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.	<p>Complied.</p> <p>Safety measures like appropriate hand gloves, safety goggles, safety shoes, reflective jacket are provided. Photographs showing the same were submitted as a part of compliance report for the duration of Apr'17 to Sep'17.</p> <p>Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte, Lime and HCl are provided with stand by pumps to avoid human exposure.</p>
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.	<p>Complied</p> <p>There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical dosing.</p>
42	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of	<p>Complied.</p> <p>MUL CETP is subsidiary unit of Adani Ports and Special Economic Zone Limited. The Occupation Health Centre of APSEZ is accessible in case of emergency or regular medical</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	emergency, regular medical check-up of the workers and keeping its record etc.	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 toolbox 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. There was no any new employment done during compliance period. Details of periodical medical examination report of the employees working in MUL – CETP are attached as Annexure – 10 . Pre-employment and periodical medical examination is being carried out as per defined HR policy.
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Not Applicable No hazardous chemicals are transported during the compliance period.
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like	Complied. Noise level monitoring is being carried out on monthly basis by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'21 to Sep'21 is mentioned below.

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021																			
	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.	Monitoring Locations & Frequency: 02 (Once in a month – 24 Hourly) <table><tr><th>Parameter</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Perm. Limit*</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>48.4</td><td>71.2</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>45.2</td><td>68.4</td><td>70</td></tr></table> <p style="text-align: right;">* As per CC&A granted by GPCB</p> <p>Please refer compliance condition no. 32 for further details.</p> <p>Please refer Annexure – 1 for detailed noise level monitoring reports. Approx. INR 9.56 Lakh is spent for all environmental monitoring activities during the compliance period i.e. Apr’21 to Sep’21 for overall APSEZ, Mundra.</p>					Parameter	Unit	Leq Min	Leq Max	Leq Perm. Limit*	Day Time	dB(A)	48.4	71.2	75	Night Time	dB(A)	45.2	68.4	70
Parameter	Unit	Leq Min	Leq Max	Leq Perm. Limit*																	
Day Time	dB(A)	48.4	71.2	75																	
Night Time	dB(A)	45.2	68.4	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 4.92 hectare of green belt with the density of 1267 trees per hectare within CETP & WTP premises. Total 6238 trees are planted within CETP & WTP premises. So, far APSEZ have developed 486.19 ha. area as greenbelt with plantation 9.4 Lacs saplings within the APSEZ area.</p> <p>Details of the green belt development activity done by APSEZ Mundra are attached as Annexure – 11.</p>																			
B. General Conditions																					
50	GPCB will ensure while granting CTE to individual units that no industry of heavy pollution is allowed in such SEZ.	This point is applicable to GPCB.																			
51	Construction of the proposed CETP should be undertaken meticulously confirming to the existing central / local rules and regulations. All the construction designs/ drawing relating to the proposed construction	<p>Already complied.</p> <p>Construction for 2.5 MLD CETP is completed and the same is in operation phase. There is no requirement for additional capacity of CETP as on date. Upon requirement of additional capacity, the new module of CETP will be constructed confirming to the applicable rules and regulations.</p>																			

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	activities must have approvals of the concerned State Government Department/Agencies.	
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 MUPL shall immediately inform the Gujarat Pollution Control Board about termination/ suspension of the CETP	<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'21 to Sep'21.</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
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Sr. No.	Conditions	Compliance Status as on 30-09-2021
	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 obtained the permission from GPCB for receiving 1.5 MLD domestic sewage in to CETP for treatment from the Mundra village. Details were submitted along with half yearly EC compliance report for the period Oct'19 to Mar'20.</p> <p>MUL is allowing any new member or enhance effluent quantity of existing members, when they have prior requisite permissions from competent authorities.</p>
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.</p>
57	Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.	<p>Complied.</p> <p>Good housekeeping is being maintained within the CETP premises by the dedicated housekeeping staff.</p> <p>Leakages were attended and recorded in the MIS report of MUL. Details of all the maintenance work done during compliance period of Apr'21 to Sep'21 are attached as Annexure – 12.</p> <p>No floor washing activity was carried out during the compliance period.</p>
58	During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<p>Point noted.</p> <p>Effluent is being transferred to CETP by dedicated pipeline. No major accidental spillage has been occurred during this compliance period.</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
59	Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.	<p>Complied.</p> <p>Effluent is being transferred to CETP by dedicated effluent pipeline network, 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 Sr. Manager (Environment) at Corporate, who heads the Environment Management Cell who directly reports to the top management. Allocation of separate budget has also been done.</p> <p>Environment Management Cell Organogram is attached as Annexure – 13.</p>
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	<p>Complied.</p> <p>Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget allocation is done accordingly. No separate bank account is maintained for the same however, all the expenses are recorded in advanced accounting system of the organization.</p> <p>Budget for environmental management measures (including horticulture) for the FY 2021-22 is to the tune of INR 1332 lakh. Out of which, Approx. INR 876 lakh are spent during the year</p>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021						
		2021-22 (till Sep'21). Detailed breakup of the expenditures for the past 3 years is attached as Annexure – 14 .						
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<p>Complied.</p> <p>MUL is Co-developer of APSEZ and APSEZ is actively working with local community around the project area and provides required support for their livelihood and other concerns through the CSR arm – Adani Foundation. Adani Foundation is working in main four persuasions as below.</p> <ul style="list-style-type: none">✚ Education✚ Community Health✚ Rural Infrastructure✚ Sustainability Livelihood <p>Brief information about activities in the main four persuasions is mentioned below. Other than this, Adani Foundation has also worked for fight against COVID – 19 pandemic situations during this compliance period. Activities carried out for the same are summarized as below.</p> <table><tr><th>Area</th><th>Activity</th></tr><tr><td>Fight Against COVID-19</td><td><ul style="list-style-type: none">Started Covid care centre service at Samudra town ship to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment & co-ordination.AF team voluntary performed patients care and co-ordination duty at GKGH, Bhuj for 23 days.AHMPL, Mundra was converted into Covid Hospital with 100 bed Facilities with oxygen to extend Covid medical treatment over community. All related coordination done by our team for more than 353 OPD and IPD.Provided Oxygen Concentrator machines for Home isolated patients resulted in goodwill.Provide Dead body van service to shift covid demise patients to Crematorium with all dignity.Precautionary voice message dissemination through Awaj de voice message service Over Community.Started Village Sanitizing activities and Ukalo, Vitamin C tablet distribution</td></tr><tr><td>Community Health</td><td><ul style="list-style-type: none">Mobile Heath Care Units and Rural Clinics9 Rural Clinics06 from Mundra, 02 from Anjar & 01 from Mandvi block treated;3843 patients31 villages covered, with 94 types of general and lifesaving medicines through Mobile healthcare unit3364 patients benefited during six months</td></tr></table>	Area	Activity	Fight Against COVID-19	<ul style="list-style-type: none">Started Covid care centre service at Samudra town ship to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment & co-ordination.AF team voluntary performed patients care and co-ordination duty at GKGH, Bhuj for 23 days.AHMPL, Mundra was converted into Covid Hospital with 100 bed Facilities with oxygen to extend Covid medical treatment over community. All related coordination done by our team for more than 353 OPD and IPD.Provided Oxygen Concentrator machines for Home isolated patients resulted in goodwill.Provide Dead body van service to shift covid demise patients to Crematorium with all dignity.Precautionary voice message dissemination through Awaj de voice message service Over Community.Started Village Sanitizing activities and Ukalo, Vitamin C tablet distribution	Community Health	<ul style="list-style-type: none">Mobile Heath Care Units and Rural Clinics9 Rural Clinics06 from Mundra, 02 from Anjar & 01 from Mandvi block treated;3843 patients31 villages covered, with 94 types of general and lifesaving medicines through Mobile healthcare unit3364 patients benefited during six months
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	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021	
			<ul style="list-style-type: none"> • 06 patients are provided Dialysis treatment at 133 times with nominal charges at Adani Hospital. • 471 –Economically Challenged patients have been supported for operation, OPD, IPD, Medicines and lab-test. • For Preventive health care General and multispecialty camps Pediatric camp, General Health camps in 9 villages and Super specialist camp which benefitted more than 1100 patients of Mundra Taluka. • 16 Senior Citizens have been linked with Government Niradhar pension scheme, 34 senior Citizens linked up with Ayushman Yojana and 67 Senior Citizens were referred to GKGH Bhuj for chronic illness.
	Sustainable Livelihood – Fisher folk, Agriculture & Women		<ul style="list-style-type: none"> • Average 75 KL of water was supplied to 676 households at 5 fisherman vasahat on a daily basis under Machhimar Shudhh Jal Yojana and other 4 fisherman vasahat has linkaged with water through GWIL and Mundra Gram Panachayat from which 355 households get benefited. • 11 Fisher Youth were interviewed among that 5 have been selected. Our target is to support 60+ Fisherman in alternative livelihood till March 2022. • Facilitation of Pagadiya Welfare scheme & boat license sanction letter to 06 Fishermen. Till date 59 Form has been submitted to fisheries department, Bhuj for pagadiya and boat License. • During the Taukate cyclone fishermen family had been shifted to safe Places As well as support to disaster management team for advance preparation. • To promote Natural farming Adani Foundation has originated cow-based farming initiative with interconnected techniques which can increase farmer yield. • 23 wormicompost unit have been set-up. Which is facilitated through Government with farmer Contribution. • 50 Farmers have started to preparing Jiva Mrut & Gaukrupa Amrutam Bio-fertilizer and using in agricrop. Series of Training is arranged by ATMA and Adani Foundation. • Two Farmers Groups is registered with ATMA–Agricultural technology management Agency–it will leverage Government schemes. • Adani Foundation provides Good Quality dry and green fodder to 24 Villages. Project is covering total 14116 Cattels / 3008 farmers and hence enhancing cattle productivity. Dry Fodder 895398 Kg Green –2425230 Kg. • Fodder Cultivation-To made fodder sustain villages -25 Acre Gauchar land of Siracha village is being cultivated for the same. • Current year for the dates Packaging and Marketing, KKPC Started to sell 10 Kg capacity packaging Box at Minimum Profit Margin At Rs.29/Boxes which resulted in turn over of Rs. 24 Lacs with Profit of 1 Lac. This initiative has supported more than 1800 farmers indirectly. • Dragon fruit farming is on going by Five farmers each farmer is doing in 2 Acre farm –Total 11000 plants. • Skill Development and Income Generation –Adani Foundation is working with 15 Self help group and

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021	
			supporting to develop entrepreneur skills to become self reliant, sourcing more than 350 women to absorb in various job.
		Education	<ul style="list-style-type: none"> • The Virtual and Offline classes (Shrisikshan) with parents permission with all precautionary measures as Government Guide Lines. Its very encouraging that inspired by Our Sheri Sikshan Initiative-Gov Teachers also started same approach. • Online Outreach – 259 Students • Individual Home visit – 415 Students • Sheri sikshan and school students - 838 Students • Utthan First phase 17 Schools and 2951 students were part of the program, and second phase 14 Schools and 1952 Students were part of the programme. Total 4903 students are getting benefit from Utthan. • Coaching of 49 students for National Means cum Merit Cum Scholarship Scheme (NMMS). • Coaching of 34 Students for Javahar Navoday Entrance Exam by Utthan Sahayak since last Three Months. • Total 394 webinar and capacity building program were arranged for Utthan Sahayaks and Government Officers. • Arranged Virtual Tour regarding Plastic Waste Management with Municipal Corporation, Surat and aware about waste Collection, Segregation, treatment and Disposal Process. Total 178 Students were participated for the same. • 508 underprivileged students of Fisherman & Maldhari communities from 8 villages taking education at the Adani Vidya Mandir school • Celebration of various days is villages school.
		Rural Infrastructure & Environmental Sustainability	Adani foundation designed and build various structure and provide service in the Health, Education, agriculture and sustainable livelihood area. WORK COMPLETED <ul style="list-style-type: none"> • 31 RRWHS structure have been completed • 45 Bore-well recharging activity is completed. • Development Approach road Prasala vadi vistar Gogan Pachim at Zarpara • Earthen bund Repairing work at Pond, Luni. • Pre-monsoon activity Approach repairing, Village Pond Lake strengthen and river cleaning (babul cutting) work is ongoing in Various Villages • Approach Road repairing at Various Fishermen Vasahat (ARC). WORK IN PROGRESS <ul style="list-style-type: none"> • Construction of common Gathering Rooms at Wandu village. • Development of Chain Link Fencing at tree forestation at Nana Kapaya. • Construction of community gathering Shed at Mundra - work in final Stage. ENVIRONMENT SUSTAINABILITY PROJECTS

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021	
			<ul style="list-style-type: none"> • Miyawaki Forest Development, Nana Kapaya - Plantation of 4965 saplings of different 42 species is completed which will result in dense forest within 2 years • Smruti Van – Plantation more than 40,000 sapling with more than 115 species through Miyawaki methodology. • Ecosystem Restoration, Guneri – Grassland ecosystem restoration and mangrove conservation in 40 Ha area over a period of 4 years • Multi-species Mangrove Park - Adani Foundation at Mundra 's initiated multi-species plantation of mangroves in Kutch association with GUIDE. During 2018-2019 (Phase-I) multi-species mangrove plantation was carried out in 10 ha, during Phase-II (2019-2020) it was 02 ha and during Phase III (2020-2021) it is 01 ha. Current year 3 hector development is planned to extend multi-species mangrove plantation. • Home biogas - Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 117 home biogas in Dhrub, Zarpara and Navinal Villages. • Seaweed Culture - A pilot cultivation facility (5 KL tanks in 6 nos.) for the farming of different economically important seaweeds in the tanks on the onshore has been established and commenced the cultivation trials with red seaweeds Kappaphycus alvarezii, Gracilaria dura and green seaweed Ulva. • Water Conservation Projects – <ul style="list-style-type: none"> ✓ A large number of water harvesting structure (18 Nos. of check dams and Augmentation of 2check dams (1 Check dam current year). ✓ Ground recharge activities (pond deepening work for more than 52 ponds) individually and 26 ponds under Sujlam Suflam Jal Abhiyan ✓ Roof Top Rain Water Harvesting 90 Nos. (35 Nos current year) which is having 10,000 litre storage ✓ Recharge Borewell 125 Nos (50 Nos current year) which is best ever option to. ✓ Drip Irrigation 980 Farmers (56 Application current year) ✓ Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which borewell depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar. ✓ Luni Pond Bund Repairing Work.
		Skill Development	<p>Over the last few years, Adani Skill Development Center has assessed various aspects of the technical, leadership and soft skills gaps that organizations, in general, face and accordingly focuses on imparting required training in those areas in partnership with various colleges and institutes.</p> <p>ASDC, Mundra</p> <ul style="list-style-type: none"> • RPL–Recognition of Prior Learning Training given to Adani Group Contractual Employees–Total 218 Employees have been benefitted • Junior Crane Operator practical training to 36 Candidates for (Group-1, 2 & 3) At MICT Port.

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
		<ul style="list-style-type: none"> • Guest Lecture on Mehendi products, Beauty Therapist & Resin art Total 100 candidate have been benefitted. • Certificate Distributed to Mud work candidates at MICT Colony – 30 women learnt Mud work. • Volunteer Support in GKGH and Adani Hospital during covid pandemic. • 21 students were coordinated for interview in seabird CFS of Mundra. <p>ASDC, Bhuj</p> <ul style="list-style-type: none"> • Launched New online General Duty Assistant & Beauty Therapist for 63 candidates under (DDU-GKY). • Soft Skills Training Certificate distribution to Prisoners of Palara Special Jail. • Guest lecture on “Tally: Older vs New” & “Concept of Emerging E-way Bill” <p>Total Beneficiaries:</p> <ul style="list-style-type: none"> • Technical Training: 365 Nos. • Sof-Skill Training: 52 Nos. <p>Please refer Annexure – 15 for full details of CSR activities carried out by Adani Foundation in the Mundra region. Budget for CSR Activity for the FY 2021-22 is to the tune of INR 1628.45 lakh. Out of which, Approx. INR 423.18 lakh are spent during current compliance period i.e. Apr'21 to Sep'21.</p>
64	The MUPL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Point noted.
65	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the 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	<p>Point noted.</p> <p>Considering an existing scenario, at present only 2.5 MLD capacity CETP is installed against the 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>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
	the SEIAA/ SEAC to assess the adequacy of imposed and to add additional environmental protection measures required, if any.	
66	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>Complied.</p> <p>Please refer point no. 62 for details regarding the same.</p>
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are 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>

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021																					
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 st June and 1 st 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'20 to Mar'21 was submitted to Regional Office of MoEF&CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and SEIAA, Gandhinagar vide our letter dated 18.05.2021. Copy of the same is also available on our web site https://www.adaniports.com/ports-downloads. A soft copy of the same was also submitted through e-mail on 20.05.2021 to all the concern authorities. Please refer below for the details regarding past six compliance submissions.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Compliance period</th><th>Date of submission</th></tr> </thead> <tbody> <tr> <td>1</td><td>Apr'18 to Sep'18</td><td>30.11.2018</td></tr> <tr> <td>2</td><td>Oct'18 to Mar'19</td><td>31.05.2019</td></tr> <tr> <td>3</td><td>Apr'19 to Sep'19</td><td>28.11.2019</td></tr> <tr> <td>4</td><td>Oct'19 to Mar'20</td><td>20.05.2020</td></tr> <tr> <td>5</td><td>Apr'20 to Sep'20</td><td>26.11.2020</td></tr> <tr> <td>6</td><td>Oct'20 to Mar'21</td><td>25.05.2021</td></tr> </tbody> </table>	Sr. No.	Compliance period	Date of submission	1	Apr'18 to Sep'18	30.11.2018	2	Oct'18 to Mar'19	31.05.2019	3	Apr'19 to Sep'19	28.11.2019	4	Oct'19 to Mar'20	20.05.2020	5	Apr'20 to Sep'20	26.11.2020	6	Oct'20 to Mar'21	25.05.2021
Sr. No.	Compliance period	Date of submission																					
1	Apr'18 to Sep'18	30.11.2018																					
2	Oct'18 to Mar'19	31.05.2019																					
3	Apr'19 to Sep'19	28.11.2019																					
4	Oct'19 to Mar'20	20.05.2020																					
5	Apr'20 to Sep'20	26.11.2020																					
6	Oct'20 to Mar'21	25.05.2021																					
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.																					

	MPSEZ Utilities Ltd., Mundra (CETP) (Formerly, MPSEZ Utilities Pvt. Ltd.)	From : Apr'21 To : Sep'21
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2021
72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their amendments and rules.	Point noted.
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

Annexure – 1

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

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

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR

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

**MONITORING PERIOD:
APRIL 2021 TO SEPTEMBER 2021**

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

**PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,
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TC - 5945**ISO 9001:2015****ISO 14001:2015****ISO45001:2018**

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

SR. NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21		
1	pH	--	8.40	7.57	7.76	7.46	7.46	7.15	6.5 to 8.5	IS3025(P11)83Re.02
2	Temperature	°C	30.30	30.1	30.2	29.9	30.1	30	--	IS3025(P9)84Re.02
3	Colour	Co-pt	45	50	40	50	35	40	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	25	14	35	25	27	21	800	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	5.10	Not Detected	4.8	2.9	5.1	4.3	20	APHA(22 nd Edition)5520D
6	Phenolic Compound	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.53	0.77	0.67	0.62	0.73	0.69	2	APHA(22 nd Ed) 4500 F D SPANDS
8	Iron	mg/L	0.40	0.66	0.59	0.43	0.69	0.57	3	AAS APHA(22 nd Edition)3111 B
9	Zinc as Zn	mg/L	0.23	0.12	0.17	0.085	0.21	0.38	15	AAS APHA(22 nd Edition)3111 B
10	Trivalent Chromium	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 nd Edition)3111 B
11	Sulphide as S	mg/L	Not Detected	0.52	0.16	Not Detected	0.20	0.28	2	APHA(22 nd Edition) 4500-S
12	Ammonical Nitrogen as NH ₃	mg/L	10.3	37.06	26	21.6	21.86	27.4	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	48	67	123	118	130	118	1000	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	257	291	571	424	589	514	2000	APHA(22 nd Edition) 5520-D Open Reflux
15	Chloride as Cl	mg/L	889	882	832	419	718	780	1000	IS3025(P32)88Re.99
16	Sulphate as SO ₄	mg/L	135	226	214	328	192	224	1000	APHA(22 nd Edition)4500 SO ₄ E
17	Total Dissolved Solids	mg/L	1987	1976	2078	1948	2040	1613	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	APHA(22 nd Edition)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 nd Edition)3111 B
20	%Sodium	%	53.58	74.94	63.12	64.39	57.79	66.48	--	By Calculation

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
			Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21		
1	pH	--	8.83	8.27	7.74	8.13	7.98	7.68	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	30.1	30.2	30.3	30.1	30.1	30	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	30	20	25	30	20	25	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	17	32	23	19	17	16	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	10	APHA(22 nd Edi)5520D
6	Phenolic Compound	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.23	0.79	0.18	0.37	0.42	0.52	2	APHA(22 nd Edi) 4500 F D SPANDS
8	Iron	mg/L	0.17	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 nd Edi)3111 B
9	Zinc as Zn	mg/L	0.14	0.071	0.093	0.063	0.075	0.094	15	AAS APHA(22 nd Edi)3111 B
10	Trivalent Chromium	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	AAS APHA(22 nd Edi)3111 B
11	Sulphide as S	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	2	APHA(22 nd Edi) 4500-S
12	Ammonical Nitrogen as NH ₃	mg/L	2.86	2.43	3	3.80	4.68	5.28	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	37	28	21	13	40	27	100	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	198	165	153	62	124	139	250	APHA(22 nd Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	879	846	729	567	628	740	1000	IS3025(P32)88Re.99
16	Sulphate as SO ₄	mg/L	93	215	164	172	152	173	1000	APHA(22 nd Edi)4500 SO ₄ E
17	Total Dissolved Solids	mg/L	1840	1894	1812	1639	1912	1594	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	0.8	0.6	0.6	0.7	0.7	0.6	1	APHA(22 nd Edi)4500 Cl
19	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	AAS APHA(22 nd Edi)3111 B
20	%Sodium	%	44.47	71.18	54.07	56.23	56.94	58.10	--	By Calculation
21	Bio-assay Test	--	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	OECD 203 B/IS 6582 2001

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

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

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RESULT OF AMBIENT AIR QUALITY MONITORING

