



APSEZ/EnvCell/2018-19/057

Date: 23.11.2018

To

Additional Principal Chief Conservator of Forests (C),

Ministry of Environment, Forest and Climate Change,

Regional Office (WZ), E-5, Kendriya

Paryavaran Bhawan, Arera Colony,

Link Road No. – 3, Bhopal – 462 016.

E-mail: rowz.bpl-mef@nic.in

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 – 2018 to September – 2018 is enclosed here for your records. The stated information is also provided in form of a CD (soft copy).

Thank you,

Yours Faithfully,

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

Avinash Rai

Chief Executive Officer

Mundra & Tuna Port

Encl: As above

Copy to:

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

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Environmental Clearance Compliance Report

of



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

of

MPSEZ Utilities Pvt. Ltd.
(MUPL-CETP)

for
Period:

April-2018 to September-2018

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

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Compliance Report of Environmental Clearance

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
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 30-09-2018
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>Environment Audit is carried out on six monthly basis through reputed institute approved by GPCB. Soil and ground water quality monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Last Audit Report was submitted to GPCB on 04.07.2018. Acknowledgement copy of the same is attached as Annexure - 1.</p>
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	<p>Complied.</p> <p>Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory.</p> <p>Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as 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 CETP always meets with the inlet norms.	<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> <p>Inlet norms of effluent for CETP are mentioned at specific condition no. 6. Effluents from any industry are allowed only if they comply with inlet norms of CETP.</p>

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018												
4	Fresh water requirement for the CETP shall be 100 KL/day, which shall be sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water shall be tapped for the project.	<p>Complied.</p> <p>Fresh water requirement for CETP is ranging from 5 KL/Day to 6 KL/Day, which is sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply and / or Desalination plant of APSEZ. No ground water is being tapped.</p> <p>Details of water consumption are given as 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 received in CETP from member units was 162 KL/Day and treated water discharge from the CETP 152 KL/ Day respectively during the compliance period. Present installed capacity of CETP is 2.5 MLD only which is higher than average inflow of effluent from member industry. Details on quantity received from industry and treated water discharge are attached as Annexure – 3.</p>												
6	<p>The total quantity of effluent discharge (including industrial effluent and sewage overflow from septic tank – soak pit) from the member units shall not exceed 17000 KL/ Day (17 MLD) and it shall be conveyed through underground pipeline to the CETP for further treatment. The effluent discharge from the CETP member units (cluster or individual unit) shall confirm to the following CETP inlet norms framed by the MUPL:</p> <table><tr><th>Parameter</th><th>CETP inlet norm of MUPL</th></tr><tr><td>pH</td><td>6.5 To 8.5</td></tr><tr><td>Suspended Solids</td><td>800 mg/l</td></tr><tr><td>BOD (3 Days at 27 °C)</td><td>1000 mg/l</td></tr><tr><td></td><td>2000 mg/l</td></tr><tr><td></td><td>2100 mg/l</td></tr></table>	Parameter	CETP inlet norm of MUPL	pH	6.5 To 8.5	Suspended Solids	800 mg/l	BOD (3 Days at 27 °C)	1000 mg/l		2000 mg/l		2100 mg/l	<p>Complied.</p> <p>The average quantity of effluent received in CETP from member units was 162 KL/Day and treated water discharge from the CETP 152 KL/ Day respectively during the compliance period.</p> <p>There are only two member industries of CETP as on date for industrial effluent and effluent is transferred through underground pipeline only. Presently on Avg. 152 KL/ Day effluent is treated at CETP.</p> <p>Monitoring and analysis of CETP inlet wastewater from each industry is carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD and BOD. Analysis reports are submitted to GPCB every month and proof showing the same is attached as Annexure – 2.</p> <p>Sewage is also received from other member units for treatment in CETP and final disposal.</p> <p>List of member units for industrial effluent as well as domestic sewage were submitted to the MoEF & CC along with half yearly compliance report Apr – 2016 to Sep –</p>
Parameter	CETP inlet norm of MUPL													
pH	6.5 To 8.5													
Suspended Solids	800 mg/l													
BOD (3 Days at 27 °C)	1000 mg/l													
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	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions		Compliance Status as on 30-09-2018												
	COD TDS Oil & Grease Phenolic Compounds Cyanides Fluorides Sulphides Ammonical Nitrogen Copper Nickel	20 mg/l 1 mg/l 0.2 mg/l 2 mg/l 2 mg/l 50 mg/l 3 mg/l 3 mg/l	2016 and there is no further change. MUPL-CETP has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and details of the same was submitted to the MoEF & CC along with half yearly compliance report April- 2016 to Sep - 2016.												
7	The individual member unit will be required to achieve CETP inlet norms. If required, necessary treatment for removal of metals, ammonical nitrogen and other such parameters will be given by the individual units to meet the CETP inlet norms.		Complied. Agreement is made with the industry to consider aspect of conformance with the CETP inlet norms. Effluent samples are tested for conformance of inlet norms of CETP as provided in specific condition no. 6 above. Currently two units have agreement to discharge their effluent to CETP. The detail for the same is as below. <table><tr><th>Unit</th><th>ETP Capacity</th><th>Treatment Methodology</th><th>Average Water Discharge</th></tr><tr><td>M/s Dorf ketal Specialty Catalyst Pvt. Ltd.</td><td>100 KLD</td><td>Primary & Secondary Treatment</td><td>84 KL</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>15 KL</td></tr></table>	Unit	ETP Capacity	Treatment Methodology	Average Water Discharge	M/s Dorf ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	84 KL	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	15 KL
Unit	ETP Capacity	Treatment Methodology	Average Water Discharge												
M/s Dorf ketal Specialty Catalyst Pvt. Ltd.	100 KLD	Primary & Secondary Treatment	84 KL												
M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	15 KL												
8	The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.		Complied. The details for the same are provided in specific condition no 6 above.												
9	Domestic waste water shall be discharged into septic tank/ soak pit system by the individual member units and the overflow shall be conveyed to the CETP along with industrial effluent for its treatment. Domestic waste water generated at the CETP		Complied. Sewage from member industry is collected into collection tank, which is transferred to CETP at average rate of 65 KL/Day through pipeline. Average generation of domestic wastewater is ranging from 1.0 to 1.5 KL per day at the CETP and the same is treated in the CETP itself along with industrial effluent.												