WTP- NEAR CETP					
Sr.No.	Date of Sampling	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Dioxide (SO ₂) µg/m ³	Oxides of Nitrogen (NO ₂) µg/m ³
1	03/04/2021	78.65	40.25	15.25	25.66
2	07/04/2021	69.38	34.34	20.65	37.56
3	10/04/2021	79.56	39.54	18.31	40.23
4	14/04/2021	82.51	45.66	16.31	27.55
5	17/04/2021	70.27	42.33	14.20	34.23
6	21/04/2021	83.47	49.49	23.41	41.24
7	22/04/2021	64.25	26.43	19.28	36.24
8	26/04/2021	71.56	38.50	17.28	33.46
9	29/04/2021	84.54	35.59	13.31	30.26
10	03/05/2021	65.33	28.58	13.30	31.54
11	07/05/2021	82.42	42.62	19.55	36.52
12	10/05/2021	75.42	33.51	22.34	39.53
13	13/05/2021	80.36	44.54	17.52	33.65
14	19/05/2021	74.55	40.21	15.32	27.57
15	21/05/2021	66.26	31.68	20.44	35.66
16	24/05/2021	72.63	39.25	14.60	30.21
17	27/05/2021	84.66	48.24	21.53	38.27
18	31/05/2021	90.22	43.29	24.57	34.23
19	03/06/2021	82.62	48.37	24.69	38.43
20	07/06/2021	75.68	36.46	18.65	34.50
21	10/06/2021	69.58	32.68	15.31	28.32
22	14/06/2021	79.62	42.67	19.54	31.57
23	17/06/2021	88.61	34.55	21.57	36.45
24	21/06/2021	72.47	40.21	17.60	32.41
25	28/06/2021	92.36	50.37	20.23	29.51
26	02/07/2021	84.61	43.58	15.30	27.63
27	05/07/2021	71.63	35.63	20.25	37.55
28	08/07/2021	78.37	45.33	18.67	33.56
29	12/07/2021	86.32	48.62	16.27	36.53
30	15/07/2021	63.62	36.59	11.23	29.33

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 (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Dioxide (SO ₂) µg/m ³	Oxides of Nitrogen (NO ₂) µg/m ³
31	19/07/2021	80.35	44.37	13.47	24.36
32	22/07/2021	74.35	41.54	17.55	31.52
33	26/07/2021	87.62	49.37	19.59	34.56
34	29/07/2021	68.52	32.43	21.65	30.55
35	02/08/2021	77.52	40.25	14.54	36.35
36	05/08/2021	65.35	34.22	17.60	30.23
37	09/08/2021	89.36	48.87	21.36	29.42
38	12/08/2021	71.24	30.80	12.59	33.48
39	16/08/2021	66.84	27.67	16.55	39.55
40	19/08/2021	70.34	43.56	19.35	35.31
41	23/08/2021	61.52	46.35	15.60	28.51
42	26/08/2021	69.36	38.42	20.50	31.25
43	30/08/2021	74.52	42.58	23.41	42.44
44	02/09/2021	75.68	42.67	16.31	34.56
45	06/09/2021	68.66	38.46	14.34	31.24
46	09/09/2021	60.34	25.64	22.36	41.23
47	13/09/2021	82.63	47.58	19.39	37.57
48	16/09/2021	61.21	31.55	15.68	25.61
49	20/09/2021	73.51	39.46	17.57	32.44
50	23/09/2021	85.38	45.37	12.69	29.33
51	27/09/2021	71.58	29.55	21.27	36.52
52	19/07/2021	80.35	44.37	13.47	24.36
LIMIT [#]		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-NaAsO ₂)

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

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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RESULT OF AMBIENT AIR QUALITY MONITORING

AIR STRIP								
Sr. No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM 2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO2) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO2) $\mu\text{g}/\text{m}^3$	Carbon Monoxide as CO mg/m^3	Hydrocarbon as CH ₄ mg/m^3	Benzene as C ₆ H ₆ $\mu\text{g}/\text{m}^3$
1	03/04/2021	55.48	25.38	11.26	33.47	0.34	ND*	ND*
2	07/04/2021	62.45	31.52	6.39	22.37	0.39	ND*	ND*
3	10/04/2021	72.42	35.58	8.43	20.61	0.23	ND*	ND*
4	14/04/2021	56.34	18.23	14.51	17.53	0.29	ND*	ND*
5	17/04/2021	60.22	32.44	10.26	28.51	0.16	ND*	ND*
6	21/04/2021	57.56	25.46	13.55	24.31	0.24	ND*	ND*
7	22/04/2021	69.31	37.54	16.60	30.44	0.33	ND*	ND*
8	26/04/2021	54.38	23.41	12.38	23.68	0.14	ND*	ND*
9	29/04/2021	45.47	20.53	9.42	18.25	0.17	ND*	ND*
10	03/05/2021	67.62	34.51	6.58	15.35	0.46	ND*	ND*
11	07/05/2021	54.28	24.54	8.38	18.66	0.23	ND*	ND*
12	10/05/2021	62.44	30.48	12.67	25.63	0.34	ND*	ND*
13	13/05/2021	58.73	26.34	10.46	29.31	0.40	ND*	ND*
14	19/05/2021	65.61	28.60	7.49	16.28	0.48	ND*	ND*
15	21/05/2021	47.53	23.45	15.66	22.68	0.42	ND*	ND*
16	24/05/2021	55.44	32.44	11.24	16.64	0.21	ND*	ND*
17	27/05/2021	60.23	35.62	9.54	19.51	0.37	ND*	ND*
18	31/05/2021	57.64	27.68	13.65	25.45	0.30	ND*	ND*
19	03/06/2021	55.36	30.44	15.69	24.52	0.23	ND*	ND*
20	07/06/2021	49.63	20.61	11.61	14.51	0.32	ND*	ND*
21	10/06/2021	64.61	28.43	13.46	20.32	0.29	ND*	ND*
22	14/06/2021	56.35	25.46	7.59	26.31	0.34	ND*	ND*
23	17/06/2021	51.57	38.51	12.36	18.66	0.24	ND*	ND*
24	21/06/2021	68.61	27.51	9.64	21.54	0.18	ND*	ND*
25	28/06/2021	59.62	34.58	14.33	27.56	0.27	ND*	ND*
26	02/07/2021	59.33	25.42	12.64	19.58	0.46	ND*	ND*
27	05/07/2021	65.36	38.26	14.54	25.37	0.25	ND*	ND*
28	08/07/2021	36.42	20.57	10.68	21.34	0.40	ND*	ND*
29	12/07/2021	42.62	34.33	13.60	17.53	0.24	ND*	ND*
30	15/07/2021	83.52	23.87	15.30	23.65	0.44	ND*	ND*

Continue ...

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
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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 (SO ₂) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO ₂) $\mu\text{g}/\text{m}^3$	Carbon Monoxide as CO mg/m^3	Hydrocarbon as CH ₄ mg/m^3	Benzene as C ₆ H ₆ $\mu\text{g}/\text{m}^3$
31	19/07/2021	69.36	26.34	6.32	14.31	0.32	ND*	ND*
32	22/07/2021	50.76	21.28	8.83	20.55	0.21	ND*	ND*
33	26/07/2021	73.65	44.36	16.55	29.52	0.48	ND*	ND*
34	29/07/2021	63.42	29.85	9.66	24.65	0.52	ND*	ND*
35	02/08/2021	62.41	28.56	13.51	21.54	0.29	ND*	ND*
36	05/08/2021	59.52	25.63	15.40	24.35	0.53	ND*	ND*
37	09/08/2021	71.94	32.32	12.89	26.55	0.37	ND*	ND*
38	12/08/2021	57.62	38.46	16.67	30.59	0.54	ND*	ND*
39	16/08/2021	67.62	26.41	11.47	25.31	0.30	ND*	ND*
40	19/08/2021	73.86	21.49	17.66	31.51	0.52	ND*	ND*
41	23/08/2021	58.82	27.55	7.68	22.46	0.16	ND*	ND*
42	26/08/2021	60.36	34.53	10.47	18.56	0.24	ND*	ND*
43	02/09/2021	61.31	31.52	8.87	28.34	0.18	ND*	ND*
44	06/09/2021	50.34	20.40	6.47	25.39	0.24	ND*	ND*
45	13/09/2021	64.28	25.34	11.64	23.44	0.39	ND*	ND*
46	16/09/2021	52.62	22.62	13.57	20.60	0.21	ND*	ND*
47	23/09/2021	63.44	32.40	15.27	20.37	0.38	ND*	ND*
48	27/09/2021	54.36	24.58	12.36	24.64	0.30	ND*	ND*
LIMIT#		100	60	80	80	4	Not Specified	5
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I, May-2011)	Gravimetric-CPCB - Method (Vol.I, May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob & Hochheiser (NaOH-NaAsO ₂)	NDIR Digital Gas Analyzer	SOP: HC: GC/GCMS/Gas analyzer	IS 5182 (Part XI):2006/CPCB Method

*Not Detected

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

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
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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]					
		01/04/2021	05/05/2021	07/06/2021	07/07/2021	02/08/2021	03/09/2021
1	6:00-7:00	60.1	56.2	65.4	66.4	61.3	68.4
2	7:00-8:00	68.5	62.1	69.1	60.1	68.6	65.1
3	8:00-9:00	66.1	65.1	68.4	68.5	67.8	63.7
4	9:00-10:00	70.4	60.5	68.7	70.2	62.2	66.9
5	10:00-11:00	63.7	66.3	64.1	61.6	68.9	62.7
6	11:00-12:00	60.8	63.1	62.8	63.3	66.3	65.3
7	12:00-13:00	60.1	64.5	61.7	67.5	68.7	63.3
8	13:00-14:00	58.1	68.4	60.1	66.7	70.1	61.4
9	14:00-15:00	61.2	61.8	62.7	60.2	69.5	66.6
10	15:00-16:00	63.8	69.4	63.8	63.8	60.4	70.2
11	16:00-17:00	65.1	65.2	65.1	68.6	68.4	63.2
12	17:00-18:00	61.8	67.1	68.4	69.4	71.2	69.5
13	18:00-19:00	62.8	70.6	62.5	70.1	65.5	66.2
14	19:00-20:00	68.4	63.4	63.4	61.5	61.2	67.5
15	20:00-21:00	64.3	68.5	68.4	64.8	64.2	61.2
16	21:00-22:00	69.8	64.5	66.1	65.3	68.5	65.7
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]					
		01/04/2021	05/05/2021	07/06/2021	07/07/2021	02/08/2021	03/09/2021
1	22:00-23:00	62.1	63.4	56.2	65.2	65.4	66.5
2	23:00-00:00	63.4	60.1	60.5	60.2	60.3	63.3
3	00:00-01:00	65.1	59.8	65.8	59.6	68.4	64.9
4	01:00-02:00	62.8	62.4	63.1	56.4	62.1	66.1
5	02:00-03:00	60.1	67.4	59.2	60.4	61.5	59.1
6	03:00-04:00	53.4	60.8	56.1	63.6	58.8	62.9
7	04:00-05:00	62.4	63.1	62.4	61.8	62.1	60.2
8	05:00-06:00	64.1	61.5	60.8	68.4	65.5	68.1
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]					
		19/04/2021	06/05/2021	25/06/2021	28/07/2021	19/08/2021	06/09/2021
1	6:00-7:00	59.5	52.1	65.1	52.1	66.4	67.4
2	7:00-8:00	63.3	58.2	60.3	56.8	59.6	66.1
3	8:00-9:00	65.1	58.4	67.4	48.4	52.4	64.0
4	9:00-10:00	60.1	61.4	66.1	66.3	58.9	62.4
5	10:00-11:00	56.4	55.5	64.1	60.5	60.1	60.8
6	11:00-12:00	63.2	65.4	62.7	58.4	64.4	60.1
7	12:00-13:00	58.4	68.4	60.8	62.1	59.8	63.1
8	13:00-14:00	54.1	63.4	60.1	60.3	63.5	67.6
9	14:00-15:00	61.7	60.3	63.1	58.5	65.4	61.1
10	15:00-16:00	59.4	56.4	65.7	60.8	69.6	66.5
11	16:00-17:00	63.1	50.4	62.8	60.7	59.4	63.5
12	17:00-18:00	62.1	56.1	60.4	65.1	60.2	69.8
13	18:00-19:00	62.4	59.4	68.7	69.5	64.1	70.5
14	19:00-20:00	61.5	55.8	65.5	62.4	62.3	65.6
15	20:00-21:00	60.8	60.4	68.4	61.8	67.4	69.2
16	21:00-22:00	63.4	53.8	62.3	66.6	62.8	66.4
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]					
		19/04/2021	06/05/2021	25/06/2021	28/07/2021	19/08/2021	06/09/2021
1	22:00-23:00	62.4	59.7	59.4	59.5	56.2	59.2
2	23:00-00:00	59.5	52.1	52.1	52.1	59.8	56.2
3	00:00-01:00	63.1	46.1	50.4	46.5	62.4	58.4
4	01:00-02:00	62.8	49.8	59.8	45.2	63.1	54.8
5	02:00-03:00	59.4	52.4	56.1	54.7	60.8	56.3
6	03:00-04:00	58.4	55.1	62.4	59.3	62.1	60.3
7	04:00-05:00	61.8	60.2	56.8	60.3	60.4	60.7
8	05:00-06:00	58.7	56.4	60.8	55.8	58.4	58.3
Night Time Limit*		70 dB(A) Leq					

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

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RESULTS OF D.G. STACK MONITORING

08/05/2021					
SR. NO.	TEST PARAMETERS	Unit	WTP-SEZ	GPCB Limit	Test Method
			D.G. Set (380KVA)		
1	Particulate Matter	mg/Nm ³	25.62	150	IS:11255 (Part-I):1985
2	Sulphur Dioxide	ppm	5.51	100	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	ppm	38.40	50	IS:11255 (Part-VII):2005
4	Carbon Monoxide	mg/m ³	15.95	Not Specified	Digital Gas Analyzer
5	Hydro Carbon NMHC	ppm	Not Detected	Not Specified	Gas Chromatography

*DG sets are used as standby, so stack monitoring is done on quarterly basis. Results on 15 % O₂ 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 (SO_2) ($\mu\text{g}/\text{m}^3$)	5
4	Oxides of Nitrogen ($\mu\text{g}/\text{m}^3$)	5
5	Carbon Monoxide (CO) (mg/m^3)	0.1
6	Hydrocarbon (CH_4) (mg/m^3)	150
7	Benzene (C_6H_6) ($\mu\text{g}/\text{m}^3$)	2

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

Water parameter (mg/L)		
Sr. No.	Test parameter	MDL
1	pH	2
2	Temperature	2
3	Colour	2
4	Total Suspended Solids	2
5	Oil & Grease	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 NH_3	0.2
13	BOD (3 Days @ 27 °C)	1
14	COD	5
15	Chloride as Cl	1
16	Sulphate as 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 2021 TO SEPTEMBER 2021**

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

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

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

**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	
	Sampling Date		31/05/2021	
1	pH	--	7.76	IS 3025 (Part 5) 2017 Electrometric Method
2	Salinity	ppt	2.97	APHA 2520 B
3	Oil & Grease	mg/L	Not Detected	APHA(23rd Edition) 5520 B 2017
4	Hydrocarbon	mg/L	Not Detected	GC/GC-MS
5	Lead as Pb	mg/L	0.058	APHA (23rd Edition) 3111 B 2017
6	Arsenic as As	mg/L	Not Detected	APHA (23rd Edition) 3114 B 2017
7	Nickel as Ni	mg/L	Not Detected	APHA (23rd Edition) 3111 B 2017
8	Total Chromium as Cr	mg/L	0.037	APHA (23rd Edition) 3111 B 2017
9	Cadmium as Cd	mg/L	Not Detected	APHA (23rd Edition) 3111 B 2017
10	Mercury as Hg	mg/L	Not Detected	APHA (23rd Edition) 3112 B 2017
11	Zinc as Zn	mg/L	0.42	APHA (23rd Edition) 3111 B 2017
12	Copper as Cu	mg/L	Not Detected	APHA (23rd Edition) 3111 B 2017
13	Iron as Fe	mg/L	0.27	APHA (23rd Edition) 3500 Fe B 2017
14	Insecticides/Pesticides	mg/L	Absent	GC/GC-MS
15	Depth of Water Level from Ground Level	meter	2.2	--

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

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

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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	0.005
6	Arsenic as As	mg/L	0.001
7	Nickel as Ni	mg/L	0.01
8	Total Chromium as Cr	mg/L	0.05
9	Cadmium as Cd	mg/L	0.002
10	Mercury as Hg	mg/L	0.0006
11	Zinc as Zn	mg/L	0.05
12	Copper as Cu	mg/L	0.02
13	Iron as Fe	mg/L	0.05
14	Insecticides/Pesticides	mg/L	0.1

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

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Cleaner Production / Waste Minimization Facilitator

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

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR**ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED
TAL: MUNDRA, KUTCH, MUNDRA – 370 421****MONITORING PERIOD:
APRIL 2021 TO SEPTEMBER 2021****PREPARED BY:****POLLUCON LABORATORIES PVT.LTD.****PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,
OLD SHANTINATH SILK MILL LANE, NEAR GAYTRI FARSAN MART,
NAVJIVAN CIRCLE, UDHANA MAGDALLA ROAD, SURAT-395007.
PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.
E-mail: pollucon@gmail.com Web: www.polluconlab.com****TC - 5945****ISO 9001:2015****ISO 14001:2015****ISO45001:2018**

**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 SOIL

SR. NO.	TEST PARAMETERS	UNIT	RESULT			
			31/05/2021			
			Pub Building	Dhrub	Near Flyover Bridge	CETP
1	pH	--	9.18	8.92	8.32	9.11
2	Nitrogen as N	%	0.042	0.21	0.16	0.34
3	Phosphorus as P	mg/kg	316	268	158	379
4	Potassium as K	mg/kg	204	149	102	128
5	Baron as B	mg/kg	1.75	1.86	2.34	3.53
6	Calcium as Ca	mg/kg	318	374	419	479
7	Magnesium as Mg	mg/kg	352	382	742	628
8	Iron as Fe	%	0.49	0.61	0.73	0.53
9	Moisture	%	7.42	8.24	6.84	8.40
10	Organic Matter	%	0.31	0.73	0.61	0.21
11	CEC	meq/100 gm	10.32	9.92	10.38	10.12
12	TVC	CFU/gm	3.1×10^6	2.7×10^5	2.1×10^5	1.7×10^6
A	Heavy Metals					
13	Cadmium as Cd	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
14	Thorium as Th	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
15	Antimony as Sb	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
16	Arsenic as As	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
17	Lead as Pb	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
18	Chromium (VI) as Cr	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected
19	Cobalt as Co	mg/kg	13.8	12.4	21.3	25.8
20	Copper as Cu	mg/kg	15.4	17.3	35.8	42.9
21	Nickel as Ni	mg/kg	8.32	19.8	19.3	13.8
22	Manganese as Mn	mg/kg	258	314	356	329
23	Vanadium as V	mg/kg	9.30	8.13	9.14	8.52

Not Detected [Minimum Detection Limit for Solid Waste/Soil sample prepared as per USEPA method 3050 B: Cadmium as Cd: 1.0 mg/kg, Thorium as Th: 0.1 mg/kg, Antimony as Sb: 1.0 mg/kg, Arsenic as As: 1.0 mg/kg, Lead as Pb: 1.0 mg/kg, Chromium (VI) as Cr: 0.1 mg/kg, Cobalt as Co: 1.0 mg/kg]

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

Annexure – 2

APSEZL/EnvCell/2021-22/070

Date: 26.10.2021

To,

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

Subject: Submission of Monthly Analysis Reports (Third Party) of CETP operated by MPSEZ Utilities Limited for the month of **September - 2021**.

Dear Sir,

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

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

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

Authorized Signatory

Mukul Varshney
26/10/2021

CC To:

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

Sharma

N. A. P.
30/10/2021
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010

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

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

Ashu

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

To,

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

Subject: Submission of Monthly Analysis Reports along with receiving quantity of Industrial effluent and domestic sewage of units and Mundra Village connected with CETP operated by MPSEZ Utilities Limited for the month of **September - 2021**.

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports along with receiving quantity of the Industrial effluent and domestic sewage received from following at CETP for the month of **September - 2021**.

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

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

M. V. Vasani
26/10/2021
Authorized Signatory

CC To:

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

M. V. Vasani
26/10/2021
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010

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

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

Ashwini

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

APSEZL/EnvCell/2021-22/070

Date: 26.10.2021

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

Subject: Submission of Monthly Analysis Reports (Third Party) of CETP operated by MPSEZ Utilities Limited for the month of **September - 2021**.

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

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

Authorized Signatory

Mukul Vashrey
26/10/2021

CC To:

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

Shump

28-10-21
Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

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

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

Ashu

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

APSEZL/EnvCell/2021-22/071

Date: 26.10.2021

To,

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

Subject: Submission of Monthly Analysis Reports along with receiving quantity of Industrial effluent and domestic sewage of units and Mundra Village connected with CETP operated by MPSEZ Utilities Limited for the month of **September - 2021**.

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports along with receiving quantity of the Industrial effluent and domestic sewage received from following at CETP for the month of **September - 2021**.