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018																														
	will also be treated in the CETP.																															
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment facilities to achieve the GPCB norms. The CETP shall be established in modules of 2.5 MLD to achieve the ultimate capacity of 17 MLD with the passage of time depending on the actual requirements as per development of the MPSEZL. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the GPCB norms.	<p>Complied.</p> <p>MUPL has established the adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.</p> <p>Present installed capacity of CETP is 2.5 MLD.</p> <p>Third party analysis of the treated water is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'18 to Sep'18 is mentioned below.</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>7.01</td><td>7.35</td><td>6.0 – 9.0</td></tr><tr><td>SS</td><td>mg/L</td><td>22</td><td>65</td><td>100</td></tr><tr><td>COD</td><td>mg/L</td><td>44</td><td>116</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>2.4</td><td>32</td><td>100</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>2.8</td><td>38</td><td>50</td></tr></table> <p>\$ Permissible Limits as per CC&A for CETP</p> <p>Please refer Annexure – 4 for detailed analysis reports. Approx. INR 12.5 Lakh is spent for all environmental monitoring activities during F.Y. 2018-19 (Till Sep'18).</p> <p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly.</p> <p>GPCB Sample analysis reports are attached as Annexure – 5, which shows that all the parameters are well within the permissible norms.</p>	Parameter	Unit	Min	Max	Perm. Limit ^{\$}	pH	--	7.01	7.35	6.0 – 9.0	SS	mg/L	22	65	100	COD	mg/L	44	116	250	BOD	mg/L	2.4	32	100	Ammonical Nitrogen	mg/L	2.8	38	50
Parameter	Unit	Min	Max	Perm. Limit ^{\$}																												
pH	--	7.01	7.35	6.0 – 9.0																												
SS	mg/L	22	65	100																												
COD	mg/L	44	116	250																												
BOD	mg/L	2.4	32	100																												
Ammonical Nitrogen	mg/L	2.8	38	50																												
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	<p>Complied.</p> <p>Average 152 KL/Day treated effluent was used for plantation/gardening within the premises of CETP and other areas of Adani Ports and Special Economic Zone Limited during the compliance period.</p>																														

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
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Sr. No.	Conditions	Compliance Status as on 30-09-2018
	discharged to deep sea through outfall 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.	Complied. Drip irrigation system is provided for watering the green belt in the vicinity.
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.	Complied. Treated effluent from CETP is supplied through only one outlet for gardening purpose. MUPL CETP has installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters. It is also connected with GPCB as well as CPCB server and information for the same was submitted to the MoEF & CC along with half yearly compliance report April- 2016 to Sep - 2016. Quality of treated effluent from CETP meets with GPCB norms. Refer specific condition No. 10 for test result summery. Please refer Annexure - 4 & 5 showing quality of treated effluent during this compliance period.
14	The MUPL shall instruct and make sure that each contributing member (cluster or individual unit) shall provide a storage tank having at least one day retention time, from where the effluent will go to the CETP for further treatment by pumping through rising main.	Complied. An agreement is made with the respective units to provide storage facility for retention. At present the industrial effluent from two units is received for treatment at the CETP. Both the units have two storage tanks of 50 KL each which is sufficient to store the effluent for at least one day.
15	The MUPL shall give time slot to the contributing member units for discharge of effluent and implement a mechanism for ensuring that	Complied. At present there are only two member industries of CETP and time slot has been given to each industry for discharging their effluent.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
	the member units adhere to the same.	
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.	Complied. MUPL verifies the data of wastewater generation produced by the member units and matches with the inlet meter reading to make sure the entire effluent quantity is supplied to CETP.
17	The MUPL shall be responsible for proper conveyance of effluent from their member units to the CETP. To distinguish the effluent conveyance pipelines from other pipelines, they should be coated with special colour. Periodical maintenance of effluent conveyance pipelines and valves shall be carried out to avoid any spillage or leakage of the effluent being conveyed to the CETP from the member units.	Complied. Black coloured HDPE pipeline for effluent conveyance has been provided to transfer effluent from member units. Daily monitoring of effluent conveyance pipeline and regular maintenance of pump, valve and panel is carried out. Periodical maintenance is carried out to avoid leakage.
18	Magnetic flow meters shall be provided at the inlet and outlet of the CETP as well as ETP outlets of the CETP member units and records for the same shall be maintained and submitted regularly.	Complied. Magnetic flow meters to maintain the record of quantity of raw effluent and treated effluent have been provided at inlet and outlet of CETP. Records of quantity received from industry and treated discharge are attached as Annexure – 3 .
19	The MUPL shall also install pH sensor solenoid valve with alarm device at the inlet of equalization tanks. Emergency tank shall be provided at the CETP for diverting effluent with the CETP inlet norms, in case of unforeseen circumstances.	Complied. Online pH meter is provided at CETP inlet, equalization tank and neutralization tank for continuous monitoring of pH. Equalisation tank having capacity of 1700 KL is capable to take care of unforeseen circumstances.
20	The MUPL shall also install pH sensor with alarm device at final outlet to ensure that	Complied. MUPL-CETP has also installed Continuous Effluent

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
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Sr. No.	Conditions	Compliance Status as on 30-09-2018
	effluent being discharge is always neutral.	Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & 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 – 2016 to Sep – 2016.
21	All the chemicals and nutrients which are required to be added / dosed in any CETP unit shall be added by using "Metering Pumps" only.	Complied. Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and HCl are provided with stand by pumps. Photographs showing the same were submitted as part of compliance report for the duration of Apr'17 to Sep'17.
22	The MUPL shall not keep any bypass line or system, or loose or flexible pipe for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.	Complied. Treated effluent from CETP is supplied through only one outlet for gardening purpose and no bypass line or system, or loose/flexible pipe are provided for discharging effluent outside or even for conveying treated or untreated effluent within the CETP premises.
23	The MUPL shall provide impervious tanks / HDPE tanks / impervious guard ponds to hold effluent for at least 48 hours in the case of either maintenance of the CETP or process disturbances and any untreated effluent shall never be discharged into the environment.	Complied. Two nos. of Guard Ponds having RCC Structure with total capacity of 3000 KL for storage are available within CETP to ensure no untreated effluent discharge into environment.
24	In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the CETP shall be installed, so that the CETP shall always be operated round the clock even in case of power failure.	Complied. D.G. Set having 380 KVA capacity has been provided as stand-by which is equivalent to the power requirement to run CETP.
25	The MUPL will maintain daily log books for the quantity and quality of effluent discharged by the member	Complied. Log books containing all required information are maintained. A typical copy of logbook is attached here as

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
	units, quantity and quality of inflow into the CETP, details of the treatment at each stage of the CETP including the chemicals used. MLSS/MLVSS & DO concentrations in Aeration Tanks, quantity of sludge extracted from the treatment process, energy consumed in treatment, quantity and quality of effluent utilized for plantation / gardening, quantity 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>Annexure – 6.</p> <p>Record of sludge generation and disposal is being maintained. CETP is designed having 2.5 MLD capacity, against that at present we are receiving only avg. 162 KLD effluent from member industries.</p> <p>Last sludge disposal was carried out through landfilling on 08.02.2018 at registered TSDF site as SEPPL, Bhachau. The disposal quantity was 6.710 MT. Details of the same were submitted along with last half yearly compliance period Oct'17 to Mar'18.</p> <p>There was no any sludge disposal during compliance period. Entire quantity of sludge stored in dedicated storage area and will be disposed to approved TSDF site.</p>
26	The MUPL shall set up a full fledged laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.	<p>Complied.</p> <p>Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP.</p> <p>Competent technical staff is deployed for monitoring and analysis of environmental parameters.</p>
27	Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the GPCB on monthly basis.	<p>Complied.</p> <p>Daily analysis data are 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.</p> <p>MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly.</p>

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
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Sr. No.	Conditions	Compliance Status as on 30-09-2018
		<p>GPCB Sample analysis reports are attached as Annexure – 5, 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. Typical proof showing the same is attached as Annexure – 5.</p> <p>Monitoring report for the period from Apr'18 to Sep'18 is attached as Annexure – 4. Approx. INR 12.5 Lakh is spent for all environmental monitoring activities during F.Y. 2018-19 (Till Sep'18).</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 approved by GPCB. Soil and ground water quality monitoring is part of Environment Audit Report. Recommendations suggested as per Environment Audit Report are being complied. Please refer point no. 1 for further detail upon audit report submission.</p>
30	The MUPL shall maintain accurate records of their member units in respect of quantity of each product manufactured, quantity of water consumption, quality of trade effluent, quantity of effluent generated, booked and supplied to CETP on day to day basis and shall submit the compiled record to the GPCB on monthly basis.	<p>Complied.</p> <p>Data regarding quantity and quality of effluent generated from member units are submitted to GPCB regularly and proof showing the same is attached as Annexure – 2.</p>