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2.	M/s. Ahlstrom Munksjo Fibercomposites India Pvt. Ltd.	Industrial Effluent
3.	M/s. Skaps Industries India (Pvt.) Ltd. (Unit – I)	Domestic Sewage
4.	M/s. Skaps Industries India (Pvt.) Ltd. (Unit – II)	Domestic Sewage
5.	Mundra SEZ Integrated Textile Apparel Park Pvt. Ltd.	Domestic Sewage
6.	Mundra Village	Domestic Sewage

Kindly accept above submission and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Limited

[Signature]
26/10/2021
Authorized Signatory

CC To:

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

[Signature] 28-10-21
Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

MPSEZ Utilities Limited
(Formerly MPSEZ Utilities Private Limited)
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[Signature]

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

Annexure – 3

Annexure – 3

Details of Water Consumption (Apr – 21 to Sep – 21)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Apr-2021	123.0	48.0	75.0
2.	May-2021	237.0	54.0	183.0
3.	June-2021	132.0	40.0	92.0
4.	July-2021	136.0	39.0	97.0
5.	Aug-2021	124.0	49.0	75.0
6.	Sep-2021	142.0	43.0	99.0
	Total	894.0	273.0	621.0
	Avg. per Day	4.9	1.5	3.4

Collected Quantity of Trade Effluent and Treated Water Discharge

(Apr-21 to Sep-21)

Sr. No.	Month	Effluent & Sewage collected from member units + CETP in KL	Treated water Discharge in KL
1	Apr-2021	25397	25313
2	May-2021	21966	22081
3	June-2021	21233	21872
4	July-2021	21673	20230
5	Aug-2021	19744	19246
6	Sep-2021	15414	15289
Total Quantity		125427	124031
Avg. Quantity per Day		685	678

Annexure – 4



**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:311438 - Analysis Completion:30/09/2021

**Common treatment and disposal facilities(CETP, TSDF, Ewaste
recycling, CBMWTF, effluent conveyance project, incinerator,
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :
6993**

TEST REPORT

Test Report No. : 6993

Date: 01/10/2021

- | | |
|---|---|
| 1. Name of the Customer | : MPSEZ Utilities Ltd. (MUL) - 10605 |
| 2. Address | : SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),MUNDRA |
| 3. Nature of Sample | : REP-Representative/Grab, (Insp Type : HOR-H.O.Reference) |
| 4. Sample Collected By | : B.M.Dolasiya,SSA(M) |
| 5. Quantity of Sample Received | : 5 lits |
| 6. Code No. of the Sample | : 311438 |
| 7. Date & Time of Collection & Inwarding | : 02/09/2021 , (1535 to 1535) & 06/09/2021 |
| 8. Date of Start & Completion of Analysis | : 06/09/2021 & 30/09/2021 |
| 9. Sampling Point | : From Inlet of CETP ~ |
| 10. Flow Details (Remarks) | : |
| 11. Mode of Disposal | : |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : 27 & pH Range on pH Strip :7 to 8 |
| 14. Carboys Nos for | : Barcode & Color & Appearance :Blackish |
| 15. Water Consumption & W.W.G (KLPD) | : Ind :80.000 , Dom :20.000 & Ind :0.000 , Dom :15.000 |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	27
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	8.06
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	50
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	1728
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	182
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	26
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	72
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	560
9	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	270
10	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	880
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	2.8
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	0.65
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.05
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.008
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	0.006
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	291

Laboratory Remarks : Freeze By:251-r.o_251 Dt.: 01/10/2021

T. C. Barmada

T.C Barmada, ROH

Field Observation :

Note :

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



**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:311439 - Analysis Completion:30/09/2021

**Common treatment and disposal facilities(CETP, TSDF, Ewaste
recycling, CBMWTF, effluent conveyance project, incinerator,
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :
6994**

TEST REPORT

Test Report No. : 6994

Date: 01/10/2021

- | | |
|---|---|
| 1. Name of the Customer | : MPSEZ Utilities Ltd. (MUL) - 10605 |
| 2. Address | : SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),MUNDRA |
| 3. Nature of Sample | : REP-Representative/Grab, (Insp Type : HOR-H.O.Reference) |
| 4. Sample Collected By | : B.M.Dolasiya,SSA(M) |
| 5. Quantity of Sample Received | : 5 |
| 6. Code No. of the Sample | : 311439 |
| 7. Date & Time of Collection & Inwarding | : 02/09/2021 , (1545 to 1545) & 06/09/2021 |
| 8. Date of Start & Completion of Analysis | : 06/09/2021 & 30/09/2021 |
| 9. Sampling Point | : From Final outlet of CETP ~ |
| 10. Flow Details (Remarks) | : |
| 11. Mode of Disposal | : On land for Plantation & Gardening within SEZ area of the MPSEZ |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : 27 & pH Range on pH Strip :7 to 8 |
| 14. Carboys Nos for | : Barcode & Color & Appearance :Colourless |
| 15. Water Consumption & W.W.G (KLPD) | : Ind :80.000 , Dom :20.000 & Ind :0.000 , Dom :15.000 |

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	27
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	7.96
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	1810
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	34
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standar	1 - 2000 mg/l.	7.0
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	53
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	420
9	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	480
10	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2C	5.0- 50000 mg/l	86
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.6
12	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	0.0
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	0.25
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.05
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.006
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	0.006
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	26

Laboratory Remarks : Freeze By:251-r.o_251 Dt.: 01/10/2021

T. C. Barmada

T.C Barmada, ROH

Field Observation :

Note :

1. * - These parameters are NOT covered under the scope of NABL.
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3. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
4. This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
5. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
6. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
8. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

Annexure – 5

MPSEZ UTILITIES LIMITED, MUNDRA
INTEGRATED MANAGEMENT SYSTEM PROCEDURES MANUAL

ASSET/ F/ 003

COMMON EFFLUENT TREATMENT PLANT (CETP)

Location: MUL - CETP

Date: 30/09/2021

TIME	pH Value				DO Value (mg/L)		Meter Reading	Initial	Final	Difference	Remarks
	Eq. Tank-1	Eq. Tank-2	Guard Pond	Final Outlet	Aeration Tank-1	Aeration Tank-2	Time of Reading Taken				
8:00 AM	8.01	8.02	8.04	8.08	07	-	Energy Meter Reading in KWH	30852	30873	17	
12:00 PM	8.01	8.3	8.04	8.08	07	-	Sector-5 Inlet Flow meter in KL (F1)	266641	266731	85	
16:00 PM	8.01	8.3	8.03	8.08	07	-	MITAP Area Inlet flow meter in KL (F2)	11751	12289	479	
20:00 PM	8.07	8.3	8.03	8.08	07	-	Final Treated Water Outlet Flow meter (F3)	418218	418424	206	
00:00 AM	8.07	8.3	8.02	8.08	07	-	Mundra Village Sewage Flow Meter in KL (F4)	16368	16409	35	
4:00 AM	8.06	8.2	8.02	8.08	07	-	Fresh Water Consumption Flow meter (F5)	26541	26544	03	

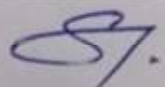
Chemical Consumption in Kg

Name of Chemical	Opening	Closing	Difference	Remarks
Sodium Hypochlorite	520	480	40 Ltr	
Alum Solid	1340	1332	8 Ltr	
Anionic Polyelectrolyte	10.8	10.4	0.400 gm	
HCl	210	210		

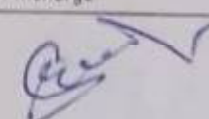
Hazardous Waste

Sludge Disposal	Generation in Kg	Disposed in Kg	Stock as on Date	Remarks		
CETP Sludge	—	—	4500			
Status of CEQMS	pH	TSS (mg/L)	COD (mg/L)	BOD (mg/L)	TOC (mg/L)	NH3-N (mg/L)
Value	8.08	10.0	172.7	57.6	49.8	1 mg/L

Name & Sign of Operator



Name & Sign of Incharge



Annexure – 6


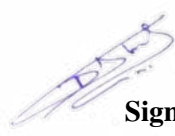


Ambuja Cement Ltd (Unit - Ambuja) [17221]

Manifest No:
1337951
04/06/2021

Copy 1

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

Sender's Details					
Sender Name	MPSEZ Utilities Ltd. (MUL) [10605]				
Address	SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. 141 (PART),VILL MUNDRA Taluka :MUN Distict:KUT Pin no:370421				
Contact Details	9687678443 chiragsing.rajpud@adani.com	GPS Coordinates	Lat :22.4800 Long :69.4200		
Receiver's Details					
State	Gujarat	Type of Facility	Co- processing		
Facility Details	Ambuja Cement Ltd (Unit - Ambuja) [17221]				
Contact Details	7228966656 anand.prakash@ambujacement.com	GPS Coordinates	Lat :20.0000 Long:70.0000		
Address	PO : Ambujanagar , 362715,Taluka - Kodinar , District - Junagadh Taluka :KOD Distict:GSM Pin no:362715				
Waste Details					
Waste Details	I~35~35.3~Chemical sludge from waste water treatment				
Waste Intended for	Co-Processing	Total Qty	6.060MT	Consistency	Solid
Transporter Details					
Name	Sathi Enterprise	Contact Details	9998912166 sathienterprise77@gmail.com		
Address	Po SADAU,Mundra District :Kutch East Taluka :Mundra				
Vehicle Details					
Vehicle no	GJ12 Z 0881	GPS Enabled	Yes	Type of Vehicle	Truck
Driver name	Ali Kumbhar	Driver Contact No	9099031757		
Waste Transportation Details					
Vehicle Depart.	04/06/2021 7:00PM	Number of Drums	0	Loose Waste	6.060
Remarks	Chemical sludge from waste water treatment (CETP Sludge) - Sch-I/35.3 @ Qty. 6.060 MT SENT FOR CO-PROCESSING AT AMBUJA CEMENT LTD, KODINAR		No of bags	300	
Sender's Declaration : 1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations. 2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.					
Name and stamp of sender:				Date:	Signature: 
Transporter's Acknowledgement of Receipt of waste Stamp: Date: Signature:					
Receiver's Certification of Receipt of Hazardous waste					

Stamp:

Date:

Signature:

Annexure – 7

Env Cell/MUL/CETP/EAR/2021/01

Date: 07.06.2021

To,

The Member Secretary,Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector - 10A,
Gandhinagar - 382010.**Subject:** Submission of Environmental Audit Report of our CETP (MUL) for the period of 01.10.2020 to 31.03.2021.**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 31st March, 2021. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities Ltd. (MUL)
Address of the Industry	:	S. No. / Plot No. 141 (Part)
	:	Village & Taluka: Mundra, Dist: Kutch - 370421.
Activity	:	Common Effluent Treatment Plant (2.5 MLD Capacity)
EC No.	:	SEIAA/GUJ/EC/7(h)/43/2010 dated 20.02.2010
CC&A Order No.	:	AWH-79311 dated 02.06.2016, valid up to 07.04.2021
Audit Period	:	Oct-20 to Mar-21
UTR No.	:	AXISCN0080994105, dated 01.06.2021
Bank Name	:	Axis Bank Ltd.
Total Amount	:	Rs. 20,000/- (INR Twenty Thousand only)
Pay to	:	Gujarat Pollution Control Board, Gandhinagar

Kindly accept and acknowledge the same.

Thanking you.

For, MPSEZ Utilities Limited

Authorized Signatory

Encl:

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

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

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

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

15/6/2021
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010.



MPSEZ UTILITIES PRIVATE LIMITED

"Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar,
Ahmedabad 382421

CIN No: U45209GJ2007PLC051323

Payment Advice

Vendor Name GUJARAT POLLUTION CONTROL BOARD
Vendor Address

Document 20000000518
Date 01.06.2021
Vendor Code 103152
Posting Doc
UTR No AXISCN0080994105
PO Number
Vendor Bill Number 000000000
Plant Code
Description 17000000029 GPCB AUDIT

City KUTCH

Ref No 01.06.2021 MU13

Bank IFSC Code IOBA0001816

Bank A/c No 1816020000000073

Dear SIR/MADAM

This is to inform you that your payment(s) have been released for Rs. 20,000.00 (Rupees Twenty Thousand Only). The details are mention below:

Yr Invoice (Reference)	Inv. Date	Amounts	TDS	TCS	Net Amounts
000000000	20.05.2021	20,000.00	0.00	0.00	20,000.00
	Total		0.00	0.00	20,000.00

Thanks and Regards
ABEX B2P Team

PS : This is a system generated mail, please do not reply to it.

RET=Retention(PO) / RTBG=Retention(BG) / LDD=LD Deduction / LDH=LD Hold
MADV=Mob.Advance Adjustment / ADV=Advance Adjustment / DED=Other Deduction

Annexure – 8

- 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=687542,Kilo Litre=10249
Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 8554 / 384 / 1311 / 0
- 9. Electricity consumed in PRODUCTION :** 1040036 **ETP/CETP :** 41270 **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):** Co-Incineration Waste to other Industry=206.530,Trucks despatched=30

PCB ID : 29005

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	326.900-M.T	
FUE	FUR	fo	53.170-M.T	
FUE	LDO	ldo	2.315-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	13.260-KGS	
GAS		NOX	454.590-KGS	
GAS		PM	911.420-KGS	
GAS		SO2	592.220-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	2754.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	395.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	16.300-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	118.000-M.T	
PRD	81422	tpt based titanates	673.000-M.T	
PRD	256930	wax (im 3027), by-product	29.000-M.T	

Online Manifest Prepared

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1313531-30/04/2021	DN09P9874-30/04/2021		Empty drums and barrels-33.11 1.980 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1312503-29/04/2021	GJ12AW0585-29/04/2021		Distillation residue-36.1 17.840 MTS (36.1)
1310658-27/04/2021	DN09R9160-27/04/2021		EMPTY DRUMS-33.1 3.705 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1310511-26/04/2021	GJ18T9787-26/04/2021		process residue-28.1 5.420 MTS (28.1)
1310372-26/04/2021	GJ09AU9027-26/04/2021		PROCESS RESIDUE-28.1 9.965 MTS (28.1)
1306501-21/04/2021	DN09P9889-21/04/2021		Empty drums and barrels-33.11 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1305472-19/04/2021	DN09R9046-19/04/2021		EMPTY DRUMS-33.1 2.210 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1305373-19/04/2021	MH04EL6305-19/04/2021		EMPTY DRUMS AND BARRELS-33.11 3.465 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1305364-19/04/2021	GJ27TT4925-19/04/2021		Empty drum and barrels-33.11 3.610 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1305389-19/04/2021	GJ19X1178-19/04/2021		PROCESS RESIDUE-28.1 16.380 MTS (28.1)

1305073-19/04/2021	GJ27TT2185-19/04/2021		PROCESS RESIDUE-28.1 9.210 MTS (28.1)
1302954-16/04/2021	GJ27TT9027-16/04/2021		PROCESS RESIDUE-28.1 10.250 MTS (28.1)
1302762-16/04/2021	GJ27TT1496-16/04/2021		EMPTY DRUMS-33.1 3.845 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1302671-16/04/2021	GJ19Y8666-16/04/2021		PROCESS RESIDUE-28.1 23.710 MTS (28.1)
1302417-15/04/2021	GJ12AW0585-15/04/2021		PROCESS RESIDUE-28.1 14.125 MTS (28.1)
1301840-15/04/2021	GJ01FT1323-15/04/2021		EMPTY DRUMS AND IBC'S-33.1 2.415 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1300649-13/04/2021	GJ19X1178-13/04/2021		PROCESS RESIDUE-28.1 13.650 MTS (28.1)
1300249-13/04/2021	GJ23Y5573-13/04/2021		PROCESS RESIDUE-28.1 13.645 MTS (28.1)
1299760-12/04/2021	GJ01DX8840-12/04/2021		Process Waste-28.1 7.845 MTS (28.1)
1297583-09/04/2021	GJ12AW0585-09/04/2021		DISTILLATION RESIDUE-36.1 17.530 MTS (36.1)
1296793-08/04/2021	RJ27GA3345-08/04/2021		Distillation residue-36.1 17.420 MTS (36.1)
1295738-07/04/2021	GJ27TT9027-07/04/2021		PROCESS RESIDUE-28.1 10.490 MTS (28.1)
1295922-07/04/2021	GJ01JT7172-07/04/2021		EMPTY DRUMS AND IBC'S-33.1 3.805 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1295157-06/04/2021	GJ18T9787-06/04/2021		PROCESS RESIDUE-28.1 9.400 MTS (28.1)
1292877-03/04/2021	GJ09AU9027-03/04/2021		Process Waste-28.1 9.650 MTS (28.1)
1291937-02/04/2021	DN09R9316-02/04/2021		Empty IBCs-33.11 2.070 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1291762-02/04/2021	DN09P9889-02/04/2021		EMPTY DRUMS AND IBC'S-33.1 2.185 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1291635-01/04/2021	DN09R9046-01/04/2021		Empty IBCs-33.11 2.175 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1291518-01/04/2021	DN09P9866-01/04/2021		Empty containers and liners-33.11 2.250 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1291490-01/04/2021	GJ12BW8202-01/04/2021		Mixed solvent-20.1 19.616 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=698036,Kilo Litre=10494

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 8365 / 456 / 1673 / 0

9. Electricity consumed in PRODUCTION : 1327366 **ETP/CETP :** 36740 **APCM :** 9426

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

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

11. Products : cold filter plug point (cfpp) products (anti freezing oil additives),Distilled Glycerine (by-product),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),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=132.040,Trucks despatched=27

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	445.400-M.T	
FUE	FUR	fo	64.731-M.T	
FUE	LDO	ldo	4.608-KLT	
GAS		HCL	0.070-KGS	
GAS		NH3	12.480-KGS	
GAS		NOX	464.770-KGS	
GAS		PM	990.670-KGS	
GAS		SO2	670.010-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	107.000-M.T	
PRD	256929	distilled glycerine (by-product)	4.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3445.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	509.100-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	168.000-M.T	
PRD	81422	tpt based titanates	699.000-M.T	
PRD	256930	wax (im 3027), by-product	34.000-M.T	

Online Manifest Prepared

MF ID- Date	Truck No- Date	TSDF Name	H.W Remark / Qty
1334825- 31/05/2021	GJ10W6355- 31/05/2021		MIXED SOLVENTS 14.926 MTS (20.2)
1334811- 31/05/2021	GJ27TT9027- 31/05/2021		process residue-28.1 10.805 MTS (28.1)
1333640- 29/05/2021	GJ27TT1496- 29/05/2021		Empty drums and barrels-33.11 1.865 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1332838- 28/05/2021	GJ12AZ8629- 28/05/2021		Mixed Solvent-20.1 14.458 MTS (20.2)
1332035- 27/05/2021	GJ18T9787- 27/05/2021		PROCESS RESIDUE-28.1 7.905 MTS (28.1)
1331896- 27/05/2021	DN09R9961- 27/05/2021		Empty Drums and Barrels-33.11 3.575 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1331264- 26/05/2021	GJ01HT2342- 26/05/2021		EMPTY DRUMS-33.1 1.815 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1329519- 24/05/2021	GJ27TT9027- 24/05/2021		PROCESS RESIDUE-28.1 10.315 MTS (28.1)
1329466- 24/05/2021	GJ12AU5843- 24/05/2021		MIXED SOLVENTS-20.1 14.135 MTS (20.1)

1328517- 22/05/2021	GJ01DZ7355- 22/05/2021	Empty drums and barrels-33.11 1.775 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1327670- 21/05/2021	GJ12AU72364- 21/05/2021	MIXED SOLVENTS-20.1 13.884 MTS (20.1)
1327194- 20/05/2021	GJ01FT1352- 20/05/2021	EMPTY DRUMS-33.1 3.435 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1326382- 19/05/2021	DN09P9871- 19/05/2021	EMPTY DRUMS-33.1 3.605 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1326551- 19/05/2021	GJ21W3696- 19/05/2021	Process Waste & Residue-28.1 16.775 MTS (28.1)
1325656- 17/05/2021	GJ09AV3708- 17/05/2021	Process residue-28.1 17.435 MTS (28.1)
1324786- 15/05/2021	DN09R9046- 15/05/2021	Empty drums and barrels-33.11 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1321490- 11/05/2021	DN09R9738- 11/05/2021	EMPTY DRUMS AND IBC'S-33.1 2.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1320661- 10/05/2021	GJ01DX8840- 10/05/2021	Process Waste-28.1 10.085 MTS (28.1)
1320739- 10/05/2021	GJ01DZ7436- 10/05/2021	Empty drums and liners-33.11 3.390 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1320785- 10/05/2021	DN09P9868- 10/05/2021	Empty drums and containers-33.11 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1320591- 10/05/2021	DN09P9876- 10/05/2021	Empty IBCs-33.11 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1319430- 08/05/2021	GJ21W3696- 08/05/2021	Process waste-28.1 17.465 MTS (28.1)
1318687- 07/05/2021	DN09U9179- 07/05/2021	Distillation Residue-36.1 17.145 MTS (36.1)
1317770- 06/05/2021	DN09R9046- 06/05/2021	EMPTY DRUMS AND IBC'S-33.3 2.245 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1315127- 03/05/2021	DN09R9738- 03/05/2021	Empty barrel-33.3 1.845 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1314799- 03/05/2021	GJ15YY6316- 03/05/2021	Process waste-28.1 24.110 MTS (28.1)
1314375- 02/05/2021	DN09P9889- 02/05/2021	Empty drums and barrels -33.11 1.935 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=708652,Kilo Litre=10616

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 8698 / 434 / 1484 / 0

9. Electricity consumed in PRODUCTION : 1328476 **ETP/CETP :** 38630 **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): INC. Waste for Incineration=11.145,Co-Incineration Waste to other Industry=186.775,Trucks despatched=51

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	445.200-M.T	
FUE	FUR	fo	65.022-M.T	
FUE	LDO	ldo	2.630-KLT	
GAS		HCL	0.050-KGS	
GAS		NH3	10.110-KGS	
GAS		NOX	632.460-KGS	
GAS		PM	939.250-KGS	
GAS		SO2	828.840-KGS	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3843.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	518.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	7.900-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	168.000-M.T	
PRD	81422	tpt based titanates	626.000-M.T	
PRD	256930	wax (im 3027), by-product	46.000-M.T	

Online Manifest Prepared

MF ID- Date	Truck No- Date	TSDf Name	H.W Remark / Qty
1356023- 30/06/2021	DN09R9791- 30/06/2021		EMPTY DRUMS AND IBC'S-33.1 2.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1355864- 30/06/2021	GJ12BW8954- 30/06/2021		MIXED SOLVENTS-20.1 20.685 MTS (20.1)
1356018- 30/06/2021	GJ12BW7452- 30/06/2021		MIXED SOLVENTS-20.1 19.240 MTS (20.1)
1355247- 29/06/2021	GJ12BW8879- 29/06/2021		Mixed Solvent-20.1 20.105 MTS (20.1)
1354426- 28/06/2021	GJ12V9688- 28/06/2021		PROCESS RESIDUE-28.1 14.680 MTS (28.1)
1354506- 28/06/2021	GJ27TT4925- 28/06/2021		Empty barrel-33.3 3.765 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1354310- 28/06/2021	GJ09AU9027- 28/06/2021		PROCESS RESIDUE-28.1 10.725 MTS (28.1)
1352384- 25/06/2021	GJ01FT4987- 25/06/2021		EMPTY DRUMS-33.1 1.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1352381- 25/06/2021	MH04EL6307- 25/06/2021		EMPTY DRUMS-33.1 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1352394- 25/06/2021	GJ27TT9027- 25/06/2021		Process Waste-28.1 7.935 MTS (28.1)

1351518-24/06/2021	MH04GR3963-24/06/2021		Empty Barrel-33.3 1.905 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1350967-23/06/2021	GJ01DX8840-23/06/2021		Process Waste-28.1 9.325 MTS (28.1)
1350983-23/06/2021	DN09P9868-23/06/2021		Empty barrel-33.3 3.672 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1350930-23/06/2021	GJ06X8352-23/06/2021		Process waste-28.1 14.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1350949-23/06/2021	GJ06X8352-23/06/2021		Process Waste-28.1 13.960 MTS (28.1)
1349700-22/06/2021	DN09R9738-22/06/2021		Empty Barrel-33.3 3.680 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1349431-21/06/2021	DN09R9046-21/06/2021		EMPTY Barrel-33.3 1.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1349438-21/06/2021	GJ09AU9027-21/06/2021		Process waste-28.1 8.935 MTS (28.1)
1348053-19/06/2021	DN09P9871-19/06/2021		Empty barrel-33.3 1.940 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1348061-19/06/2021	DN09P9879-19/06/2021		EMPTY BARREL-33.3 1.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1347389-18/06/2021	GJ01DZ7235-18/06/2021		EMPTY BARREL-33.3 3.745 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1346947-17/06/2021	GJ3AT2447-17/06/2021		EMPTY DRUMS AND IBC'S-33.1 1.210 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1346355-16/06/2021	GJ21W3696-16/06/2021		DISTILLATION RESIDUE-36.4 16.640 MTS (36.1)
1346266-16/06/2021	GJ12BT0251-16/06/2021		Waste Name changed i.e. Filters and filters materials/Contaminated Cotton Waste-35.1 5.275 MTS (35.1)
1344561-14/06/2021	DN09P9883-14/06/2021		EMPTY DRUMS-33.1 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1344095-14/06/2021	GJ12Z9946-14/06/2021		Process waste-28.1 21.850 MTS (28.1)
1343443-12/06/2021	GJ09AU9027-12/06/2021		Process Waste-28.1 10.130 MTS (28.1)
1342464-11/06/2021	GJ03AT0965-11/06/2021		EMPTY DRUMS AND IBC'S-33.1 0.975 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1342142-10/06/2021	DN09P9868-10/06/2021		Empty Barrel-33.3 2.040 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1341663-10/06/2021	DN09R9961-10/06/2021		EMPTY DRUMS AND IBC'S-33.1 2.435 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1341387-09/06/2021	GJ27TT9027-09/06/2021	PROCESS WASTE-28.1 10.950 MTS (28.1)
1340591-08/06/2021	MH04JK3641-08/06/2021	EMPTY DRUMS-33.1 3.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1340280-08/06/2021	GJ09AV3708-08/06/2021	Distillation Residue-36.4 17.225 MTS (36.1)
1339773-07/06/2021	GJ09AU9027-07/06/2021	PROCESS RESIDUE-28.1 10.280 MTS (28.1)
1339768-07/06/2021	GJ12BT2909-07/06/2021	EMPTY DRUMS AND IBC'S-33.1 1.200 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1339381-07/06/2021	DN09R9738-07/06/2021	EMPTY DRUMS-33.3 1.945 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1338649-05/06/2021	DN09R9791-05/06/2021	Empty IBCs-33.11 2.145 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1338634-05/06/2021	GJ01JT7172-05/06/2021	Empty IBCs-33.11 3.525 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1337952-04/06/2021	DN09R9046-04/06/2021	Empty drums and barrels-33.11 3.750 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1337853-04/06/2021	DD01C9856-04/06/2021	Empty drums and barrels-33.11 2.700 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1337542-04/06/2021	GJ19Y7773-04/06/2021	Process waste-28.1 25.110 MTS (28.1)
1337137-03/06/2021	GJ01DZ7235-03/06/2021	Empty Drums and barrels-33.11 1.830 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1337092-03/06/2021	GJ12BT9672-03/06/2021	Empty IBCs-33.11 1.500 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1337042-03/06/2021	GJ12AW6162-03/06/2021	mixed solvent-20.2 14.976 MTS (20.2)
1337109-03/06/2021	GJ12AZ5021-03/06/2021	Waste Name changed i.e. Filters and filters materials/Contaminated Cotton Waste-35.1 5.870 MTS (35.1)
1336298-02/06/2021	MH04EL6308-02/06/2021	EMPTY DRUMS-33.1 3.755 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1335669-01/06/2021	GJ01DZ9933-01/06/2021	Empty barrel-33.3 2.305 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1335567-01/06/2021	GJ18T9787-01/06/2021	PROCESS RESIDUE-28.1 8.925 MTS (28.1)
1335585-01/06/2021	GJ12AZ8879-01/06/2021	MIXED SOLVENT 14.344 MTS (20.2)
1335300-01/06/2021	GJ01DZ7027-01/06/2021	EMPTY DRUMS AND IBC'S-33.1 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1335303-01/06/2021	GJ01FT1122-01/06/2021		EMPTY DRUMS AND IBC'S-33.1 2.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
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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=718599,Kilo Litre=9947

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 8224 / 457 / 1266 / 0

9. Electricity consumed in PRODUCTION : 1380846 **ETP/CETP :** 45940 **APCM :** 9426

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

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

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

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

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

14. HAZ Waste Disposal(in Metric Tonne): INC. Waste for Incineration=5.700,Co-Incineration Waste to other Industry=197.870,Trucks despatched=43

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	448.800-M.T	
FUE	FUR	fo	64.994-M.T	
FUE	LDO	ldo	2.360-KLT	
GAS		HCL	0.040-KGS	
GAS		NH3	11.440-KGS	
GAS		NOX	599.540-KGS	
GAS		PM	955.660-KGS	
GAS		SO2	761.850-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	50.000-M.T	
PRD	256929	distilled glycerine (by-product)	7.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3807.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	554.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	10.000-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	119.000-M.T	
PRD	81422	tpt based titanates	943.000-M.T	
PRD	256930	wax (im 3027), by-product	58.000-M.T	

Online Manifest Prepared

MF ID-Date	Truck No-Date	TSDf Name	H.W Remark / Qty
1375952-30/07/2021	GJ18T9787-30/07/2021		PROCESS RESIDUE - 28.1 8.930 MTS (28.1)
1375575-30/07/2021	GJ12Y5354-30/07/2021		PROCESS RESIDUE-28.1 20.430 MTS (28.1)
1375989-30/07/2021	GJ23AT2176-30/07/2021		EMPTY DRUMS-33.1 3.380 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1375984-30/07/2021	GJ3AT2447-30/07/2021		EMPTY DRUMS AND IBC'S-33.1 1.155 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1375285-29/07/2021	DN09U9179-29/07/2021		Distillation residue-36.1 17.355 MTS (36.1)
1375274-29/07/2021	DN09R9763-29/07/2021		EMPTY DRUMS-33.1 1.850 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1375270-29/07/2021	GJ03AT0965-29/07/2021		EMPTY DRUMS AND IBC'S-33.1 0.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1374540-28/07/2021	GJ09AU9027-28/07/2021		Process Waste-28.1 8.975 MTS (28.1)
1374295-28/07/2021	GJ12BW9362-28/07/2021		Mixed solvent-20.1 23.545 MTS (20.2)

1373248-26/07/2021	DN09P9883-26/07/2021	EMPTY DRUMS-33.1 1.695 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1371441-23/07/2021	DN09R9046-23/07/2021	EMPTY DRUMS-33.1 1.935 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1371448-23/07/2021	GJ12AW0585-23/07/2021	Distillation residue-36.1 16.975 MTS (36.1)
1370673-22/07/2021	DN09P9889-22/07/2021	Empty IBCs-33.11 2.115 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1369807-21/07/2021	GJ12AZ8321-21/07/2021	Mixed Solvent-20.1 19.950 MTS (20.1)
1369815-21/07/2021	GJ01DX8840-21/07/2021	Process waste-28.1 9.875 MTS (28.1)
1369368-20/07/2021	DN09P9868-20/07/2021	EMPTY DRUMS-33.1 3.310 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1369420-20/07/2021	GJ12AU9754-20/07/2021	SOLVENT 14.716 MTS (20.2)
1369382-20/07/2021	RJ02GA6130-20/07/2021	Distillation residue-36.1 16.110 MTS (36.1)
1367266-17/07/2021	GJ23AT2438-17/07/2021	Empty Drums and IBCs-33.11 2.105 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1366280-15/07/2021	GJ23AT2176-15/07/2021	Empty drums and Barrels-33.11 1.920 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1366272-15/07/2021	GJ01DZ7054-15/07/2021	Empty Drums and Containers-33.11 3.660 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1365415-14/07/2021	HR55U0101-14/07/2021	EMPTY DURMS-33.1 1.915 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1365244-14/07/2021	GJ09AV3708-14/07/2021	Distillation residue-36.1 16.835 MTS (36.1)
1364555-13/07/2021	MH04FD3409-13/07/2021	EMPTY DRUMS-33.1 3.840 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1364842-13/07/2021	GJ27TT2185-13/07/2021	Process Waste-28.1 9.260 MTS (28.1)
1364798-13/07/2021	GJ01DX8840-13/07/2021	Process waste-28.1 9.260 MTS (28.1)
1364095-12/07/2021	GJ19X7523-12/07/2021	Distillation residue-36.1 14.150 MTS (36.1)
1362810-10/07/2021	MH04EL6308-10/07/2021	Empty drums and barrels-33.11 3.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1362325-09/07/2021	DN09P9868-09/07/2021	Empty drums and barrels-33.11 1.770 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1361575-08/07/2021	DN09U9326-08/07/2021	EMPTY DRUMS AND IBC'S-33.1 2.400 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1099492-08/07/2020	GJ12AU9739-08/07/2021	MIXED SOLVENT-20.1 13.606 MTS (20.1)
1360697-07/07/2021	GJ01DX8840-07/07/2021	Process residue-28.1 10.325 MTS (28.1)
1360017-06/07/2021	DN09R9046-06/07/2021	EMPTY DRUMS-33.1 2.110 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1360005-06/07/2021	GJ12X3014-06/07/2021	MIXED SOLVENTS-20.1 15.096 MTS (20.1)
1360016-06/07/2021	DN09P9874-06/07/2021	EMPTY DRUMS AND IBC'S-33.1 3.085 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1359948-06/07/2021	GJ12BT0125-06/07/2021	Waste Name changed i.e. Filters and filters materials/Contaminated Cotton Waste-35.1 5.700 MTS (35.1)
1359167-05/07/2021	RJ02GA6130-05/07/2021	Distillation Residue-36.1 18.360 MTS (36.1)
1357931-03/07/2021	DN09P9876-03/07/2021	Empty drums/barrels-33.11 3.970 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1357576-03/07/2021	GJ10TV5114-03/07/2021	Mixed solvent-20.1 17.499 MTS (20.1)
1356753-01/07/2021	GJ12BW7282-01/07/2021	Mixed Solvent-20.1 19.469 MTS (20.1)
1356706-01/07/2021	GJ12BT6911-01/07/2021	Mixed solvent-20.2 19.850 MTS (20.2)
1356614-01/07/2021	GJ12BX8879-01/07/2021	MIXED SOLVENT-20.1 20.196 MTS (20.1)
1356745-01/07/2021	DN09R9763-01/07/2021	Empty BARREL-33.3 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1356420-01/07/2021	GJ12AT6168-01/07/2021	Process Waste-28.1 20.415 MTS (28.1)

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

PCB ID : 29005

2. Phone No. : 9928088180

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

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

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

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=730074,Kilo Litre=11475

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 9706 / 370 / 1399 / 0

9. Electricity consumed in PRODUCTION : 1322916 **ETP/CETP :** 42550 **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 : Distilled Glycerine (by-product),process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.),salt of ammonium chloride (by-product),Sodium bi-sulphide solution (By-product),tetra iso-propyl titanate(tpt),tpt based titanates,Wax (IM 3027), by-product

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

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

14. HAZ Waste Disposal(in Metric Tonne): Co-Incineration Waste to other Industry=122.365,Trucks despatched=29

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	442.800-M.T	
FUE	FUR	fo	64.150-M.T	
FUE	LDO	ldo	2.405-KLT	
GAS		HCL	0.060-KGS	
GAS		NH3	16.850-KGS	
GAS		NOX	763.550-KGS	
GAS		PM	1209.110-KGS	
GAS		SO2	985.430-KGS	
PRD	256929	distilled glycerine (by-product)	9.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3404.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	554.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	4.800-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	271.000-M.T	
PRD	81422	tpt based titanates	750.000-M.T	
PRD	256930	wax (im 3027), by-product	45.000-M.T	

Online Manifest Prepared

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1396721-31/08/2021	MH04GR3968-31/08/2021		EMPTY DRUMS-33.1 2.395 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1396718-31/08/2021	MH04GR3963-31/08/2021		EMPTY DRUMS-33.1 3.750 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1396723-31/08/2021	DN09P9874-31/08/2021		EMPTY DRUMS-33.1 2.220 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1395316-28/08/2021	DN09P9889-28/08/2021		Empty drums and containers-33.11 2.000 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1394988-28/08/2021	GJ12AW0585-28/08/2021		Waste Name diiferent i.e. Spent catalyst-35.2 13.300 MTS (35.2)
1394557-27/08/2021	GJ03AT0965-27/08/2021		EMPTY BARREL-33.3 0.995 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1394554-27/08/2021	GJ03AT2447-27/08/2021		EMPTY BARREL-33.3 1.085 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1393874-26/08/2021	GJ12AZ8321-26/08/2021		MIXED SOLVENT-20.1 19.990 MTS (20.1)
1393027-25/08/2021	DN09R9160-25/08/2021		EMPTY DRUMS-33.1 3.600 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1391958- 24/08/2021	MH04EL6307- 24/08/2021		EMPTY DRUMS-33.1 1.995 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1391564- 23/08/2021	GJ23Y5573- 23/08/2021		Waste Name different i.e.Spent Catalyst-35.2 16.485 MTS (35.2)
1389101- 19/08/2021	GJ18T9787- 19/08/2021		process residue-28.1 8.320 MTS (28.1)
1389016- 19/08/2021	DN09R9961- 19/08/2021		empty drums -33.1 1.870 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1387407- 17/08/2021	GJ12Z9946- 17/08/2021		Process Residue & Waste -28.1 22.360 MTS (28.1)
1387487- 17/08/2021	DN09R9046- 17/08/2021		EMPTY DRUMS-33.1 3.585 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1387145- 16/08/2021	DN09U9179- 16/08/2021		Distillation residue-36.1 17.315 MTS (36.1)
1385268- 13/08/2021	GJ01DX8840- 13/08/2021		Process Residue & Waste -28.1 10.025 MTS (28.1)
1384504- 12/08/2021	GJ12AU8629- 12/08/2021		solvents 13.851 MTS (20.2)
1384663- 12/08/2021	GJ12AU8629- 12/08/2021		MIXED SOLVENTS-20.1 13.851 MTS (20.1)
1384628- 12/08/2021	DN09P9866- 12/08/2021		empty drums-33.1 2.007 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1383918- 11/08/2021	GJ20V7154- 11/08/2021		SOVVENTS 7.433 MTS (20.2)
1383894- 11/08/2021	GJ12BY5254- 11/08/2021		SOLVENTS 20.946 MTS (20.2)
1382491- 09/08/2021	GJ3AT2447- 09/08/2021		EMPTY DRUMS -33.1 1.020 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1382510- 09/08/2021	GJ01DZ9933- 09/08/2021		Empty barrels and drums-33.11 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1382495- 09/08/2021	GJ01DZ9933- 09/08/2021		Empty drums and barrels-33.11 1.955 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1380488- 06/08/2021	GJ15AT2684- 06/08/2021		EMPTY DRUMS AND IBC'S-33.1 2.300 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1380427- 06/08/2021	DN09P9879- 06/08/2021		EMPTY DRUMS-33.1 3.895 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1380318- 06/08/2021	GJ09AU9027- 06/08/2021		Process waste-28.1 9.080 MTS (28.1)
1379069- 04/08/2021	RJ02GA6130- 04/08/2021		Distillation residue-36.1 15.220 MTS (36.1)

1378780-04/08/2021	GJ09Z9392-04/08/2021		PROCESS RESIDUE-28.1 10.260 MTS (28.1)
1378494-03/08/2021	DN09R9046-03/08/2021		EMPTY DRUMS AND IBC'S-33.1 2.015 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1378417-03/08/2021	GJ01DZ7367-03/08/2021		EMPTY DRUMS-33.1 3.770 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=739938,Kilo Litre=9864

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 7952 / 369 / 1543 / 0

9. Electricity consumed in PRODUCTION : 1263396 **ETP/CETP :** 43430 **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): Co-Incineration Waste to other Industry=173.795,Trucks despatched=33

Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	476.700-M.T	
FUE	FUR	fo	58.511-M.T	
FUE	LDO	ldo	1.925-KLT	
GAS		HCL	0.040-KGS	
GAS		NH3	20.270-KGS	
GAS		NOX	686.040-KGS	
GAS		PM	1140.210-KGS	
GAS		SO2	891.290-KGS	
PRD	81423	cold filter plug point (cfpp) products (anti freezing oil additives)	91.000-M.T	
PRD	81424	process chemicals (delumpers, lubricity improvers, corrosion inhibitors etc.)	3062.000-M.T	
PRD	81426	salt of ammonium chloride (by-product)	471.000-M.T	
PRD	257017	sodium bi-sulphide solution (by-product)	7.600-M.T	
PRD	81421	tetra iso-propyl titanate(tpt)	202.000-M.T	
PRD	81422	tpt based titanates	694.000-M.T	
PRD	256930	wax (im 3027), by-product	52.000-M.T	

Online Manifest Prepared

MF ID-Date	Truck No-Date	TSDF Name	H.W Remark / Qty
1417062-30/09/2021	GJ12AT7671-30/09/2021		Mixed solvent-20.1 19.975 MTS (20.1)
1416727-30/09/2021	DN09P9870-30/09/2021		Empty drums and barrels-33.11 2.115 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1415018-27/09/2021	MH04EL6307-27/09/2021		Empty barrels and drums-33.11 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1414876-27/09/2021	RJ02GA6130-27/09/2021		Distillation residue-36.1 14.810 MTS (36.1)
1415032-27/09/2021	MH04EL6307-27/09/2021		Empty drums and barrels-33.11 3.456 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1412656-24/09/2021	GJ21W3696-24/09/2021		Distillation Residue-36.1 16.195 MTS (36.1)
1412133-23/09/2021	DN09P9889-23/09/2021		Empty drums and Barrels-33.11 1.965 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1412074-23/09/2021	GJ27TT2185-23/09/2021		Process waste-28.1 8.640 MTS (28.1)
1411643-23/09/2021	MH04EL6305-23/09/2021		EMPTY DRUMS-33.1 3.625 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)

1411175-22/09/2021	MH04GR3963-22/09/2021		EMPTY DRUMS-33.1 1.930 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1410679-21/09/2021	GJ27TT9027-21/09/2021		process residue-28.1 10.205 MTS (28.1)
1409953-20/09/2021	DN09R9310-20/09/2021		empty drums-33.1 3.820 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1409845-20/09/2021	GJ12AW0585-20/09/2021		distillation residue-36.1 18.715 MTS (36.1)
1409081-19/09/2021	DN09R9046-19/09/2021		EMPTY DRUMS-33.1 1.960 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1407979-17/09/2021	GJ23Y5573-17/09/2021		Waste Name diiferent i.e. Spent catalyst-35.2 16.160 MTS (35.2)
1406926-15/09/2021	RJ27GA3345-15/09/2021		Waste Name diiferent i.e. Spent catalyst-35.2 16.925 MTS (35.2)
1406060-14/09/2021	GJ12Y5354-14/09/2021		process residue-28.1 20.350 MTS (28.1)
1405852-14/09/2021	GJ03AT2447-14/09/2021		EMPTY DRUMS-33.1 1.130 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1405442-13/09/2021	DN09P9889-13/09/2021		EMPTY BARREL-33.3 3.870 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1405426-13/09/2021	GJ18T9787-13/09/2021		Process Waste-28.1 9.630 MTS (28.1)
1403067-09/09/2021	GJ01DZ7054-09/09/2021		EMPTY DRUMS-33.1 2.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1403072-09/09/2021	GJ01DZ5208-09/09/2021		Empty barrels and drums-33.11 2.025 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1402321-08/09/2021	DN09R9160-08/09/2021		Empty drums and Barrels-33.11 3.705 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1402326-08/09/2021	GJ03AT2447-08/09/2021		Empty drums and IBCs-33.11 1.080 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1402287-08/09/2021	GJ19X1178-08/09/2021		Waste Name diiferent i.e. Spent catalyst-35.2 16.260 MTS (35.2)
1401360-07/09/2021	DN09P9879-07/09/2021		EMPTY DRUMS-33.1 1.710 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1400503-06/09/2021	MH04EL6305-06/09/2021		Empty Drums & Barrels-33.11 3.605 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1399514-04/09/2021	GJ01DZ7378-04/09/2021		Empty drums and barrels-33.11 3.790 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1399296-04/09/2021	GJ10Z6792-04/09/2021		Mixed solvent-20.1 15.461 MTS (20.1)

1398963-03/09/2021	GJ12BW7282-03/09/2021		Mixed solvent-20.1 18.972 MTS (20.1)
1398796-03/09/2021	GJ10X9327-03/09/2021		Mixed solvent-20.1 16.127 MTS (20.1)
1398278-02/09/2021	RJ02GA6130-02/09/2021		Waste Name diiferent i.e. Spent catalyst-35.2 17.975 MTS (35.2)
1398135-02/09/2021	GJ01FT1352-02/09/2021		EMPTY DRUMS-33.1 1.850 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
1397867-02/09/2021	GJ27TT2185-02/09/2021		Process residue-28.1 7.930 MTS (28.1)

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=18785,Kilo Litre=2802

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 344 / 769 / 1689 / 0

9. Electricity consumed in PRODUCTION : 2616620 **ETP/CETP :** 980 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	65.800-KLT	
GAS		Nox	13.500----	
GAS		Sox	22.800----	
PRD	48084	hygiene textiles	277.930-M.T	
PRD	48082	medical gowns	463.220-M.T	
PRD	48083	medical textiles	185.290-M.T	

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=21273,Kilo Litre=2488

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 569 / 356 / 1563 / 0

9. Electricity consumed in PRODUCTION : 2805100 **ETP/CETP :** 1052 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	119.400-KLT	
GAS		Nox	12.700----	
GAS		Sox	20.400----	
PRD	48084	hygiene textiles	285.870-M.T	
PRD	48082	medical gowns	476.450-M.T	
PRD	48083	medical textiles	190.580-M.T	

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=24402,Kilo Litre=3129

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 480 / 507 / 2142 / 0

9. Electricity consumed in PRODUCTION : 2824470 **ETP/CETP :** 946 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	113.800-KLT	
GAS		Nox	14.800----	
GAS		Sox	38.600----	
PRD	48084	hygiene textiles	276.850-M.T	
PRD	48082	medical gowns	461.410-M.T	
PRD	48083	medical textiles	184.560-M.T	

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=27107,Kilo Litre=2705

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 440 / 448 / 1817 / 0

9. Electricity consumed in PRODUCTION : 2829580 **ETP/CETP :** 1010 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	115.000-KLT	
GAS		Nox	21.500----	
GAS		Sox	37.500----	
PRD	48084	hygiene textiles	261.170-M.T	
PRD	48082	medical gowns	435.280-M.T	
PRD	48083	medical textiles	174.110-M.T	

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=5101,Kilo Litre=2727

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 590 / 225 / 1912 / 0

9. Electricity consumed in PRODUCTION : 2744560 **ETP/CETP :** 1011 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	50.000-LTS	
FUE	F.O	Furnace Oil	111.700-KLT	
GAS		Nox	24.300----	
GAS		Sox	35.100----	
PRD	48084	hygiene textiles	288.950-M.T	
PRD	48082	medical gowns	481.580-M.T	
PRD	48083	medical textiles	192.630-M.T	

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

PCB ID : 32575

2. Phone No. : 02838619141

3. Date of commencement of Manufacturing process : 15/04/2010

4. CTEs No. & Date : CEE-114085,01/07/2028

5. CCA No. & Date of Expiry : AWH-98488, 27/01/2029

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

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=7261,Kilo Litre=2160

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 400 / 341 / 1419 / 0

9. Electricity consumed in PRODUCTION : 2279550 **ETP/CETP :** 979 **APCM :** 0

9A. Stack attached to : Boiler,D.G. Sets

10. Fuel consumed during the month : Diesel,Furnace Oil

11. Products : Hygiene Textiles,Medical Gowns,Medical Textiles

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

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

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

Type	Code	Name	Qty-Unit	Remark
FUE	DIE	Diesel	100.000-LTS	
FUE	F.O	Furnace Oil	66.100-KLT	
GAS		Nox	25.800----	
GAS		Sox	36.900----	
PRD	48084	hygiene textiles	235.410-M.T	
PRD	48082	medical gowns	392.350-M.T	
PRD	48083	medical textiles	156.940-M.T	

Annexure – 9



GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management and Trans boundary) Rules, 2016 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application inward No. 189610 dated 03/02/2021 for the **Renewal of Consolidated Consent and Authorization (CC&A)** of this Board under provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:

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

To,

M/s. MPSEZ Utilities Ltd. (MUL) (10605)

Survey No. 141,

Vill: Mundra, APSEZ,

Tal: Mundra, Dist: Kutch- 370 421

1. Consent Order No. AWH- 113221 Date of issue: 10/06/2021.
2. The consents shall be valid upto 07/04/2026 for the reception, treatment & disposal of trade effluent & use of outlet for discharge of trade effluent and emission due to operation of CETP as below:

No	Product	Waste water Quantity
1	Operation of Common Effluent Treatment Plant to provide treatment of the industrial effluent and sewage generated from the various units as well as infrastructure with SEZ area.	2.50 MLD
2	Domestic sewage from Mundra, Village through pipeline (3.9 km in APSEZ area) (Maximum 1.5 MLD)	

Subject to specific condition:

1. Applicant shall comply with all conditions stipulated in order of Environment Clearance issued vide letter no. SEIAA/GUJ/EC/8(b)/43/2010 dated 20/02/2010.
2. No ground Water shall be withdrawal without obtaining prior permission from competent authority.
3. Applicant shall not accept effluent from Industries having high pollution potential like dyes & dye intermediates, bulk drugs & intermediates, pesticides etc and also effluent from different kind of industries shall be only allowed in such proportion that effluent received at the CETP always meets with the inlet norms.
4. The command area for effluent utilization should be feasible in order to facilitate easy monitoring and effective control.