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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. Ground water sampling and analysis report is attached as Annexure – 4.</p>																									
32	Adequate stack height as per prevailing norms shall be provided to the D.G. Set. The flue gas emission from D.G. Set shall comply with the norms prescribed by the GPCB.	<p>Complied.</p> <p>At present there is only one D.G. set of having capacity of 380 KVA is used as stand-by. Adequate stack height of 6 meter has been provided to the said D.G. Set. There was no any main power failure during compliance period, so there was no need to operate the D.G. Set during such period.</p>																									
33	The ambient air quality shall be monitored in and around the CETP area and results shall be submitted to the GPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the GPCB.	<p>Complied.</p> <p>Ambient Air Quality Monitoring station is established in consultation with GPCB. Third party analysis of the ambient air quality is being carried out on regular basis (twice in a week) by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'18 to Sep'18 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>95.71</td><td>46.53</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>55.54</td><td>18.34</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>25.65</td><td>5.47</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>46.35</td><td>15.56</td><td>80</td></tr></table> <p>[§] as per NAAQ standards, 2009</p> <p>Monitoring report for the period from Apr'18 to Sep'18 is attached as Annexure – 4. Approx. INR 12.5 Lakh is spent for all environmental monitoring activities during F.Y. 2018-19 (Till Sep'18).</p>	Parameter	Unit	Max	Min	Perm. Limit [§]	PM ₁₀	µg/m ³	95.71	46.53	100	PM _{2.5}	µg/m ³	55.54	18.34	60	SO ₂	µg/m ³	25.65	5.47	80	NO ₂	µg/m ³	46.35	15.56	80
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	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
34	The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p>Complied.</p> <p>MUPL has been granted Authorization vide Order No. AWH – 79311 dated 02.06.2016, Valid up to: 07.04.2021 from GPCB, Gandhinagar. All the hazardous waste generated from premises is being disposed as per Hazardous & Other Waste Rules – 2016. There was no disposal of hazardous waste during this compliance period.</p> <p>Membership certificate for disposal of Hazardous waste (SEPPL) is submitted to the MoEF & CC along with half yearly compliance report April – 2016 to Sep – 2016.</p>
35	CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied.</p> <p>Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities. Photograph showing the Hazardous waste storage area having appropriate facilities is enclosed as Annexure – 7.</p>
36	CETP waste shall be disposed at authorized common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility. MUPL have obtained membership with TSDF operator SEPPL, Bhachau for the same.</p> <p>CETP is designed having 2.5 MLD capacities, against that at present we are receiving only 162 KLD effluents from member industries. There is no sizable quantity of sludge generated during this compliance period hence no disposal was carried out.</p> <p>Copy of valid membership certificate submitted to the MoEF & CC along with half yearly compliance report April – 2016 to Sep – 2016 and there is no change further.</p>
37	Discarded containers / drums / bags/ liners shall be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	<p>Complied.</p> <p>Hazardous waste generated from CETP is being disposed through authorised TSDF facility.</p> <p>Used Oil and Discarded Containers generation is not frequent in nature. As & when generated, the same will be</p>

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
38	Used oil shall be sold to the registered recyclers.	disposed by selling out to registered recycler / reprocessor.
39	Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.	Complied. Adequate Hand rail are provided at CETP Tanks for fall protection.
40	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.	Complied. Safety measures like appropriate hand gloves, safety goggles, safety shoes, reflective jacket are provided. Photographs showing the same were submitted as a part of compliance report for the duration of Apr'17 to Sep'17. Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and HCl are provided with stand by pumps to avoid human exposure.
41	All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.	Complied There are no any chemical storage tanks within CETP Premises. Closed handling system is provided for chemical dosing.
42	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check-up of the workers and keeping its record etc.	Complied. MUPL CETP is subsidiary unit of Adani Ports and Special Economic Zone Limited. The Occupation Health Centre of APSEZ is accessible in case of emergency or regular medical check-up of workers. In addition, there is also a Multispecialty Hospital within the APSEZ area at a distance of approx. 3 Km from the CETP.
43	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	Complied. Personal protective equipments are provided to all workers and its usage is ensured and supervised regularly through site in-charge and safety department of APSEZ.
44	First Aid Box shall be made readily available in adequate quantity.	Complied. First aid box is available in CETP area. OHC of APSEZ maintains first aid box regularly.
45	Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CETP operations.	Complied. Regularly tool box talk is being conducted at CETP for safety and health aspects of chemicals handling and CETP operations.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018															
46	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factory Act & Rules.	Complied. Pre-employment and periodical medical examination is being carried out. Record of the same was submitted as a part of compliance report for the duration of Oct'17 to Mar'18.															
47	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Not Applicable No hazardous chemicals are transported during the compliance period.															
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied. Noise level monitoring is being carried out on monthly basis by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'18 to Sep'18 is mentioned below. Monitoring Locations & Frequency: 02 (Twice in a week) <table><tr><th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit</th></tr><tr><td>Day Time</td><td>dB(A)</td><td>72.1</td><td>47.7</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>68.5</td><td>46.6</td><td>70</td></tr></table> ^s as per NAAQ standards, 2009 Please refer compliance condition no. 32 for further details. Monitoring report for the period from Apr'18 to Sep'18 is attached as Annexure – 4 . Approx. INR 12.5 Lakh is spent for all environmental monitoring activities during F.Y. 2018-19 (Till Sep'18).	Parameter	Unit	Max	Min	Perm. Limit	Day Time	dB(A)	72.1	47.7	75	Night Time	dB(A)	68.5	46.6	70
Parameter	Unit	Max	Min	Perm. Limit													
Day Time	dB(A)	72.1	47.7	75													
Night Time	dB(A)	68.5	46.6	70													
49	The MUPL shall develop green belt within premises as per the CPCB guidelines, preferably with local species, and shall submit an action plan of plantation for next three years to the GPCB.	Complied. APSEZ has developed its own "Dept. of Horticulture" which is taking measures/ steps for terrestrial greening and developed 16.98 hectare of green belt with the density of 192 trees per hectare. Total 3261 trees are planted within CETP premises. So, far APSEZ have developed more than 450 ha. area as greenbelt with plantation more than 8.0 Lacs saplings within the APSEZ															