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation Page 1 of 8

5. Applicant should construct impervious lined storage tank of minimum 15 days capacity for storage of treated effluent during low/no demand/ rainy days based on utilization for gardening / plantation management plan.
6. The treated effluent should be analyzed regularly. The effluent samples should be taken at the point from where the effluent is discharged for irrigation.
7. The physico-chemical characteristics of soil / land treated with effluent should be monitored twice in a year to assess condition in summer and post monsoon seasons, in order to determine the deterioration of soil quality.
8. Applicant shall analyze groundwater quality twice in a year. Samples should be collected from the first water bearing strata from existing hand pumps or by installing the same for sampling purpose only. The sampling points should be uniformly spread in the command area and near effluent storage area.
9. Applicant shall submit report regarding compliance of effluent quality standards and status of soil and ground water quality shall be submitted to SPCBs twice in a year, in first week of January and July.
10. Applicant should carry out the analysis of effluent/ soil/ ground water quality parameters from the NABL/EPA/ SPCBs/ PCCs recognized/ accredited laboratories.
11. Applicant shall inform GPCB, about industries not achieving CETP inlet norms & applicant shall not accept industrial effluent of those industries.
12. Applicant shall provide a distribution network impervious conduit with flow meter to cover.
13. Fresh water requirement for CETP shall be 100 KL/day.
14. Applicant shall provide effluent conveyance pipeline of different in color to distinguish the effluent conveyance pipelines from other pipelines.
15. Magnetic flow meters shall be provided at the inlet and outlet of the CETP outlets and records for the same shall be maintained and submitted regularly.
16. Applicant shall inform Gujarat Pollution Control Boards regarding any new membership and also change in membership.
17. Applicant shall install online TOC meter at discharge point and shall communicate same at their own server which can be later or sooner on transmitted/linked with Board server.
18. Applicant shall inform the board immediately regarding rejection of the effluent quantity of the industry with the reason of rejection.
19. Applicant shall also insist their member units for adequate treatment facility to achieve inlet norms of the CETP.
20. Applicant shall not accept quantity of effluent than higher than booked quantity from the member unit.
21. Applicant shall accept effluent only from member unit have valid consent of the Board & in compliance with CETP inlet norms.
22. Applicant shall renew Public Liability Insurance Policy from time to time & submit a copy of the same to this office, if applicable
23. At any point of time, quantity of sewage received at CETP of MPSEZ Utilities Pvt. Ltd. (Mupl) shall not exceed consented quantity i.e. 1.5 MLD and shall not exceed consented quantity for CETP of 2.5 MLD.
24. Applicant shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).





GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

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25. Applicant shall maintain complete record of member industries along with quantity of domestic or industrial effluent received daily and its mode of conveyance and submit the same to the Board on quarterly basis.

3. CONDITIONS UNDER THE WATER ACT:

- 3.1 Source of water: ASPEZ/ GWIL.
- 3.2 The quantity of effluent (industrial & domestic) received by CETP at any point of time shall not exceed 2.5 MLD.
- 3.3 The quantity of sewage received from Mundra Township shall not exceed 1.5 MLD.
- 3.4 Industry shall provide fixed pipeline with flow meter for reception of sewage & industrial effluent and also maintain complete records of effluent conveyed by each individual and treated at CETP.
- 3.5 The quantity of effluent from member industries and Mundra Township shall conform to the CETP inlet norms as mentioned below:

PARAMETER	CETP inlet norms	CETP Outlet norms
pH	6.5 to 8.5	6 to 9
Temperature	40°C	Shall not exceed more than 5°C above ambient temperature
Colour (Pt. Co. scale units)	100 units	100 units
Total Suspended Solids	800 mg/L	100 mg/L
Oil & Grease	20 mg/L	10 mg/L
Phenolic Compound	2 mg/L	1 mg/L
Fluorides	2 mg/L	2 mg/L
Iron	3 mg/L	3 mg/L
Zinc	15 mg/L	15 mg/L
Trivalent chromium	3 mg/L	2 mg/L
Sulphides	2 mg/L	2 mg/L
Ammonical Nitrogen	50 mg/L	50 mg/L
BOD (3 Days at 27°C)	1000 mg/L	100 mg/L
COD	2000 mg/L	250 mg/L
Chlorides	1000 mg/L	1000 mg/L
Sulphates	1000 mg/L	1000 mg/L
Total Dissolved Solid	2100 mg/L	2100 mg/L
Total residual chlorine	2 mg/L	1 mg/L
Copper	3 mg/L	3 mg/L
Total chromium	2 mg/L	2 mg/L

- 3.6 The treated effluent from outlet of CETP, conforming to above standards, shall be utilized for gardening & plantation within SEZ area of MPSEZ & no any treated waste water shall be discharged outside premises.
- 3.7 Well-designed effluent distribution network with sprinklers/ drip pipe system shall be provided for proper utilization of treated effluent for gardening & plantation.
- 3.8 The CETP shall use only one outlet for the discharge of its effluent with the GPCB norms prescribed as above in table.

Clean Gujarat Green Gujarat

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- 3.9 The applicant shall install pH sensor based solenoid valve with alarm device at the inlet of equalization tanks.
- 3.10 Emergency tanks shall be provided at the CETP for diverting effluent, not meeting with the CETP inlet norms, In case of unforeseen circumstances.
- 3.11 Domestic sewage generated at CETP by member industry shall be treated in CETP.
- 3.12 The unit shall provide metering facility at the inlet & outlet of CETP as well as RO plants & maintain the record.
- 3.13 Industry shall provide fix pipeline with the flow meter for reception of sewage & industrial effluent and also maintain complete record of effluent conveyed by each individual and treated at CETP.
- 3.14 Applicant shall maintain complete records of operation of CETP & keep available at site.

4. Conditions under the Air Act-1981:

- 4.1. The following shall be used as a fuel in D.G. Set

Sr. No.	Name of Fuel	Quantity
1	LDO	30 MT/Month

- 4.2. The applicant shall install & operate air pollution control system efficiently in order to achieve prescribed norms.

- 4.3. The flue gas emission through stack attached to D.G. Set shall conform to the following standards

Sr. no	Stack attached to	Stack height in Meter	APCM	Parameter	Permissible limit
1	D.G. Set (1200 KVA) (Stand by)	11	Adequate Stack Height	PM SO ₂ NOx	150 mg/NM ³ 100 ppm 50 ppm

- 4.4. There shall be no process gas emission from manufacturing process and other ancillary operations.

- 4.5. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/M ³
1.	Sulphur Dioxide (SO ₂)	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) or PM ₁₀	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	Annual 24 Hours	40 60

- 4.6. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission



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shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

- 4.7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5. AUTHORIZATION as per HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY) RULES, 2016 Form-2 [See rule 6 (2)]

Form for grant of authorization for occupier or operator handling Hazardous waste

5.1 Authorization order no:-**AWH-113221** Date of issue: 10/06/2021.

5.2 **M/s MPSEZ Utilities Ltd**, is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at survey No. 141, Vill: Mundra, Tal: Mundra, Dist: Kutch.

Sr. No.	Waste	Quantity per Annum	Schedule & Category	Facility
1.	Used Oil	0.6 MT	I- 5.1	Collection, storage, transportation and disposal by selling out to registered recyclers.
2.	ETP Sludge	360 MT	I-34.3	Collection, storage, transportation and disposal to TSDF site and/or co-processing at cement industries.
3.	Contaminated Discarded containers/ barrels/ Bags	10 MT	I-33.1	Collection, storage, transportation and disposal by reuse within premises or selling out to authorized decontaminator.

5.3 The authorization shall be valid up to **07/04/2026**.

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no 5.2 to the industry having valid CCA of this Board.

5.6 TERMS AND CONDITIONS OF AUTHORISATION

1. The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

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3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty"
7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous and Other Waste Rules, 2016.
9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
11. The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
15. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30th day of June of every year for the preceding period April to March.
16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
18. Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.





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19. In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14th October, 2003.
22. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.

6. SPECIFIC CONDITIONS:-

- 6.1 The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
- 6.2 Handling over of the hazardous and other wastes to the authorized actual user shall be only after making the entry in the passbook of the actual user.
- 6.3 In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
- 6.4 The occupier of the facility shall comply Standard operating procedure /guidelines published by MOEF&CC or CPCB or GPCB from time to time.
- 6.5 Unit shall comply provisions of E-Waste Management Rules-2016.
- 6.6 The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.
- 6.7 The occupiers of facilities shall not store the hazardous and other wastes for a period not exceeding **ninety days**. Prior permission of the Board shall be obtained for extension of the storage period.
- 6.8 The occupier shall maintain the records of generation, sale, storage, transport, recycling, co processing and disposal of hazardous waste and make available during the inspection.
- 6.9 The transportation of the hazardous waste shall be carried out in GPS mounted dedicated vehicles.

7. GENERAL CONDITIONS: -

- 7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

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- 7.2 Applicant shall also comply with the general conditions given in annexure I.
- 7.3 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body.
- 7.4 In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.
- 7.5 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.
- 7.6 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
- 7.7 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.
- 7.8 In case of change of ownership/management the name and address of the new owners/ partners/directors/proprietor should immediately be intimated to the Board.
- 7.9 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w.p. no. 657 of 1995 dated 14th October 2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD



(Smt. U.K. Upadhyay)
Environment Engineer
Date:

NO: PC/CCA-KUTCH-644(6)/GPCB ID-10605/
Issued to:
M/s. MPSEZ Utilities Ltd. (MUL),
Survey No. 141, Vill: Mundra,
Tal: Mundra, Dist: Kutch- 370 421

Outward No: 594050/2001

Annexure – 10

FORM NO. 33

(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations.

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

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

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

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

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

The serial number of previous certificate is

Zale

Signature or left hand thumb impression of the person examined :

Signature of the Factory Medical Officer :

Stamp of factory
Medical Officer with

Name of the Factory :

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

Notes :

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


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

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

2. Name of Worker : Hiteshbhai Zala

3. Sex : Male

4. Date of birth : 20/05/1999

Department Works	Name of Hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or By-products likely to be exposed to	Date of posting	Date of leaving/transfer to or transfer	Reasons for Discharge/ leaving or transfer	Medical examination Results therefore				If declared unfit for work				Signature with date of the factory Medical Officer/ the Certifying Surgeon.
								Date	Signs and symptoms Observed during examination	Nature of tests & results thereof	Result Fit/Unfit	Period of temporary Withdrawal from that work	Reasons for such withdrawal	Date of declaring him Unfit for that work	Date of issuing fitness Certificate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Environment	chemical testing	Exposure with acid with chemical	Lab chemist	chemicals	-	-	-	16/12/21	NAD	BP: 113/52 P: 60/min SpO2 99 Physical examination: NAD	fit	-	-	-	-	 16/12/21

Note :

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

FORM NO. 33

(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations.

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers : 9100008451
2. Name of the person examined : Mr Sodhern Nanji
3. Father's Name : Mr Tejabhai Sodhern
4. Sex : Male
5. Residence : Nema Kapeye. Mundra. Kutchh
6. Date of birth, if available : 16/11/89
7. Name & address of the factory : Environment
8. The worker is employed/proposed : chemical handling
(a) Hazardous process : plant operating
(b) Dangerous operation :

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

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

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

The serial number of previous certificate is

Signature or left hand thumb impression of the person examined :

S. Nanji Sodhern

Signature of the Factory Medical Officer :

16/11/21


Stamp of factory
Medical Officer with

Name of the Factory : ADANI. MUNDRA-2

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

Notes :

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

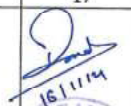
FORM NO. 32
(Prescribed under Rule 68-T and 102)
Health Register

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

2. Name of Worker : Ms. Sadham Nemi

3. Sex : Male

4. Date of birth : 01-06-1989

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

Note :

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



Annexure – 11

Details of Greenbelt Development at APSEZ, Mundra

Total Green Zone Detail Till Up to Sep – 2021					
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	71.66	34920	7962	69696.00	100646.00
PORT & NON SEZ	81.61	149359	19220	75061.78	62966.38
SEZ	116.60	227120	20489	220583.60	28162.03
MITAP	2.52	8168	33	3340.00	4036.00
WEST PORT	109.37	256552	70831	24612.00	22854.15
AGRI PARK	8.94	17244	1332	5400.00	2121.44
SOUTH PORT	14.45	27530	3470	3882.00	3327.26
Samudra Township	57.27	63722	11834	23908.89	47520.07
Productive Farming (Vadala Farm)	23.79	27976	--	--	--
TOTAL (APSEZL)	486.19	8,12,591	1,35,171	426484.27	271633.33
		Total Saplings: 9,47,762 Nos.			

Annexure – 12

CETP Maintenance Work

April-21 to Sept.-21

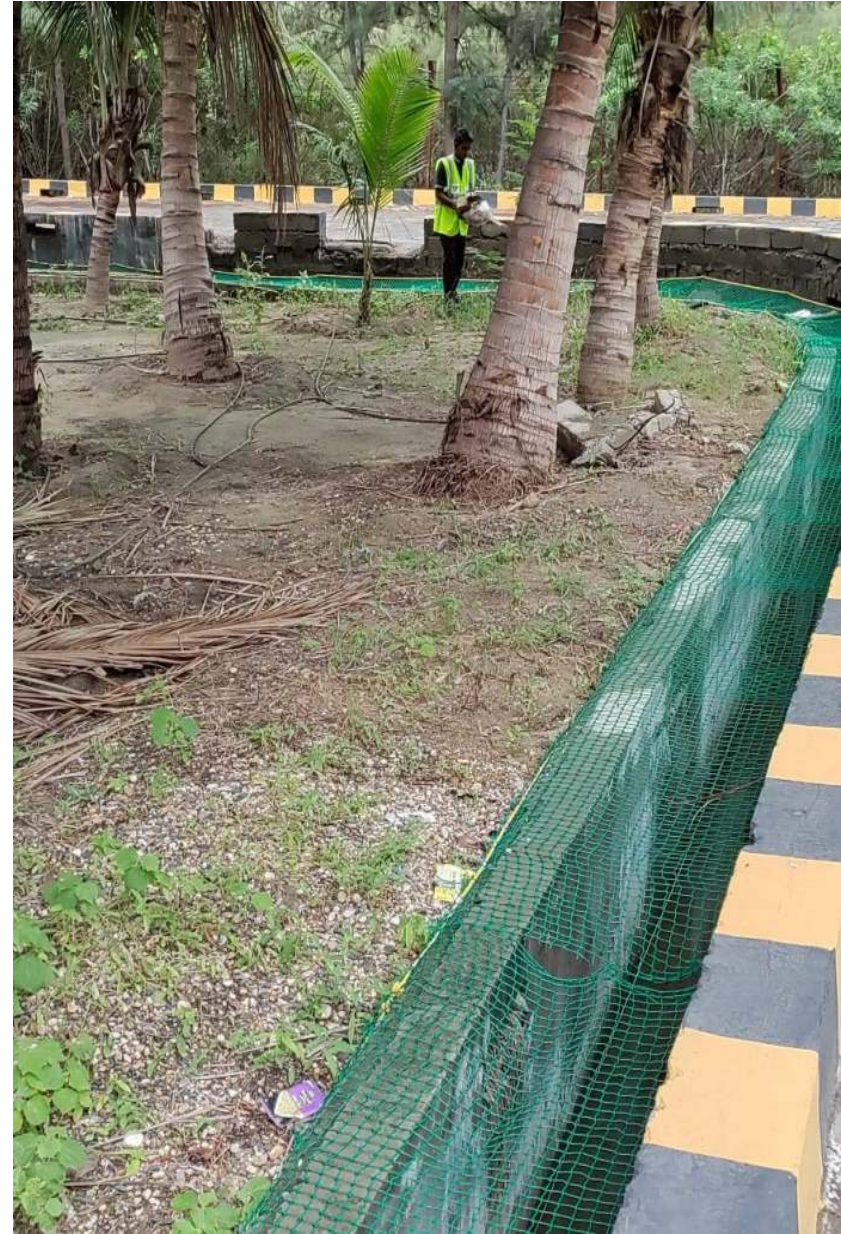
All plant area LED light installation at different locations for illumination



Guard Pond -2 cleaning work done



All storm water drains cleaned and covered with Graphil Net



03 no's Valves replaced at M GF and ACF outlet



Motor Guard provided to all Motors



New dosing pumps installation for Alum and Poly



Re-circulation and sludge transfer line repairing and modification work



MITAP to CETP pump house refurbishment work



Air valves installation in Mundra sewage line





Other Maint. Work

Pump repairing

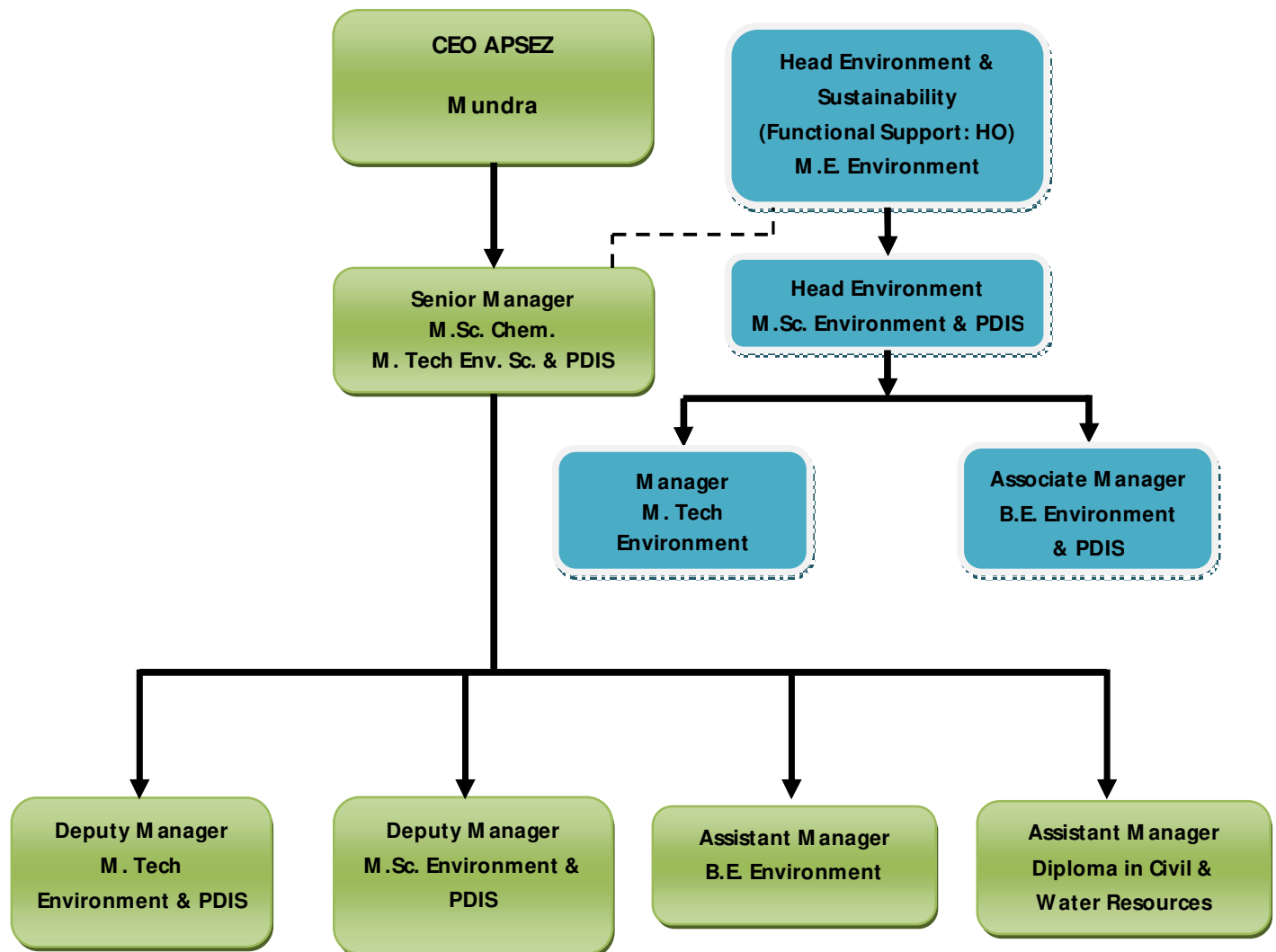
Blower repairing

Screen bar gearbox repairing

HDPE pipeline repairing

Annexure – 13

Organogram of Environment Management Cell, APSEZ, Mundra



Annexure – 14

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2019 – 20	2020 – 21	2021 – 22 (Till Sep'21)	2021 – 22
1.	Environmental Study / Audit and Consultancy	0.33	6.2	6.82	7.0
2.	Legal & Statutory Expenses	0.84	10.58	10.04	12.0
3.	Environmental Monitoring Services	21.74	19.17	9.56	20.0
4.	Hazardous / Non-Hazardous Waste Management & Disposal	108.43	83.55	57.64	114.10
5.	Environment Days Celebration and Advertisement / Business development	1.5	5.3	1.81	7.0
6.	Treatment and Disposal of Bio-Medical Waste	1.62	2.09	0.89	2.04
7.	Mangrove Plantation, Monitoring & Conservation	Nil	32.59	Nil	Nil
8.	Other Horticulture Expenses	734.18	689	605.58	865.11
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	110.18	148.49	95.53	219.24
10.	Expenditure of Environment Dept. (Apart from above head)	105.13	89.11	88.28	85.35
Total		1083.95	1086.08	876.15	1331.84

Annexure – 15



CSR KUTCH

Six Monthly
Report 2021-22

PREFACE

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

In Year 2021-22 Uthhan Project spread the wings from 17 Primary schools to 31 Primary schools with MOU with Education Department. Natural Farming Promotion concept is started as a mission with training to 500+ Farmers and pure chemical free farming with 50+ Farmers. Mangroves coastal biodiversity, water harvesting structures and Tissue is ongoing sustainable Project with proper documentation and demarcation. Adani Vidya Mandir has proven best in education by reaching to unreached through digital technology, happy to see the fisherman students studying sincerely sitting in fisherfolk settlements by operating tablets. "

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

Adani skill Development center started General Duty Assistant Course training under DDUGKY. The ASDC is committed to the cause of the deprived and underprivileged to generate employment through enhancing skills. It has been working relentlessly which resulted in rapport building with District Administration Kachchh also.

Success is due to presence of torch bearer and mentor in life who is Respected Dr. Priti Adani. We heartily thanks our Rakshit bhai, Respected Gadhvi sir and Respected COO sir for guidance and motivation.

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



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

Reducing Carbon footprint

1. Miyawaki – Nana Kapaya

Nana Kapaya village and proposed site for Miyawaki- Dense Plantation is very close to many industries in and around the Mundra landscape. This area is also very close to main roads and coastal creeks. Mainly dense to sparse *Prosopis juliflora*- Ganda Bavar cover is recorded surrounding to project site with very few scattered native trees like- Limda, Deshi Bavar etc. Shrubs species like- Akado and Aavar are also predominant close to site; while, grasses like Chhabar and Dhrab are recorded in proposed plot area.

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

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

1. Mixed Plantation dominant Drought Resistant Plants
2. Mixed Plantation dominant by Larger Leaves
3. Mixed Plantation dominant by Saline Resistant Plants
4. Mixed Plantation dominant by Medicinal Values.

Plantation of 4965 saplings of different 42 species is completed which will result in dense forest within 2 years



Reducing Carbon footprint

Species Name/ Botanical Name	Local Name in Gujarati	Saplings Required	TOTAL ACTUAL	TOTAL ACTUAL	Mixed Plantation dominant Drought Resistant Plants PLOT 1	Mixed Plantation dominant by Larger Leaves PLOT 2	Mixed Plantation dominant by Saline Resistant Plants PLOT 3	Mixed Plantation dominant by Medicinal Values PLOT 4	Mixed Plantation dominant Drought Resistant Plants PLOT 1	Mixed Plantation dominant by Larger Leaves PLOT 2	Mixed Plantation dominant by Saline Resistant Plants PLOT 3	Mixed Plantation dominant by Medicinal Values PLOT 4
Acacia nilotica (L.) Del. subsp. indica (Bth.) Brenan	દેશી બાવળ	300	500	500	200	75	150	75	6	15	9	15
Cordia gharaf (Forsk.) E.&A.	નાના ગુંદા, લિયાર	500	400	400	80	100	140	80	16	11	10	14
Pithecellobium dulce (Roxb.) Bth.	ગોરસ આમલી	400	400	400	80	100	150	70	16	11	9	16
Moringa oleifera Lam.	મીઠો સરગવો	300	300	300	75	75	90	60	17	15	15	19
Salvadora persica L.	ખાળી જાળ- પીલુડી ખાળી	100	250	250	40	60	100	50	32	19	14	23
Derris indica (Lam.) Bennet	કરંજ	200	200	200	25	75	25	75	52	15	55	15
Azadirachta indica A. Juss.	લીમડો	200	200	200	40	40	70	50	32	28	20	23
Moringa concanensis Nimmo	ખારો- જંગલી સરગવો	200	200	200	50	50	60	40	26	23	23	29
Morus alba L.	શેતુર	200	200	200	50	50	50	50	26	23	28	23
Tinospora cordifolia Roxb.	ગળો, ગિલોય	200	200	200	50	50	50	50	26	23	28	23
Tecomella undulata(Sw.) Seem.	રગત રોહિડો	300	200	200	50	60	60	30	26	19	23	38
Commiphora wightii (Arn.) Bhandari	ગુગળ	200	200	200	75	25	25	75	17	46	55	15
Dalbergia sissoo Roxb.	સીસમ	200	200	200	100	25	25	50	13	46	55	23
Zizyphus mauritiana Lam.	બોરડી, મોટા બોર	200	180	180	50	30	70	30	26	38	20	38
Vitex negundo L.	નગોડ	200	150	150	35	55	30	30	37	21	46	38

Reducing Carbon footprint

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Adhatoda zeylanica Medic.	અરડૂસી	100	100	100	15	20	25	40	86	57	55	29
Parkinsonia aculeata	રામ બાવળ	100	100	100	20	10	50	20	65	114	28	58
Albizia lebbek (L.) Bth.	કાળો શિરીષ	100	100	100	25	20	35	20	52	57	40	58
Terminalia arjuna (Roxb.) W. & A.	અર્જુન સાદડ	100	80	80	20	20	20	20	65	57	69	58
Grewia tiliaefolia Vahl var. tiliaefolia	ફાલસા	100	60	60	15	20	10	15	86	57	139	77
Abrus precatorius L.	ચણોલી	50	50	50	15	10	15	10	86	114	92	115
Aegle marmelos (L.) Corr.	બીલીપત્ર	50	50	50	15	10	10	15	86	114	139	77
Ailanthus excelsa Roxb.	અરડૂસો	50	50	50	15	10	10	15	86	114	139	77
Asparagus racemosus Willd. var. javanicus	શતાવરી	50	50	50	15	10	10	15	86	114	139	77
Cassia fistula L.	ગરમાળો	50	50	50	15	10	10	15	86	114	139	77
Cordia dichotoma Forst.	મોટા ગુંદા	50	50	50	15	10	10	15	86	114	139	77
Holoptelia integrifolia	કણજી	50	50	50	10	15	10	15	129	76	139	77
Murraya koenigii (L.) Spr.	મીઠો લીમડો	50	50	50	10	15	10	15	129	76	139	77
Psidium guajava L.	જામફળ	50	50	50	15	10	10	15	86	114	139	77
Punica granatum L.	દાડમ	50	50	50	15	10	10	15	86	114	139	77
Syzygium cumini	જાંબુ	50	50	50	15	10	10	15	86	114	139	77

Reducing Carbon Footprint

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Tamarindus indica L.	આમલી ખાટી	50	50	50	15	10	10	15	3	6	4	Tamarindus indica L.
Butea monosperma (Lam.) Taub.	કેસુડો	30	30	30	5	10	5	10	8	6	7	Butea monosperma (Lam.) Taub.
Manilkara zapota (L.) van Royen	ચિકકુ	30	30	30	5	10	5	10	8	6	7	Manilkara zapota (L.) van Royen
Mimusops elengi L.	બોરસલી	30	30	30	5	10	5	10	8	6	7	Mimusops elengi L.
Plumeria rubra L.	ચંપો સફેદ કે ગુલાબી	30	30	30	5	10	5	10	8	6	7	Plumeria rubra L.
Ficus benghalensis L.	વડ	10	10	10	2	4	2	2	20	15	18	Ficus benghalensis L.
Ficus religiosa L.	પીપળો	10	10	10	2	4	2	2	20	15	18	Ficus religiosa L.
Gmelina arborea L.	શેવળ	30	5	5	1	1	1	2	40	59	35	Gmelina arborea L.
Arygyreia nervosa (Burm.f.) Boj.	સમુદ્ર શોષ	50	0	0	0	0	0	0	0	0	0	Arygyreia nervosa (Burm.f.) Boj.
Bauhinia racemosa Lam.	આસીત્રો	50	0	0	0	0	0	0	0	0	0	Bauhinia racemosa Lam.
Ficus racemosa L.	ઉમરો	10	0	0	0	0	0	0	0	0	0	Ficus racemosa L.
Grewia tenax (Forsk.) Fiori	ગાંગણી	300	0	0	0	0	0	0	0	0	0	Grewia tenax (Forsk.) Fiori
Grewia villosa Willd.	લુસ્કા	200	0	0	0	0	0	0	0	0	0	Grewia villosa Willd.
Prosopis cineraria (L.) Druce	ખીજડો	200	0	0	0	0	0	0	0	0	0	Prosopis cineraria (L.) Druce
Salvadora oleoides Decne.	મીઠી જાળ- પીલુડી મીઠી	100	0	0	0	0	0	0	0	0	0	Salvadora oleoides Decne.

TOTAL SAPLINGS PLANTED 4965

Reducing Carbon footprint

Smritivan Memorial park– Bhuj

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

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

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

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



Reducing Carbon footprint

Smritivan Memorial park– Bhuj

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

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

Under this project, **~60+ local species of trees** will be planted and further the entire scope of development of Nursery, Soil enrichment, Plantation of saplings, mulching, biomass application, water supply & maintenance for 3 years are considered under their proposal. All Corporate of Kutch has supported fund for the same. APSEZ has done monitory support under CSR and Adani Foundation is coordinating for monitoring



Reducing Carbon footprint

Grassland Ecosystem Restoration project - Guneri

As a part of Biodiversity initiatives, APSEZ has proposed to take the pioneering steps towards building sustainable growth in the Lakhpat region, Kutch by taking the initiation of restoring the natural grassland habitats (Ecological Restoration) along the Guneri village, i.e. ~40 Ha grassland ecosystem in gauchar land, by involving Gujarat Ecology Society (GES) – A Nonprofit Organization, based in Vadodara, Gujarat.

The Restoration & Conservation Plan, will be executed in a phase wise manner over 40Ha of the area, over a period of 4 years

Guneri village is situated north of Lakhpat fort with a population of 967 as per the 2011 census. A Biodiversity Management Committee (BMC) already exists there and hence it becomes easy to undertake grassland restoration with the help of

committee members. The gauchar land available for restoration is around 100 Ha and about 40 Ha of the area can be considered for restoration. The restoration process will be spread over a time period of three years, starting initially with 10 Ha and slowly moving up to 40 Ha by the third year.

The project aims to take the pioneering steps towards building sustainable growth in the Lakhpat region by taking the initiation of restoring the natural habitats along the Guneri village. In the long run, this area can be declared as a Indigenous and Community Conserved Area (ICCA) in lines with a new category of protection status followed by IUCN.

Despite changes in hydrological regimes, there are certain pockets where unique biodiversity endemic to the area has

established itself with relics of past vegetation, the inland mangroves are one such area. Inland mangroves of Guneri village are a living example of the presence of rich estuary in the region sustained by a larger riverine system. The area has been well documented and proposed as Biodiversity Heritage Site. The rare and threatened species present in the area include *Helichrysum cutchicum* (endemic species), *Cistanche tubulosa*, *Campylanthus ramoissimus*, and *Sida tiagii*. Apart from the listed species, Guneri's unique ecosystem sustains good faunal diversity from herpetofauna to birds to mammals.

It is combined efforts of Environment APSEZ and Adani Foundation under consultation of GEC

Reducing Carbon footprint

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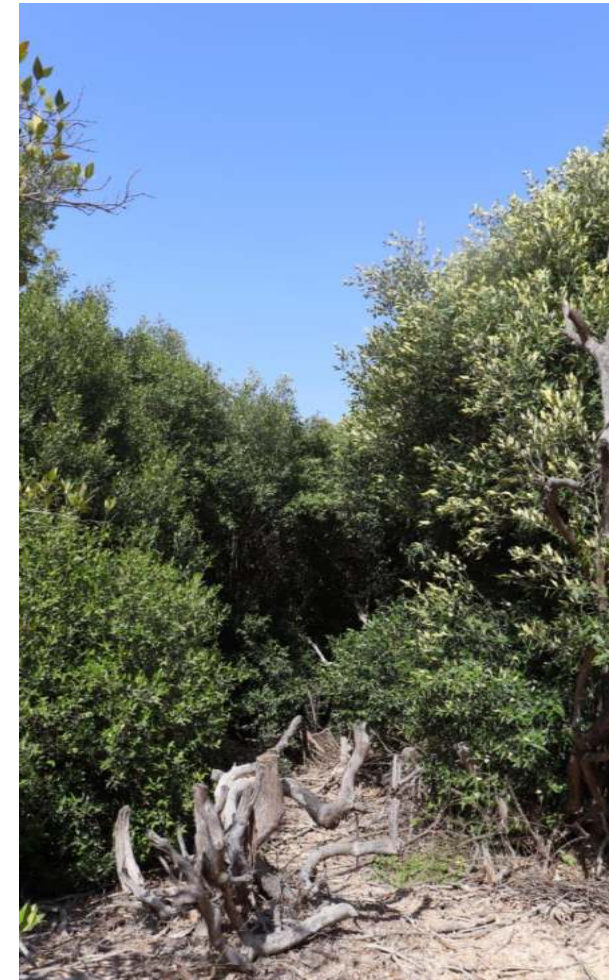
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Reducing Carbon footprint

Coastal Biodiversity

In the coastal environment mangroves and mudflats are dynamic ecosystems that usually support a large population of floral and faunal life forms. Mangrove forests are highly productive ecosystems, which provide numerous goods and services both to the marine environment and people. Mangroves in India are spread over nine maritime states and three Union Territories. Gujarat has the longest (1,650 km) coastline among the maritime states of the country. With the second largest mangrove cover in India after West Bengal, Gujarat's mangrove area has increased from 1,140 km² in 2017 to 1,177 km² now.

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

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

Current year 3 hector development is planned to extend biodiversity park





Reducing Carbon footprint

Homebiogas -

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

Under Gram Utthan Project, Adani Foundation is supporting home biogas to farmers to Uthhan Villages phase wise. Current year supported 117 home biogas in Dhrub, Zarpara and Navinal Villages.

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

Promotion of Natural Farming–Home biogas

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

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 120 farmers are utilizing it with satisfaction and considerable outcome by saving Average Rs. 23,400 for gas and fertilizer as well - Homebiogas is base of promotion of natural farming.



2,053 TONS OF ANIMAL MANURE TREATED

159,687 HOURS OF CLEAN COOKING;

4.3 TONS OF BIOGAS CREATED

125 TONS OF FIREWOOD REPLACED;

27,375 HOURS SAVED ON REDUCTION OF FIREWOOD
& COLLECTION

625 TONS CO2 EMISSION REDUCTION

Reducing Carbon footprint

See Weed Culture -

Vision

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

Collabration

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

Achievements

A pilot cultivation facility (5 KL tanks in 6 nos) for the farming of different economically important seaweeds in the tanks on the onshore has been established and commenced the cultivation trials with red seaweeds *Kappaphycus alvarezii*, *Gracilaria dura* and green seaweed *Ulva*. The initial trials have given very promising results and harvested 6-7 times the seeded material in a 40-45 days cultivation period. The successful completion of pilot cultivation trials of *Kappaphycus* has helped to move forward to set up raceway type tanks of 26 m Length × 6 m Width × 1.1 m Height in 2 nos for large scale cultivation of *Kappaphycus* in Balavadi campus at Juna Bandar, Mundra. The cultivation trials are in progress.



Water conservation Project

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

- A large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and Augmentation of 2 check dams **(1 Check dam current year)**
- 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 90 Nos. **(35 Nos current year)** which is having 10,000 litre storage which is sufficient for one year drinking water purpose for 5 people family.
- Recharge Bore well 125 Nos **(50 Nos current year)** which is best ever option to
- Drip Irrigation 980 Farmers **(56 Application current year)** benefitted in coordination with Gujrat Green Revolution Company
- Bund construction on way of Nagmati River could save more than 575 MCFT water quantity which recharged in ground due to which bore well depth decreased by 50-100 Ft in Zarpara, Bhujpur and Navinal Vadi Vistar.
- **Luni Pond Bund Repairing Work is completed**



Water conservation Project

- **Basis of Requirements of Drip Irrigation**

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

- **Process of Drip Support**

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

Inspection and verification will be by AF representative.

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

Farmer will be informed by telephonic to have form query.

Primary information about farmer land will be received by telephone.

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

Verification report submitted to account office.

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

Farmer economic study after our support. – Follow up

- **We have covered 295 farmers and 1422 acre drip irrigation area in last two years which is remarkable for water conservation in first phase – in this phase we have covered 66 farmers and 360 Acre land for the same.**
- **Total 968 Farmers and 5626 Acre Drip since 2011-12 to 2020-21 and process is going on for 56 farmers for year 2021-22.**



Education Projects

Utthan

- The Virtual and Offline classes (Shri sikshan) with parents permission with all precautionary measures as Government Guide Lines. Its very encouraging that inspired by Our Shri Sikshan Initiative - Gov Teachers also started same approach.
 - **Online Outreach-259 Students**
 - **Individual Home visit-415 Students**
 - **Sheri sikshan and school students- 838 Students**
- Coaching of 49 students for National Means cum Merit Cum Scholarship Scheme (NMMS).
- Coaching of 34 Students for Javahar Navoday Entrance Exam by Utthan Sahayak since last Three Months.
- Total 93 Meetings were carried out with parents to create awareness for education progress. Apart from that aware about Precautionary measures and Covid -19 vaccination and Gyan-setu Program Telecast on Girnar Channel regularly approximately 1503 Mothers were engaged through various events and programmes.
- As Schools learning is not possible, our Library books corner Initiate is not in Function. Hence started to issue Library books to Students during Home Visit.
- Total 394 webinar and capacity building program were arrengeed for Utthan Sahayaks and Government Officers.
- **Uthhan First phase 17 Schools and 2951 students were part of the program, and second phase 14 Schools and 1952 Students were part of the programme. Total 4903 students are getting benefit from Utthan.**
- Second phase inauguration was held in last week of September in which District Primary Education Officer was remained present.



Education Projects

- Tree plantation at Utthan Primary School - Total 1000 saplings have been planted in the schools premises and laid responsibility for nurturing and care.
- Celebrated World Emoji Day. Its an unofficial holiday that is celebrated every year on July 17. Students prepared / draw 157 no of various and gifted to their friends and teachers.
- International Yoga Day celebration on 21st June Through Virtually and Physically. More than 520 Family members were participated
- Utthan Students had participated in **Lets us sing the National Anthem Contents** ,an Initiative of Government to Mark Azadi ka Amrit Mahotsav. Total 389 students and 76 parents have participated.
- Celebrated 75th Independence day with Commemorate 75 untold story , A Freedom Fighters who paid remarkable contribution for Indian Independence.



Activities	Location	
	Mundra	Nakhatrana
Silent reading	367	253
Virtual group reading – Classes: 7 and 8	42	30
Book review – Classes: 5 and 6	38	22
Puppetry show- Classes: 1-4	80	28
Total	527	333

Education Projects

- On the Rakhi festival Students made Eco friendly Rakhi and tied to the **104 Frontline corona warriors** who had paid remarkable service during Pandemic. (Doctor, Police, PHS and health Staff ,Sarpanch as well as Collector, Kutch and DDO ,Kutch).
- Arranged **Virtual Tour** regarding Plastic Waste Management with Municipal Corporation, Surat and aware about waste Collection , Segregation, treatment and Disposal Process. **Total 178 Students were participated for the same.**
- Teacher day celebration by preparing gratitude wall with card at all 17 schools.
- D- Talks are an Initiative of Global Dream, a Disruptive Movement for Universal Foundational Literacy and Numeracy. Mr. Jatin Upadhyay Talk On "Empowering the Marginalized Communities in Gujarat Through rejuvenating Education.
- World Book Day celebration on 23 April with various activities



Education Projects

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



EDUCATION: FREE AND COMPULSORY –
WHAT A WAY TO LEARN LOGIC!" The quote mentioned unfolds the distinguished vision of Adani Foundation to provide cost-free education, food, uniform, books to the children of economically challenged families of Mundra Bock. Adani Vidya Mandir, Bhadreshwar was established in June 2012, with aim of uplifting the communities through education. The school is equipped with excellent infrastructure and resources required for all-round development of the student. The child is given admission in class 1 and is molded to be an educated and a good human being by experienced and compassionate teachers. The school follows a curriculum designed by GSEB. Due to Covid Pandemic this year Class 1st Admission was done -

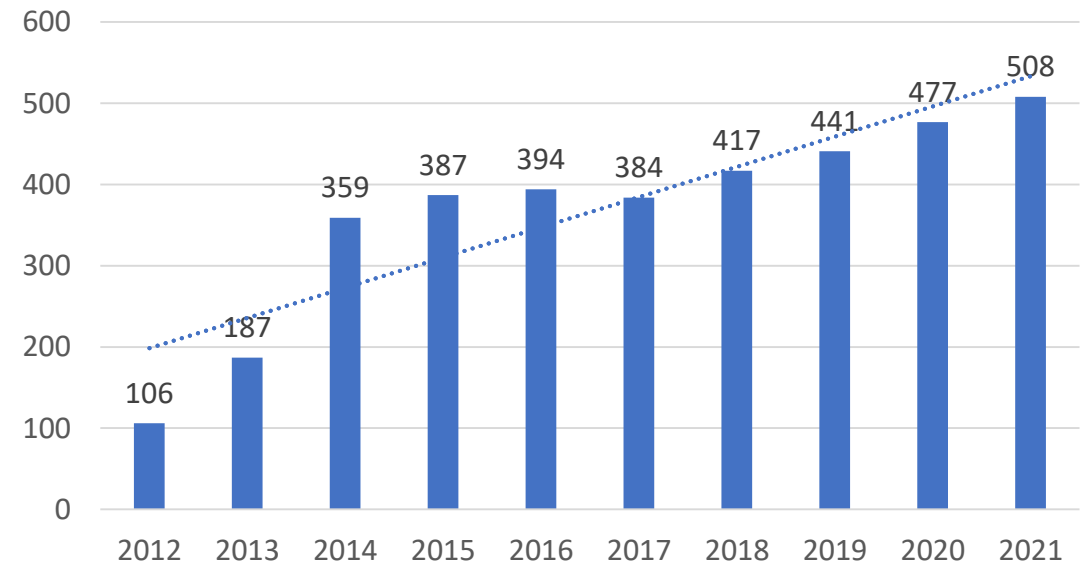
Education Projects



Adani Vidya Mandir Bhadreshwar Gujrat Board Standard 10th Examination Result is 100% as board examination was not held due to Covid. Adani Foundation will take all responsibility of further study of students with respect to their interest.

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

No's of Students



But We did not Give-up and reached out to our students to pursuit educational through virtual platform by various initiatives. Not only that, our teachers started visiting their home and initiated sheri shikshan concept.

Adani Vidya Mandir, Bhadreshwar

Objective

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

Project Activity

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

Outcome

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

Closer to SDG

1. No poverty
2. Zero hunger
3. Good Health & Well-being
4. Quality Education



Farmers Sustainable Livelihood Projects

Promotion of Natural Farming



- To promote Natural farming Adani Foundation has originated cow based farming initiative with interconnected techniques which can increase farmer yield – our main objective is to improve quality of soil.