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
		area. Details of the green belt development activity done by APSEZ Mundra are attached as Annexure – 7 .
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 activities must have approvals of the concerned State Government Department/Agencies.	Already complied. 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.
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.	Point noted and agreed. 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.
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.	Point noted and agreed. CETP is functioning with the designed efficiency and meeting with GPCB discharge norms during the entire compliance period. Individual members have their own ETPs which provides necessary treatment to achieve GPCB norms.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
54	The MUPL shall ensure that each & every member renews the agreement on / before expiry of said agreement and shall inform the GPCB about any unit not renewing within stipulated period. The MUPL shall immediately inform the Gujarat Pollution Control Board about termination/ suspension of the CETP membership of any member unit.	<p>Complied.</p> <p>List of member units was submitted along with EC Compliance report for the period Apr-16 to Sep-16 and there is no further change.</p> <p>The agreements are renewed before its expiry by the member units.</p> <p>No event of termination or suspension of the CETP membership has occurred during the compliance period of April'18 to Sep'18.</p>
55	The MUPL shall not allow any new member or enhance effluent quantity of existing members unless & until they have prior requisite permissions from competent authorities.	<p>Complied.</p> <p>No new member has joined MUPL for effluent discharge during the compliance period of April'18 to Sep'18.</p> <p>No member has requested for enhancement of effluent quantity during the compliance period of April'18 to Sep'18.</p>
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same were attached as a part of compliance report submission for the duration of Apr'17 to Sep'17.</p>
57	Good housekeeping shall be maintained within the CETP premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.	<p>Complied.</p> <p>Good housekeeping is being maintained within the CETP premises by the dedicated housekeeping staff.</p> <p>Leakages were attended and recorded in the MIS report of MUPL. Photographs of all the maintenance work done during compliance period of Apr'18 to Sep'18 is attached as Annexure - 9.</p> <p>No floor washing activity was carried out during the compliance period.</p>
58	During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<p>Point noted.</p> <p>Effluent is being transferred to CETP by dedicated pipeline. No major accidental spillage has occurred during financial this compliance period.</p>

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Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
59	Storm water shall not be mixed with the effluent. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.	Complied. Effluent is transferred by effluent transfer pipeline while for storm water, a separate storm water drain is provided in CETP which remains dry throughout the year except monsoon.
60	The MUPL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.	Complied. No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well during this compliance period.
61	The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.	Complied. APSEZ has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Allocation of separate budget has also been done. EMC Organogram of APSEZ was submitted along with last half yearly compliance report Oct'17 to Mar'18. And there is no further change.
62	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported	Complied. Separate budget for the Environment protection measures is earmarked every year. All environment and horticulture activities are considered at corporate level and budget allocation is done accordingly. No separate bank account is maintained for the same however, all the expenses are recorded in advanced accounting system of the organization. Budget for environmental management measures (including horticulture) for the FY 2018-19 is to the tune of INR 1080 lakh. Out of which, Approx. INR 516 lakh are spent during the FY 2018-19 (Till Sep'18). Detailed breakup of the expenditures is attached as Annexure - 10.
63	The MUPL shall take appropriate community development and welfare program for improving socio-	Complied. The CSR Activities including community development and welfare programs for improving socio-economic

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Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018						
	economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	environment of villages are planned out at Mundra by Adani Foundation in four core area. Details of the same are as below.						
		<table><tr><th>Area</th><th>Activity</th></tr><tr><td>Community Health</td><td><ul style="list-style-type: none">The Adani Foundation runs two mobile health care units. Main objective of Mobile Van is to reduce travel time, hardships and expenses. Two mobile health care units cover 34 villages and 05 fishermen settlements. Around 113 types of general and lifesaving medicines are available in these units. Total patient was treated under this scheme during the year 2018-19 (Till Sep'18): 8972 Nos.During the year 2018-19 (Till Sep'18), total 5137 transactions were done by 8518 card holders of 66 villages of Mundra Taluka and they received cash less medical services under this project.Total 10485 OPDs were given medical treatment in various villages through rural dispensaries.During this year, anthropometry study done for 2020 children. Total 6 children became free of malnutrition due to efforts under "Suposhan" Project. Additionally, 6288 FGD were conducted during this year.Total 8770 haemoglobin screenings of RPA woman and adolescent girls was carried out, which helps in controlling anaemia in women and indirectly malnutrition.During the year 2018-19, 11 Specialty camps were organized and 1636 Patients were benefitted.</td></tr><tr><td>Sustainable Livelihood – Fisher folk</td><td><ul style="list-style-type: none">Average 118 KL of water was supplied to 983 households from different settlements on a daily basis under Machhimar Shudhh Jal Yojana.Adani Foundation constructed four Balwadis for kids between the age group of 2.5 years to 5 years at different settlements under Vidya Deep Yojana.Participatory scholarship support for fisherman children studying in SMJ high school Luni and to above 12th standards Students. 80 percentage support given by Adani foundation and 20 percentage support by parents!RTG Crane Operator: 03 Fisherman YouthDori Work Training: 39 WomenMangrove Plantation, moss cleaning, etc.: 5201 Man-days.In addition to this, employment worth of 34727 man-days has been provided till date. The Foundation has also supported Pagadiya fishermen as painting labours by providing them with employment and job in various</td></tr></table>	Area	Activity	Community Health	<ul style="list-style-type: none">The Adani Foundation runs two mobile health care units. Main objective of Mobile Van is to reduce travel time, hardships and expenses. Two mobile health care units cover 34 villages and 05 fishermen settlements. Around 113 types of general and lifesaving medicines are available in these units. Total patient was treated under this scheme during the year 2018-19 (Till Sep'18): 8972 Nos.During the year 2018-19 (Till Sep'18), total 5137 transactions were done by 8518 card holders of 66 villages of Mundra Taluka and they received cash less medical services under this project.Total 10485 OPDs were given medical treatment in various villages through rural dispensaries.During this year, anthropometry study done for 2020 children. Total 6 children became free of malnutrition due to efforts under "Suposhan" Project. Additionally, 6288 FGD were conducted during this year.Total 8770 haemoglobin screenings of RPA woman and adolescent girls was carried out, which helps in controlling anaemia in women and indirectly malnutrition.During the year 2018-19, 11 Specialty camps were organized and 1636 Patients were benefitted.	Sustainable Livelihood – Fisher folk	<ul style="list-style-type: none">Average 118 KL of water was supplied to 983 households from different settlements on a daily basis under Machhimar Shudhh Jal Yojana.Adani Foundation constructed four Balwadis for kids between the age group of 2.5 years to 5 years at different settlements under Vidya Deep Yojana.Participatory scholarship support for fisherman children studying in SMJ high school Luni and to above 12th standards Students. 80 percentage support given by Adani foundation and 20 percentage support by parents!RTG Crane Operator: 03 Fisherman YouthDori Work Training: 39 WomenMangrove Plantation, moss cleaning, etc.: 5201 Man-days.In addition to this, employment worth of 34727 man-days has been provided till date. The Foundation has also supported Pagadiya fishermen as painting labours by providing them with employment and job in various
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Sr. No.	Conditions	Compliance Status as on 30-09-2018
		<ul style="list-style-type: none"> fields. • AF has initiated Programme for Awareness of Farmers in collaboration with KVK. The outreach is approximate 67 farmers of 5 villages. • This year we have given 1,08,000 man fodder worth Rs. 205 Lacs approximately under fodder cultivation program. • Project Swavlamban Launched with blessings of differently abled people of MUNDRA TALUKA and total 533 beneficiaries benefited with financial benefit of 15.0 Lacs under this scheme.
	Education	<ul style="list-style-type: none"> • Total 174 Schools and 12350 students have visited Adani Port, Adani Power & Adani Willmar facilities to get an insight upon the large scale business activity carried out at each of them as a part of project UDAAN. • Navneet English books distribution and Plastic free Environment awareness event organized in all 17 schools of Utthan by Adani foundation. • 111 Govt. primary schools in total 62 villages of Mundra Taluka, 3 villages of in Anjar taluka and two villages of Mandvi Taluka every year on an average 2550 to 2700 children gets enrolled in 1st std in Taluka For 2018-2019 total 2300 children got enrolled & Adani foundation provided the "Enrollment kit" to all new enrollee in Taluka.
	Rural Infrastructure	<ul style="list-style-type: none"> • Under Dignity of Drivers Project, Adani Foundation has constructed Resting Shed for Drivers entering in SEZ Premises. Total 50 beds are constructed, drinking water and sanitation plus recreational – TV Facilities. • A large number of water harvesting structure (18 Nos. of check dams in coordination with salinity department) and ground recharge activities (pond deepening work for more than 15 ponds) were built leading to a significant increase in water table and higher returns to the farmers. • As a part of pre monsoon activities with ACT (Arid Communities and Technologies – NGO) under this program, we have carried out following work. But, due to negligible rainfall we are not able to find out outcome of this project. <ul style="list-style-type: none"> i. Borana – Artificial bore well recharge (work completed) ii. Mangara – Artificial bore well recharge (work completed) iii. Dhrub – Pond deepening work (work completed) iv. Mota Kapaya – abended bore well recharge (work completed) <p>Other works completed</p>