Implementation

- Survey and identification of farmers to adopt Natural farming –Total 50 Farmers are selected as criteria in first phase of the Project.
- Water & Soil Testing- Most of Farm soil contain low organic carbon.
- Arranged Workshop & Hands on training for them which was conducted by Agri expert ,KVK and Progressive farmers with 500+ farmers
- 23 wormi compost unit have been set-up. Which is facilitated through Government with farmer Contribution.
- 50 Farmers have started to preparing JivaMrut & Gaukrupa Amrutam Bio-fertilizer and using in agri crop. Series of Training is arranged by ATMA and Adani Foundation
- Two Farmers Groups is registered with **ATMA –Agricultural technology management Agency – it will leverage Government schemes**





adani
Foundation

પ્રાકૃતિક ખેતી

ઉત્થાના

જીવામૃત : દુનિયાના શ્રેષ્ઠ ખાતર

જીવામૃત બનાવવા માટેની સામગ્રી

વસ્તુ	પ્રમાણ	ઉપયોગીતા
ઝાવનું તાજુ છાશ	૧૦ કિલો	નાઈટ્રોજન, પોટાશ, કેલ્શિયમ, મેગ્નેશિયમ, મૃદક, લોહ મેગ્નેશિયમ, જસત, તાંબુ, બોરોન, મોલીબ્ડેનમ
દેશી ઝાવનું ગોમુખ	૧૦ લીટર	નાઈટ્રોજન, સલ્ફર, કોપર આર્ચન, એમોનીયમ, યુરીક-એસીડ, ફોસ્ફેટ, સોડિયમ, પોટેશિયમ, મેગ્નેશિયમ, કાર્બન એસીડ, કેલ્શિયમ, નમક અન્ય મિનરલ્સ, પિટામીન-એ, બી, સી, ડી, ટેકો-એન્સાઈમ, પાણી, લુગીક એસીડ સાયટોકાયનીન, હાઈડ્રોક્સીસાઈડ
કોર્ટપલ કોળ નો લોટ	૧ કિલો	પોટીન અને ફાઈબર
દેશી ગોળ	૧ કિલો	સુશ્લેષ અને અસંખ્ય બેક્ટેરીયા
વડની નયે (તળાવની માટી)	૫૦૦ ગ્રામ	અસંખ્ય બેક્ટેરીયા

જીવામૃત બનાવવાની રીત	જીવામૃતનો ઉપયોગ
૨૦૦ લીટર પાણીમાં બધી જ વસ્તુઓ ભેરો	જીવા ૫૫૬૫થી આલીને ૧ થી ૩ વાર છંદક સડાય - પોરીયા તેમજ ફીપમાં આપી શકાય
દિવસમાં સવાર-સાંજ ઘડીવાલના કાંઠાની દિશામાં ૩-૩ મિનિટ છાવવું	છંદકાવ વખતે પંપમાં ૨ થી ૨.૫ લીટર જીવામૃત પ્રમાણ રાખવું
જીવામૃતને છાંવડામાં રાખવું	જીવામૃત ૧૫ દિવસે આપવું - કઠોળ, પાડ, પાનસપાડ, શળાડ, શાડમાજી કે કંદમુળ તેમજ કોર્ટપલ પાડમાં આપી શકાય
૪ - ૬ દિવસમાં જીવામૃત તેવાર.	

Farmers Sustainable Livelihood Projects

Pashudhan : " Fodder Support Programme, Individual Fodder Cultivation and Preventive Health Care

- Adani Foundation provides Good Quality dry and green fodder to 24 Villages. Project is covering total 14116 Cattles / 3008 farmers and hence enhancing cattle productivity. Dry Fodder 895398 Kg Green – 2425230Kg
- Fodder Cultivation- To made fodder sustain villages - 25 Acre Gauchar land of Siracha village is being cultivated for the same.
- To protect Cattles against Bovine Brucellosis zoonotic disease, Awareness and vaccination program is ongoing with Kutch fodder fruit & Forest development trust (KFFT) in our 11 Villages , **Total 1076 Female calves** below 3 years have been vaccinated in six months.

બ્રુસેલોસિસ કંટ્રોલ પ્રોગ્રામ
Brucellosis Control Program

શું તમારા પશુમાં બ્રુસેલોસિસ રોગનાં લક્ષણો તો નથી ને ? જો હોય, તો સાવધાન...!!!

બ્રુસેલોસિસ રોગના લક્ષણો...

માદા પશુને પ મહિના પછી ગર્ભપાત થયો
જડ/મેલી ના પડ્યો
પગના સાંધાઓમાં સોજો આવ્યો

આ ભયંકર ચેપી ગર્ભપાત રોગ મનુષ્યમાં પણ ફેલાઈ શકે છે.

જડ/મેલી તથા ચોની સ્ત્રાવના સંપર્કમાં આવવાથી
ઉકાળવા વગરનું દૂધ પીવાથી
મનુષ્યમાં ચઢ-ઉતરતો તાવ આવવો, સાંધા જકડાઈ જવા અને વૃષ્ટામાં સોજો આવવો વગેરે લક્ષણો જોવા મળે છે.

મનુષ્ય જાડિયાં આ રોગનું મિટાન કરવું અને તેની સારવાર કરવી ઘણી અઘરી તેમજ ખર્ચાળ છે અને આ રોગને અટકાવવા કોઈ રસી પણ નથી.

'પુખ્ત વયના પશુઓમાં આ રોગ એકવાર ફેલાઈ જવા પછી તેની સારવાર શક્ય નથી પણ રોગી પશુમાંથી અન્ય પશુઓમાં આ રોગ ફેલાતો અટકાવવો સંભવ છે.

એક માત્ર ઉપાય : રસીકરણ
પશુને બચાવવા માટે એક જ ઉપાય છે :
જ મહિના થી મોટી વાછરડીઓ અને પાડીઓને રસી મુકાવવી.
રસી મુકેલા બચ્ચાઓને અન્ય બચ્ચાઓથી અલગ રાખવા ફિતાવડ છે.
તેની ઓળખ માટે કાનમાં ટેગ/કડી લગાવવી ખુબજ જરૂરી છે.

શું તમે તમારી જ મહિના થી મોટી વાછરડીઓ અને પાડીઓને રસીકરણ કરાવ્યું છે? આવા રોગથી સંક્રમિત પશુઓનું મિટાન કરાવ્યું છે? જો ના કરાવ્યું હોય તો ; તમારા ગામના "પશુપાલક મિત્ર" નો સંપર્ક કરો...

સહયોગ
adani Foundation
કચ્છપભાઈ : M. 96011 57148
જયદીપભાઈ : M. 99098 99740
અંકીતભાઈ : M. 97379 55362
રાજુભાઈ : M. 97277 65919

અમલીકરણ
KUTCH FODDER FRUIT & FOREST DEVELOPMENT TRUST



Farmers Sustainable Livelihood Projects

Promotion of Horticulture : Date Palm and Dragon fruits

Kutch Kalpaturu Producer Company (KKPC) is established to address the challenges faced by the farmers, particularly to enhanced access for inputs, technology up gradation in Agri practices, output, Sorting, Grading, Value addition & marketing. by the farmers of Mundra Block in the year of 2020. The company is started with 196-shares of 89 Farmers , that is Rs.0.96 lacs Fund in the year of 2020. Right now it is on path of expansion up to 5000 Farmers.

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

Dragon fruit farming is on going by Five farmers each farmer is doing in 2 Acre farm – Total 11000 plants. Pleasure to share that Auspicious presence of Respected Douglas Smith sir, our CEO ,APSEZ the First batch of fruit was harvested.





Fisher folk Sustainable Livelihood Projects

- Get the technical and Non-technical Man-power Requirement details from CFS and APSEZ, Mundra And inform to fishermen Youth and Leader. Later Eligible fisher Youth had trained for interview facing and soft skilled practices and interviewed in respective Company. 11 Fisher Youth were interviewed among that 5 have been selected. Our target is to support 60+ Fisherman in alternative livelihood till March 2022.
- Fishermen Government Scheme awareness Program was Arranged at Adani Guest House Mundra on 11th Augusts. The schematic details was Felicitated by Fisheries Department Staff. As well as Facilitation of Pagadiya Welfare scheme & boat license sanction letter to 06 Fishermen. Till date 59 Form has been submitted to fisheries department ,Bhuj for pagadiya and boat License.
- ASDC Courses Induction Meeting with Fishermen Youth at Navinal and as well as listed out their name to start computer & Spoken English classes through Adani Skill Development Center, Mundra.
- During the **Taukate cyclone** fishermen family had been shifted to safe Places As well as support to disaster management team for advance preparation.
- Fishermen's boat get across the vessel approach often while fishing Often , which create issue due to miscommunication Between Fishermen and Vessel crew members to clear vessel approach. its delay vessel berthing



Women Empowerment Projects

"You can tell the condition of a nation by looking at the status of its women" – Women are central to the entire development process, be it in an individual family, village, state and to the whole nation.

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

Adani Foundation is considering all parameters as a part of Empowerment.

- Education – Uthhan Project promotes girl child education, Creating awareness through various Govt schemes i.e. Vahali Dikri Yojana, Sukanya Samridhhi Yojana etc. till date covered more than 1200 girl child to get benefit out of it.
- Health and Nutrition – Suposhan Project focus on adolescent and Reproductive age women nutrition part. Till date covered more than 12500 women and 8700 adolescent under this Project and brought them to considerable status.
- Skill Development and Income Generation – Adani Foundation is working with 15 Self help group and supporting to develop entrepreneur skills to become self reliant, sourcing more than 350 women to absorb in various job – this will give them identity, confidence and right to speak in any decision for home, village and working area.
- Drinking Water and Sanitation – Total 89 Roof Top Rain Water Harvesting is supported for reducing hassle of the women to fetch the water as well as making clean water available.



Women Sustainable Livelihood Projects

- Total 15 Active SHG Group are engage as Mentioned Income generation activity. We facilitate them capacity building training for quality ,Marketing Finance and team work to made them self sustain.
- Saheli Swa Sahay Juth have completed order of 1500 Sanitary pad from District Health Department.
- "Shradhha Saheli Sva sahay Juth" is won the tender to provide Catering service in Block level Government
- Tejasvini SHG has received order of three layer mask preparation worth Rupees Nine Lacks
- Sonal Saheli Women SHG had supplied 500 KG washing powder to Adani port & Will mar.
- Shradha Saheli & Jay Adhar Saheli have been registered in FSSAI (Food safety and standards Authority of India.

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

Women Sustainable Livelihood Projects



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

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

/ Registration Number: 20721013000245

1. Name and permanent address of Food Business Operator (FBO) JAY AADHAR SAHELI SVA SAHAY JUTH BAROI , Baroi , Mundra, BHUJ(KUTCHH), Gujarat-370421

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

3. Kind of Business General Manufacturing

4. Photo Identity Card N/A

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

Place / BHUJ(KUTCHH)
 Issued On / 12-03-2021 (New Registration)
 Valid Upto: 11-03-2022 (For details, refer Annexure)

Registering Authority

Annexures:
 1. [Product Annexure](#)
 2. [Validity Annexure](#)
 3. [Registration Id Card](#)

Note:
 1. Application for renewal of Registration Certificate can be filed as early as 180 days prior to expiry date of Registration Certificate. You can file application for renewal or modification of Registration Certificate by login into FSSAI's Food Safety Compliance System(<https://foscos.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
 2. This Registration Certificate is only to commence or carry on food businesses and not for any other purpose.
 3. This is computer generated Registration Certificate and doesn't require any signature or stamp by authority.
 4. This Registration Certificate is allowed to conduct food businesses activities having annual turnover upto Rs. 12 Lacs only.

Community Health Projects

Mobile Health Care Units and Rural Clinics



9 Rural Clinics

06 from Mundra 02 from Anjar & 01 from Mandvi block treated ;

3843 patients.

31 villages covered, with 94 types of general and life saving medicines through Mobile healthcare unit

3364 patients benefited during six months

Community Health Projects

Swasthaya Seva to needy Patients

06 patients are provided Dialysis treatment at 133 times with nominal charges at Adani Hospital

471 – Economically Challenged patients have been supported for operation ,OPD ,IPD ,Medicines and lab-test.

Promoting preventive health care

Initiated identifying patients of NCD-Non communicable disease by survey which will help to diagnosed chronic disease at early stage and treated as well. From 960 patients - **80 Patients are find symptomatic to Hype, tension, Diabetic.**

As a part of emergency situation - Rural clinic and Mobile van are equipped with Portable ECG machine & Life saving medicines to treat cardiac patients For Preventive health care General and multispecialty camps Pediatric camp, General Health camps in nine villages and Super specialist camp which benefitted more than 1100 patients of Mundra Taluka.

16 Senior Citizen have been linked with Government Niradhar pension scheme, 34 senior citizen linked up with Ayushman Yojana and 67 Senior Citizens were referred to GKGH Bhuj for chronic illness.



Community Health Projects

Corona Related Work at GKGH and AHMPL

- Started Covid care centre service at **Samudra town ship** to Provide medical services at 24 x7 hrs. Home Visit for Medical Prescription and advise for further treatment & co-ordination.
- AF team voluntary performed patients care and co-coordination duty at GKGH ,Bhuj for 23 days.
- AHMPL,Mundra was converted into Covid Hospital with 100 bed Facilities with oxygen to extend Covid medical treatment over community. All related coordination done by our team for more than 353 OPD and IPD.
- Provided Oxygen Concentrator machines for Home isolated patients resulted in goodwill.
- Provide Dead body van service to shift covid demise patients to Crematorium with all dignity.
- Precautionary voice message dissemination through Awaj de voice message service Over Community.
- Started Village Sanitizing activities and Ukalo, Vitamin C tablet distribution



Community Resource Center

Scheme	Detail	Total
Widow	Widow pension	78
Fishermen	Pagadiya License & Boat License	59
Kitchen Garden Kit	Kitchen Garden kit	20
Mukhya Mantri Yojna	Orphan Covid Child	14
Su-kanya Yojna	Fix deposit	11
Manav Garima	Tools & Kit support	1
Agriculture	Barrel & Chaft Cutter	12
Bal Ayog Yojna	health	19
Senior Citizen	Pension Yojna	06
Vahali Dikri Yojna	Fix deposit	2
Total		222



Though there are huge number of Government welfare scheme but people could not get it s benefit because of awareness and access facilities.

We have started community resource center at Field office Mundra to facilitated Government scheme as below

Till the date more than 2100 beneficiaries and during past six months 222 application have been submitted to Government Department i.e. widow pension scheme, Senior Citizen pension scheme, agriculture and fisherfolk related scheme, child support scheme after pandemic, vahali dikri Yojana etc.

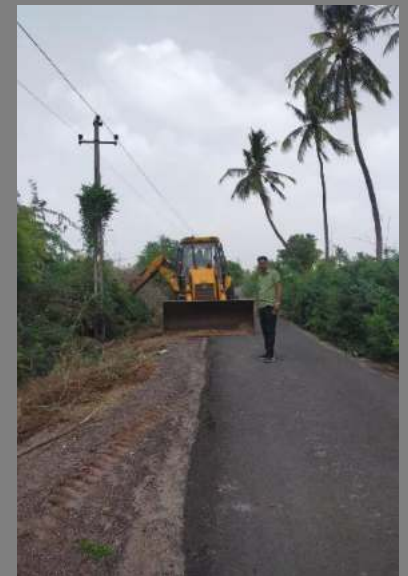
Community Infrastructure

Work Completed

- 31 RRWHS structure have been completed
- 45 Bore-well recharging activity is completed .
- Development Approach road Prasala vadi vistar Gogan Pachim at Zarpara
- Earthen bund Repairing work at Pond, Luni.
- Pre-moon soon activity Approach repairing, Village Pond lake strengthen and river cleaning (babul cutting) work is ongoing in Various Villages
- Approach Road repairing at Various Fishermen Vasahat(ARC).

Work in progress

1. Construction of common Gathering Rooms at Wandi village.
2. Development of Chain Link Fencing at tree forestation at Nana Kapaya.
3. Construction of community gathering Shed at Mundra- work in final Stage.



Adani Skill Development Centre

ASDC, Mundra

Courses	Female	Male	Total
Digital Literacy	10	20	30
Tally with GST	02	03	05
General Duty Assistant	04	01	05
Dori work	21	00	21
Mudwork	18	00	18
Basic Functional English	09	12	21
Beauty Therapist	01	00	01
Manicure and pedicure	20	0	20
Data entry operator	02	0	2
Junior crane operator	00	48	48
Total	87	84	171

RPL – Recognition of Prior Learning Training given to Adani Group Contractual Employees –Total 218 Employees have been benefitted Junior Crane Operator practical training to 36 Candidates for (Group-1,2 & 3) At MICT Port

Guest Lecture On Mehendi products , Beauty Therapist & Resin art Total 100 candidate have been benefitted.

Certificate Distributed to Mud work candidates at MICT Colony-30 women learnt Mud work.

Volunteer Support in GKGH and Adani Hospital during covid pandemic

21 students were coordinated for interview in sea bird CFS of Mundra.

Centre Inspection by Mr. Krunal (GSDM) At Solar Mundra Under Sankalp project

We Received 4 Star rating from the Department.



Adani Skill Development Centre

ASDC, Bhuj

Courses	Female	Male	Total
General Duty Assistant	47	16	63
Diet & Nutrition (Chanakya College)	36	5	41
Digital Literacy (Chanakya College: 30 + Online: 5 + University: 3)	26	12	38
GST with Tally (Online: 1 + University: 22)	20	3	23
First Aid (Chanakya College)	35	6	41
Basic Functional English	3	1	4
Beauty Therapist	3	0	3
Financial Literacy (Chanakya College: 18+ University: 3)	20	1	21
Junior Crane Operator	0	3	3
Welding Technician	0	1	1
Logistics & Supply Chain Management	0	1	1
Frontline Health Worker	5	0	5
Occupational Safety and Health Administration	1	0	1
Domestic Data Entry Operator	0	1	1
Total	196	50	246



Other Activities:

Launched New online General Duty Assistant & Beauty Therapist for 63 candidates under (DDU-GKY).

Certificate Distribution program to Old GDA batch (DDU-GKY).

Soft Skills Training Certificate distribution to Prisoners of Palara Special Jail.

Guest lecture on " **Tally: Older vs New**" & " **Concept of Emerging E-way Bill**"

total 100 Candidate had attend Guest Lecture.

Nakhatrana CSR

CSR activities being executed for the holistic development of eight most effected villages. in four core area Education, health, SLD and CID

- Carried out Survey of Widow women for Gov Pension scheme. There are Total 246 widow women among them 121 have been facilitated with Widow pension scheme@ Rs.1250/Month i.e. Rs.121250 /Month.
- To increase the ground water table we have started Ground water Recharging activity.Total 22 Bore well have been recharged at Ugedi and Deshalpar Villages.
- Repairing of Four Old check dam ,two pond have been deepen in Ugedi Village.
- World Environment day celebration on 5th June by tree Plantation at Jinjay & Ugedi Villages.
- Tree Plantation at Ugedi primary School with nurturing responsibility over Students **one Tree one Child**.
- Respected Gautam sir Birthday celebration with Tree Plantation at Ugedi schools.
- Adani Foundation day celebration at Deshpar –Gantuli Wiodw pension Government scheme form filling and brief about adani foundation activities.
- Mangoes sapling have been Given to Farmers and aware and awake about the important of Horticulture Cropping to doubling the farmer Income. 1000 Mangoes Sapling had been Distributed to Ugedi and Deshalpar Villages Farmers Accordingly.



Sr. No	Village Name	Total Widow woman	Eligible for Pension scheme	Total remaining	Facilitated Through AF
1	Ratdiya	45	27	18	26
2	Ugedi	42	36	6	19
3	Amara	43	17	26	17
4	Deshalpar (G)	69	44	25	39
5	Jinjay	25	18	7	12
6	Dhamay Navi	13	5	8	5
7	Dhamay Juni	9	3	6	3
Total		246	150	96	121

Nakhatrana CSR



- Under Utthan project total 8 schools and 1165 students are getting benefit since two years
- Even though the covid pandemic Uthhan education is ongoing with innovative teaching method.
 - **Online Outreach- Students-375**
 - **Individual Home visit-138**
 - **Sheri sikshan and school students- 313**
- Apart from regular classes Utthan Sahayks conducted online Covid awareness session. In which 100+ students and 80+ mothers took participate
- Utthan Sahayks approached Virtual classes for progressive learner before 9:00 am and after 8:30 pm.
- 21 students have been coached guided for National Means cum Merit Cum Scholarship Scheme (NMMS).
- Mothers Day Celebration and sensitized about how they are key point for their family growth. Total 350 mothers were participated
- International Yoga Day celebration on 21st June Through Virtually and Physically. More than 100 Family had participated
- More than 504 Mother were informed and awaked durinh mother meeting in Utthan Villages and aware about their wards education progress Health ,Hygine.
- Capacity building program for Utthan Sahayaks and Government Officers.
- Celebrated 75th Independence day with Commemorate 75 untold story , A Freedom Fighters who paid remarkable contribution for Indian Independence. And 139 Utthan school students and 53 parents had participated in Rashtragaan ,an initiative by the Ministry of Culture to Mark Azadi ka Amrit Mahotsav.
- Rakhi festival Students made Eco friendly Rakhi and tied to the 108 Frontline corona warriors.
- Arranged Virtual Tour on Plastic Waste Management with Municipal Corporation, Surat 73 Students were participated for the same.
- Teacher day celebration by preparing gratitude wall with card at 08 Utthan schools.
- D- Talks are an Initiative of Global Dream, a Disruptive Movement for Universal Foundational Literacy and Numera. Mr. Jatin Upadhayay Talk On "Empowering the Marginalized Communities in Gujarat Through rejuvenating Education.
- World Bool day celebration and started issue our library corner Books ,297 Books were issued by 6 to 9 standard students through our Library corner initiative which prompted them for reading nd created curiosity to know more.
- Teacher day celebration by preparing gratitude wall with card at all 08 schools.
- 25 Students are being taught for Javahar Navoday Entrance Exam by Utthan Sahayak since last Three Month.

Tuna CSR



CSR activities being executed for the holistic development of three most effected villages and two fisherfolk settlement AKBTPL, Tuna.

We are Providing sage and clean potable water to Vira and Ghavarvado Fishermen vasahat and Vandi Village.
Total 11310 KL water was supplied by coordination with GWIL.

Two Pond Deepening at at Rampar Village and Community training center construction at Vandi Village.

Tree Plantation at Rampar primary School with **one Tree one Child concept to Nurturing Environment. 500+ trees planted**

Fodder distribution to Rampar and Tuna Villages.
Green Fodder -720310Kg
Dry Fodder -26680Kg Green.

Bitta CSR

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

As Abdasa is water scared region awareness for water conservation was provided to 50+ farmers of Bitta, Dhrufi and Moti Dhrufi villages.

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

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

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



Dignity of Work Force Programme - EVP

Presently in Mundra Population of migrated labour community is increasing. Some of them are living in pathetic condition due to lack of awareness and education. It is true that we cannot achieve our goal of development until we support to up bring lives of this community. Basic needs of this labour force needs to be address. In labour Vasahats they are not getting facility of health facilities, proper living condition, sanitation or proper living atmosphere. This leads to addiction and various diseases.

Under Employee Volunteering Programme, Adani Foundation employees are supporting to more than 800 students of Hindi Medium from workforce background.

Adani Foundation Medical officers are providing their services at Labour clinic at Every Saturday Sunday and covering more than 150 patients in a week.

Joy of giving week celebration is scheduled twice in a year. In June 2021, more than 7500+ cloth distribution to workforce families by Employees of Adani Group under EVP.

DE addiction Awareness Campaign is going on with "Prajapita Brahmakumaris" at Labour Vasahat Areas. This campaign has changed life of many labours. Cleanliness Drive is organized in May and August with Adani Willmar Limited at vasahat areas.

Rakshabandhan and Ashadhi bij celebration by Mundra Solar

Dignity of workforce programme is arranged by joining collaboration with Adani Wilmar Limited, APSEZ, labour contractor and leaders of union. adan



Dignity of Work Force Programme - EVP



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

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

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

Early diagnostics and treatment initiation are key to saving lives and minimizing disease transmission. In 2019, India reached a milestone of 24 lakh notified cases in India, an increase of 12% compared with 2018. Even then, an estimated 5.4 lakh were 'missing' across India, a serious drawback to our TB

elimination efforts as what is not measured is unlikely to be improved. Diagnostic delays are also prevalent in India, with studies indicating that these can be attributed to patients as well as health systems.