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018	
			<ul style="list-style-type: none"> • Civil and electrical works in HMV driver rest shed • River and pond cleaning by JCB Nanikhakhar, Zarpara and Baroi • 26 pond deepening work under SSJA in 19 villages of mundra taluka Work in Progress <ul style="list-style-type: none"> • Drainage maintenance and other misc works • Basic infra. Facility in Labour Colony • Drainage chamber and covers, wandh village • Development in common place, Navinal • Civil works in gadhvi samaj community hall, Navinal • Civil works in secondary school, Navinal • Repair of west weir work at zarpara • Construction of fisherman house, shekhadiya
		Skill Development	<ul style="list-style-type: none"> • Soft skill training – 284 Nos. • Technical Training – 478 Nos.
		<p>Budget for CSR Activity for the FY 2018-19 is to the tune of INR 1666 lakh. Out of which, Approx. INR 651 lakh are spent during the year (Till Sep'18).</p> <p>Details of CSR activities carried out by Adani Foundation for Mundra and surrounding area is attached as Annexure – 11.</p>	
64	The MUPL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Point noted.	
65	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess	<p>Point noted.</p> <p>Considering existing scenario, at present CETP having 2.5 MLD capacity only installed against total granted capacity of 17.0 MLD. Capacity of the same will be expanded on later stage as per requirement.</p> <p>No expansion or modifications in the plant has been carried out during this financial year of 2018-19 (Till Sep'18).</p>	

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
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Sr. No.	Conditions	Compliance Status as on 30-09-2018
	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.	Complied. Please refer point no. 62 for details regarding the same.
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Already complied. Typical copy of advertisement given in newspaper was submitted as a part of compliance report for the duration of Apr'17 to Sep'17.

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Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018																					
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'17 to Mar'18 was submitted to Regional Office of MoEF&CC @ Bhopal, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and SEIAA, Gandhinagar vide our letter dated 01.05.2018. 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 12.06.2018 to all the 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'15 to Sep'15</td><td>30.11.2015</td></tr> <tr> <td>2</td><td>Oct'15 to Mar'16</td><td>30.05.2016</td></tr> <tr> <td>3</td><td>Apr'16 to Sep'16</td><td>01.12.2016</td></tr> <tr> <td>4</td><td>Oct'16 to Mar'17</td><td>30.05.2017</td></tr> <tr> <td>5</td><td>Apr'17 to Sep'17</td><td>01.12.2017</td></tr> <tr> <td>6</td><td>Oct'17 to Mar'18</td><td>29.05.2018</td></tr> </tbody> </table>	Sr. no.	Compliance period	Date of submission	1	Apr'15 to Sep'15	30.11.2015	2	Oct'15 to Mar'16	30.05.2016	3	Apr'16 to Sep'16	01.12.2016	4	Oct'16 to Mar'17	30.05.2017	5	Apr'17 to Sep'17	01.12.2017	6	Oct'17 to Mar'18	29.05.2018
Sr. no.	Compliance period	Date of submission																					
1	Apr'15 to Sep'15	30.11.2015																					
2	Oct'15 to Mar'16	30.05.2016																					
3	Apr'16 to Sep'16	01.12.2016																					
4	Oct'16 to Mar'17	30.05.2017																					
5	Apr'17 to Sep'17	01.12.2017																					
6	Oct'17 to Mar'18	29.05.2018																					
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied.</p> <p>The stipulated norms made by GPCB are followed. All required data regarding to water, hazardous waste emission load and energy consumption are submitted to GPCB by Patrak submission on monthly basis.</p>																					
70	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of project.	Already complied.																					
71	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Point noted.																					
72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate	Point noted.																					

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : Apr'18 To : Sep'18
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2018
	additional conditions, if the same is found necessary. The above conditions will be enforced, interalia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their amendments and rules.	
73	This environmental clearance is valid for five years from the date of issue.	Point noted.

Annexure – 1

Env Cell/MUPL/CETP/EAR/2018/02

Date: 28.06.2018

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

Subject: Submission of Environmental Audit Report of our CETP (MUPL) for the period of 01.10.2017 to 31.03.2018.

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, 2018. Fees for environment audit have already been done through RTGS / NEFT and details of the same are as below.