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

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

Success Stories : Stories of 9 Empowered Women of Mundra



Educating and investing in women and girls has a multiplier effect on productivity, efficiency and economic growth but economically strengthening women is not only a means by which to spur and sustain inclusive industrial development, it is also a matter of advancing women's human rights.

Success Stories



"Biogas asanje kutum jo hakdo sabhy j aay"
(Homebiogas is our family member now)
words by Gita Bharu sheda residing in
Zarpara village. We get bio slurry which is
golden material for growth and I am so happy
to cook on gas flame !! Earlier we have to
collect wood and 5 hours per day breathing
carbon during cooking period..
We will create awareness of the same to
other farmers also.



Jetbai Gadhvi residing in Bhorara, she is
saying " Now rural women can enjoy a smoke
free life and almost entirely freedom from
firewood collection and management. We
feel safer, healthier and less worried - now
we have time for other activities.

Success Stories



Valbai Sheda is residing at Zarpara village Prasla Vadi Vistar. She is Arts graduate and very much interested in developing various types of fodder. Having 5 cows and 2 buffalos, use of biogas since 4 years soil become fertile. She is developing Super Napier Bajra - NB21 and using chaff cutter for cutting it. She always use to make silage and cattle food with high protein. With all experiments milk quality and also quantity increased by half ltr to one ltr per day per cow



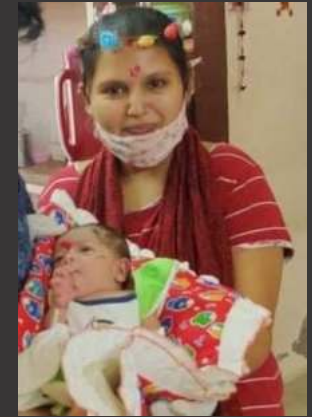
Heerbai sodham residing at Nana kapaya who is progressive lady farmer. She lost her husband in 2015 in road accident. Responsibility of 4 children made her determined to earn for family. Her mother in law encouraged her for continue agriculture work. Her daughter is studying BSc nursing at Ahmedabad. Since 3 years she is doing cow based natural farming. After knowing about homebiogas she approached Adani foundation and today on world environment day with her contribution installation carried out at her farm. We salute her strong approach for natural farming and courage to take care of whole family with confidence

Success Stories



Gitaben is lady farmer doing natural farming at Bhorara Village. She is taking care of her dragon fruit farm having more than 3000 plants with zero chemicals. She is widow and having 3 children . Her daughter is civil engineer and helping her in cultivation. When we meet her in month of March and offered our support – she told she just required guidance for jeevamrut and Gau Krupa Amrutam. She took part in "Kamlam" Exhibition at Ahmedabad. Adani Foundation salutes her confidence and self respect.

When a sweet little angel came into this world she was not at all aware about condition of her parents !!
Divyanen soni residing at Gandhidham was nine month pregnant, delivery date was having only 7 days time period.
In this happiness time - suddenly symptoms of corona appeared and corona test came out positive.
Her husband Nikunj soni inquired to many private hospital but nobody was ready to take responsibility of delivery of corona patient.
Finally the couple came to Adani GKGH hospital. Including corona treatment safe Delivery happened of patient - saved two lives !!
When divya ben left for home with a cute baby girl she said " Thanks word is very small for this nobel help - I got great gift of the God "



Success Stories



Ranjana ba is 28 years old lady lives in bhorara. She has 4 children. Her husband Raghuvirsinh lost his life before 3 months due to corona. For Ranjan ba it was a very crucial time - socially and financially.. Jagrutiben meet her n fill forms of bal sanrakshan for 4 children. She will start getting 2000 per child - Rs 8000 per month from GOG. This support will be blessings for her.



Diwali Ben Parmar age 62 Years living at Mundra. Her name is totally opposite to her personality - she is 100 percent blind. With help of karsanbhai she started getting Niradhar vridhdh pension Rs 750 per month as well as she received bus pass today. We can see her blessings by her innocent smile..

Success Stories

"if you are planning for one year grow crops, if you are planning for 10 years grow the fruit saplings, but if your planning is for 100 years grow education" – this is a well-known proverb. It is not that person does not know about education but when a person has to make choice of education v/s hunger the later one wins the battle. Dearth for education burns to extinguish fire of hunger.

The war of Education v/s hunger was the same in the house of Haribhai Khetshi Sheda a resident of Zarpara Village of Mundra. The couple Haribhai Sheda has 7 daughters and 5 sons was earning livelihood through grazing animals, working in others farm, and trying to grow something in his own farm with great difficulty. In the grave financial conditions there was no scope that children could be educated as all were occupied as child labourers and all gave priority to work as compared to education. But, story was

different with the fourth child Nagajan Sheda. For him detection of polio followed by permanent defect in leg due to doctors fault turned as a blessing in disguise as he completed education till class 9 and dropped out after failing in class 10.

In 1991, when Adani Company started Mr Nagajan got labour work from a contractor. His first marriage had failed but was comfortable with the second wife. His first daughter from first marriage was Jyoti. He tried to give her best of childhood. He took an oath to educate the daughter by any means and make her doctor. It was his burning desire to see the upcoming generation of Charan samaj educated. He determined to do anything to have the tag of Dr. for his daughter.

Mr Nagajan started a tea stall for the people coming to work at Adani Port. But too bad of

his fate nobody turned up for 08 days as he was using cow and buffalos milk and not of the packet. He didn't have enough fund to invest for the same. Meanwhile one contractor came with 50 labourers to do some civil work and they all started coming to his tea stall. Gradually, he borrowed 5000 rupees to bring things for the shop and also took the franchisee for Amul. He admitted Jyoti in the govt school of Dhrub. The family of Nagajanbhai also got two more sons and a daughter.

In order to fulfill his desire Nagajanbhai started searching for a good school in nearby area and narrowed down to Adani Public School, CBSE school. The family members opposed for the same as it would increase the expense for all. He was firm and said " I will eat chapatti and salt but will educate my daughter".

Success Stories



Jyoti was admitted in the school in Jr.Kg. The teachers of the school could understand the passion of the parent and her journey in APS started which was followed by her 03 siblings joining her in the same school.

Inspite of distance, different timings of all

the section Mr Nagajan use to meticulously do pickup and drop for all the children. His wife supported him by doing all the household chores on her own, managing livestock and farm to earn some amount.

Time flied and Ms Jyoti secured 92% in Class 12 Science. The first target of Mr Nagajan was achieved. He received great appreciation and could set an example for his community. At present his two sons Rudra and Shivam are in 11th and 7th respectively and daughter Sonal is in class 9. It is not been an easy task to regularly pay fees of 04 kids. Yet he managed to do so. At times he has become fee defaulter which created various issues like result on hold etc. At one point of time he sold his plot and paid fees. His all the four children are good at studies and other co-curricular activities. Jyoti has got first position in district level

throw ball, has got the best school award in swachagraha, gave a speech on kargil day and many others.

Jyoti is firm to fullfil the dream of her parents. She is able to drive vehicles like bolero, bike and grows different plants.

In the community of Nagajan Bhai early marriages are still prevalent. But, he has not done so for any of his kids. Nagajan bhai has proved to be a living example that if one decides he could achieve anything be it education of kids or their bright future.

Our country needs many such Nagajan bhai to have many Jyoti's!!!!

Events



Inauguration of **Community Resource Centre on 3rd April** to bridge the gap between Government and community to facilitate government schemes with Launching of "Super 51" Book Let by auspicious presence of Respected DM kutchh Ms.Pravina D K - IAS, District Development Officer Mr Bhavya Verma - IAS, Director, DRDA Mr Joshi , Director- Social welfare office Mr Arvind Rohadiya, Mr Chaudhary Sub Divisional Magistrate.

All dignitaries has visited Sanitary pad making unit and discussed with Saheli group women regarding orders and capacity. Pravina D K mam meet all women groups and asked NRLM department to prepare empowerment plan for the SHG's.

Events



❖ Super specialist health camps

With Joint Collaboration of Adani Foundation, Adani Hospital Mundra & Sterling Ramakrishna Hospital Gandhidham at Adani Hospital Mundra on 26th August. With availability of **Dr. Ankur Gupta** (Neuro & spine surgeon), **Dr. Tausif Sauravardi** (Pulmonologist), **Dr. Gautam Pipara** (Urologist), **Dr. Kunal Thakkar** (Endocrinologist) from Sterling Ramakrishna Hospital Gandhidham render their services accordingly.

With Joint Collaboration of Adani Foundation, Adani Hospital Mundra & Sterling Ramakrishna Hospital Gandhidham at Rotary hall on 28th September. **Dr. Ankur Gupta** (Neuro & spine surgeon), **Dr. Tausif Sauravardi** (Pulmonologist), **Dr. Gautam Pipara** (Urologist), **Dr. Kunal Thakkar** (Endocrinologist) Dr. Sachin Patel (MD), Dr. Rajesh Shukla (Surgeon) and Dr. Treyank Shukla (Pediatrician) had provided their services

Total 961 **Patients** had benefitted.



Doctor's Day Celebration

Kutch Kalpataru farmer producer organization is working for promoting dates of Kutch. On the occasion of Doctor day on 1st July, KKPC Farmers honored Doctor, Nurses and House keeping staff of GKGH, Bhuj & AHMPUL, Mundra with great respect to paid their sincere contribution during Covid -19 Pandemic.

On this day all Directors of KKPC were remain present and facilitate all medical staff with dates packet. More than 800 Staff members have been facilitated with the same.

This shows great feelings of farmers towards remarkable work of Adani healthcare in pandemic condition at Mundra and Bhuj Hospital.

Events



We celebrated **25th Silver Jubilee of Adani Foundation** at Adani House Mundra. On this Auspicious day We facilitated 11 women of Mundra Villages who have done Remarkable work in their filed in the Presence of EDM Shree Rakshit sir and HOD of APSEZ. acquainted about Adani Foundation Journey.

As well as Appointment letter Felicitated to Mamd Shakil Manjaliya, a First Fisher Youth who have peruse Mechanical Diploma



On the occasion of **Respected Dr. Pritiben Birthday** at 29th August, 21 Ration kit were distributed by APSEZ & AWL Employee To needy widow and senior citizen Women who are alone & passing measurable life

As well as ensure to continue ration kit support for life long to them.

Events



World Environment Day Celebration

Miyawaki forest development inauguration was held in coordination with Gram Panchayat, Forest Department and Mnrega. Additional collector, Sub division Magistrate, Range forest officer, TDO, Head environment, Panchayat members and Talati remained present. Press media was also live in this virtual event. Executive Director Mr. V. S. Gadhvi had given motivational speech on the occasion.

MOU signing ceremony for promotion of Natural farming with KSKV kutchh University. Dr.Jayrajsinh Jadeja vice chancellor and Dr.Mrugesh trivdi HOD of earth and environmental science were present and discussed about the road map for involving more than 2000 farmers for natural farming



International Coastal Clean up Day

Adani foundation MUNDRA has celebrated International Coastal Clean up Day with Coast Guard" with theme swachhagraha.. School students, Coast Guard staff and Adani foundation staff had cleaned Mandvi beach and give a message of swachhagraha.. In this event more than 150 students and 120 staff members of coast guard and Adani Foundation had taken part

Visits



- **ESG team** of Adani Group had visited AF Mundra - sustainable Project & business
- **Adani Foundation COO**, Respected Chandrasekhar Gowda sir-COO Adani Foundation had visit of all AF Project Mundra.
- **Adani Digital Lab & AF Communication Team**, had visit all AF Project Mundra.
- **MOEF team** had visit about APSEZ & AF Sustainability Projects.

- **EDI -Entrepreneurship Development Institute Team** had visit to frame out sustainable SHG development Project
- Gujarat Ecology Commission has visited grassland development project
- **100 VVIP Investor had Visit** APSEZ ,Mundra as well as Briefed about CSR activities and Gifted with NAMDA Frame which is unique combination to Revival of NAMDA craft and Mangrove Bio diversity- Fauna.



Mapping AF Projects with Sustainable Development Goals...

Sr No	UN-Sustainable Development Goals	Illustrative Mapping of Mundra Projects
1	No Poverty	Support to Farmers, Fishermen and Locals, Adani Skill Development Centre (ASDC)
2	Zero Hunger	Natural Farming, Drip Irrigation Project, Dragon Fruit Farming, Date Tissue Culture
3	Good Health & Well-being	Gujarat Adani Institute of Medical Sciences (GAIMS), Health Clinics, Mobile Health Vans
4	Quality Education	Adani Vidya Mandir, GAIMS & ASDC
5	Gender Equality	Co-education in Adani Vidya Mandir & ASDC, Saheli Samitis, Support to Women Farmers
6	Clean Water & Sanitization	Water Conservation Projects, Potable Water to Fishermen
7	Affordable & Clean Energy	Usage of Solar Energy, Promotion of Bio-Gas Plants
8	Decent Work & Economic Growth	ASDC, Self Help Groups (SHG), Local Arts Revival
9	Industry, innovation & infrastructure	Tissue Culture, Seaweed Culture, Local Arts Revival
10	Reduced Inequalities	SHGs, Local CSR Leadership
11	Sustainable Cities & Communities	Community Infrastructure, Smriti Van
12	Responsible Consumption & Production	Usage of Solar Energy, Natural Farming
13	Climate Action	Mangroves Conservation, Biodiversity, Water Conservation, Seaweed Culture
14	Life below Water	Mangroves Conservation, Seaweed Culture
15	Life on Land	Mangroves Conservation, Smriti Van, Animal Husbandry
16	Peace, Justice & Strong Institutions	Local CSR Leadership, Self-sustained Open Structures
17	Partnerships for Goals	Revival of Local Arts, Smriti Van, Project Swavalamban, Seaweed Culture

Stories of change - impact in numbers...



175+

Hectares of Land Luni
Mangroves Biodiversity

5820+

Fisherman person days
employed in Mangroves
Plantation

41000+

Plantations at Smriti Van
of **115 varieties**

950+

Beneficiaries of
multispecialty health camp

500+

Students at Adani Vidya
Mandir

8900+

Beneficiaries of Health
Initiatives

15

SHGs under 'Saheli'
initiative for Women

121

Home Biogas Plants
installed in 5+ villages

8700+

Special health care for Sr
Citizens in **68 Villages**

1632+

Beneficiaries enrolled in
Govt Schemes in FY21

20

Check Dams constructed
and rejuvenated

5000+

Students under Utthan
initiative in **39 Schools**

Summary - Budget Utilization of six month F.Y. 2021-2022

Sr No	Particulars	Approved Budget	Budget Utilization	% of utilization
A.	General Management and Administration	76.12	23.67	31.10%
B.	Education	172.05	18.07	10.50%
B1	Utthan-Education -Mundra & Anjar	149.51	16.91	11.31%
B2	Utthan : Fisherfolk	22.54	1.16	5.14%
C.	Community Health	330.38	107.47	32.53%
D.	Sustainable Livelihood Development	426.28	171.64	40.26%
E.	Community Infrastructure Development	141.35	11.18	7.91%
F.	EDM Recommended Projects	100.00	2.65	2.65%
G.	COVID 19 Support	25.00	12.16	48.63%
	Total AF CSR Budget :	1,271.18	346.84	27.28%
[I]	Adani Vidya Mandir-Bhadreshwar	189.84	40.41	21.28%
[II]	Project Udaan-Mundra	167.42	17.99	10.75%
	GRAND TOTAL Budget F.Y. 2021-22 :	1,628.45	405.24	24.89%

Media coverage

અદાથી ફાઉન્ડેશન દ્વારા નાના કપાયા ખાતે ગાઢ જંગલ ઉભું કરાશે

અદાણી ફાઇન્ટેશન અને કચ્છ સુનિ. વચ્ચે સહુપ ખેતી માટે એમઓયુ

[illegible]

કચ્છ પત્રિકા

અદાણી ફાઉન્ડેશન અને તાલુકા હેલ્થ ઓફીસના સંયુક્ત ઉપક્રમે “ટી.બી.હારેગા દેશ જીતેગા” અંતર્ગત કાર્યક્રમ યોજાયો

[illegible]

જામુનિ કાઠિએ કાઠિએ બધાએ જેમો સાથ પાલન પોતો ને મને મેં (જામુનિ) થયો,	મને કાઠાનુપુત્રી લાવ્યા અને હા બે બાઈની પોંચ પાડીને અને જામુનિને આજુ પોડીને.
સાથે - સાથે કાંઠે મા લાવને બહારથી કંચડીકર કા. કે. જામુનિ તથા બહારથી	બે લઈને ટી.બી.જમુનિ માટેની કાઠાકાઠી ની વિધિને પોંચાવ્યાને બંદીની વિધિને

adani એવાની હાલ એવા પો અંત : એવા નં 6-25-2018

અદાણા ફાઉન્ડેશનના મંત્ર : સર્વાનુ ઉત્તરદાયિત્ય

१०० करोड़ की लागत पर बनाई गई यह नया इमारत १०० करोड़ की लागत पर बनाई गई है।

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૨ કચ્છ પત્રિકા

“શાળા બંધ પણ શિક્ષણ નહિ”

[illegible][illegible]

મુદરા વિસ્તારની મહિલાઓ સ્વરાંજગારી મેળવતી થઈ હતી એ જુથ જોવા મળે છે.

કોરોનાકાળમાં મહિલાઓએ મેળવી રોજગારી

[illegible]

પ્રાચીન ગુપ્તાનાં પુત્રો પાંચનાં હતાં. તેમની પૈકીનાં બે પુત્રો પ્રાચીન પ્રાજાપતિ જાતનાં હતાં. એ બે પુત્રોનાં નામો 'શ્રી' અને 'શ્રીમદ' હતાં. આ બે પુત્રોનાં નામો 'શ્રી' અને 'શ્રીમદ' હતાં. આ બે પુત્રોનાં નામો 'શ્રી' અને 'શ્રીમદ' હતાં.

આશ્રિમા આશ્રિ પાંચ દુર્ગરે ઉભેન તના બાવ વેપો સ્થા છે. પ્રસાદ આપુ બે પ્રસાર પ્રસાનામા
રૂપિયા બહેનો રળી છે છે. બુજ બહેનોને રોજગારી મળે એ રોજગારી મળતી થઈ હતી.

અન્ય મુદ્દાના વિસ્તારના અભાવે માટે માત્ર કૃપા બનાવવા સંતાપ



મુંદરાના કોમ્યુનિટી રિસોર્સ સેન્ટરનો કસ્ટોડિયલો પ્રારંભ

મુંદરા, તા. ૧૬ : અદાણી કોર્પોરેશન દ્વારા સામાજિક ઉત્તરદોશના આયોજ્ય વાસે અને સરકારના સેવા સંબંધ સેતુ જગણ અને સરકાર ટેકરબી લાગતી વિવિધ ૫૫ જેટલી વિવિધ માળખાનો લાભ લોકો મુખી મને તે માટે સેતુ બનાવના ઉપદા સેતુસર મુંદરાના 'કોમ્યુનિટી રિસોર્સ સેન્ટર' માં આયોજના આમ્યુ છ.

જેનું ઉપદેશના શિક્ષક કલેક્ટર પ્રવીણા જી. દારા



મુંદરાના અદાણી કોર્પોરેશન દ્વારા કોમ્યુનિટી રિસોર્સ પ્રારંભ પાંચવાલા કાર્યાલયમાં કલેક્ટર તથા અન્યો જાવા ભેળે છે.

સ્થલકાય જુથની ખબરનો દારા ધારી કમપોનીરી અને અદાણી કોર્પોરેશનનાં કરવાન ગવર્ની પ્રવાસ મેલતા અને જાનુનિ જાંનિને ઉપસ્થિત મતમાનાન માહિતીઓ સેતુ લતા.

સ્થલકાય જુથની ખબરનો લાય લોગિંગ પાવર, કોલેક્ટરોપના સમકક્ષ ગવેરે બનાવવામાં આવે છે તેમજ ઉ લેવરવાલાની પ્રાનીની સેન્ટરની ૫૫ બનાવવામાં આવે છે. આ મુલકાની ઉપસ્થિત મતમાનાન મુંદરાના લોકોની સેતુ અને કમપોનીરી નિલાધી

અદાણી ફાઉન્ડેશનના પ્રયાસો રંગ લાવ્યા...

માછીમારનો દીકરો મિકેનિકલ એન્જિનીયર
બન્યો, મોટી કંપનીમાં નોકરી પણ મળી

આદાણી પોર્ટ-સેઝમાં નોકરીનો
પત્ર રક્ષિતભાઈ શાહે
આપતાં પરિવાર ગદગદ થયો

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મુંદ્રાના અદાણા હોસ્પિટલમાં કારના
પોસ્ટિંગ દર્દીઓની દરમિયાની ગેલે ગાદી

[illegible]

गोमन्त शिलालेखानें आचार्य दत्तलाल तरेल वर पर तरेल पळे. पांडेभालावळी तरेलना भाव्य कलकलप छे नवीनीत. पांडेजीव तावावरुण छेळु कर्वा भजन अने संगीतीनी सुवावळी पळ कराय छे प्रस्तुत.

मुन्ना अहळी मुन्ना हारा करुणना मुन्ना भाते आहळी अहळी सोविपयलना क्रीडक केर सोविपयल कड उतरल छे. जेन्ना कांय पंडीटज दळीओनी सारवार कराय छे. जेन्मी परिस्थितिना आचार्य दळीओनी सौ तरेल छे. दळीओनी पय नवीनीतल करुणवीर वावाळी मली. आ ज्ञानवय वापरल साने तरेल छे दळी तरेल. राजेश सरदारना आभक प्रयासोनी सांगेल जेवा अहळी मुन्ना हारा करुणना मुन्ना सिलत अहळी सोविपयल-मुन्ना भाते १०० शीतना आहळीज सुविधा वाणी शीतलो सोरिप कड उपलव्य करुणना आचरो. जेन्ना भागपयें हाल अहळी सोविपयल मुन्ना भाते ५० आहळीजल ५५ क्रीडक छीयतले माटे कांपेत करुवामें आये छे. तेमज आभामें हिलोसो अने ५० पेड आहळीजनी मुन्ना भाते क्रीडक छीयतले माटे करुवामें आये छे. मुन्नानी जणना तेमज आभेसभामें गांभोना शीतलो क्रीडना अनेजी जणना तरुत मुली रली छे. जेन्ना अहळी सोविपयलना द्वाभय वापण दळीओनी सारवार, पणय अज आचार्यपळ, भांजण अने पंडीक आचार्य, अमरक वासु छे. द्वाभोनी आचार्य वासु छे. जेन्ना संवाचने अने गांभोनी सोविपयलना छेकरी करुवामें आनी लुं छे. दळी सारवामें पांडीटज तावावरुण मुली रले ते माटे भजन तेमज संगीतना सुरी पळ सुक कराय छे. द्वाभल दळी लोत. जेन्ना तरेलने दिविलो जेन्ना लोत पळ कराय छे. अहळी सोविपयलना पंडितने शास पळ दळीनी मुवाळत लोत सोंपे छे. अहळी मुन्ना रेलित गांभो जेन्नायें तरे छे. हात पण मुन्ना आहळी सौरी आचार्य मुन्ना अहळी हात आपयवामें आचरी

Adani Foundation Kutch

Thank You