Name of Industry	:	MPSEZ Utilities Pvt. Ltd. (MUPL)
Address of the Industry	:	S. No. / Plot No. 141 (Part) Village & Taluka: Mundra, Dist: Kutch – 370421.
Activity	:	Common Effluent Treatment Plant (2.5 MLD Capacity)
EC No.	:	SEIAA/GUJ/EC/7(h)/43/2010 dated 20.02.2010
CC&A Order No.	:	AWH-79311 dated 02.06.2016, valid up to 07.04.2021
UTR No.	:	AXISCN0020262226, dated 30.05.2018
Bank Name	:	Axis Bank Ltd.
Total Amount	:	Rs. 20,000/- (INR Twenty Thousand only)
Pay to	:	Gujarat Pollution Control Board, Gandhinagar

Kindly accept and acknowledge the same.

Thanking you.

For, MPSEZ Utilities Pvt. Ltd.


 Authorized Signatory


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

Encl:

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



MPSEZ UTILITIES PRIVATE LIMITED

Adani House, Nr. Mithakhali Six Road, Navrangpura

Ahmedabad 380 009

CIN No: U45209GJ2007PTC051323

Payment Advice	Document	2000000612
Vendor Name GUJARAT POLLUTION CONTROL BOARD	Date	30.05.2018
Vendor Address	Vendor Code	103152
	Posting Doc	
	UTR No	AXISCN0020262226

City KUTCH

Ref No 30.05.2018 MU018

Bank IFSC Code IOBA0001816

Bank A/c No 181602000000073

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	WCT on Contract	Net Amounts
301928	22.05.2018	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 – 2

Env Cell/MUPL/CETP/AR/2018/17

Date: 04.10.2018

To,

Member Secretary,

Gujarat Pollution Control Board,

Paryavaran Bhavan,

Sector-10A,

Gandhinagar-382010.

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

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

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports of Industrial and Sewage effluent received from following units at CETP for the month of September-2018.

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

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

Kindly accept and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Pvt. Ltd.

Authorized Signatory

Cc To:

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

04/10/2018
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010

Analysis Report (CETP Inlet)

M/s Dorf Ketel Speciality Catalyst Pvt. Ltd.

Sep-18

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD	Chloride
				6.5-8.5	2100	800	2000	1000	1000
					mg/l	mg/l	mg/l	mg/l	mg/l
1	01-Sep-18	134073	84	7.5	1600	119	150	50	800
2	02-Sep-18	134157	83	7.4	1400	121	132	44	804
3	03-Sep-18	134240	84	7.6	1500	136	148	49	778
4	04-Sep-18	134324	83	7.7	1200	145	126	42	832
5	05-Sep-18	134407	84	7.1	1700	125	119	39	826
6	06-Sep-18	134491	83	7.2	1400	148	129	43	815
7	07-Sep-18	134574	84	7.3	1600	126	135	45	798
8	08-Sep-18	134658	83	7.5	1600	130	148	49	824
9	09-Sep-18	134741	84	7.8	1600	122	123	41	880
10	10-Sep-18	134825	83	7.2	1600	110	116	38	848
11	11-Sep-18	134908	84	7.3	1600	109	169	56	825
12	12-Sep-18	134992	83	7.4	1600	129	152	51	860
13	13-Sep-18	135075	84	7.3	1600	136	160	53	824
14	14-Sep-18	135159	83	7.4	1500	159	201	67	800
15	15-Sep-18	135242	84	7.4	1700	142	220	73	792
16	16-Sep-18	135326	83	7.5	1600	122	194	65	809
17	17-Sep-18	135409	84	7.6	1700	135	216	72	785
18	18-Sep-18	135493	83	7.7	1700	111	259	86	792
19	19-Sep-18	135576	84	7.9	1600	132	236	79	824
20	20-Sep-18	135660	83	7.5	1500	148	200	67	832
21	21-Sep-18	135743	84	7.8	1600	158	251	84	845
22	22-Sep-18	135827	83	7.8	1600	162	223	74	856
23	23-Sep-18	135910	84	7.7	1700	120	233	78	896
24	24-Sep-18	135994	83	7.6	1600	145	218	73	875
25	25-Sep-18	136077	84	7.9	1700	165	207	69	860
26	26-Sep-18	136161	83	7.5	1600	120	239	78	879
27	27-Sep-18	136244	84	7.4	1600	119	228	76	888
28	28-Sep-18	136328	83	7.5	1200	98	160	53	750
29	29-Sep-18	136411	84	7.3	1300	81	178	56	728
30	30-Sep-18	136495	83	7.6	1400	78	192	64	733
31	01-Oct-18	136578							
			2505						

For


 MPSEZ Utilities Pvt Ltd

Analysis Report (CETP Inlet)

M/s Ahlstrom Fiber Composites India Pvt. Ltd.

Sep-18

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD	Chloride
				6.5-8.5	2100	800	2000	1000	1000
					mg/l	mg/l	mg/l	mg/l	mg/l
1	01-Sep-18	27730	15	7.6	1300	135	240	80	650
2	02-Sep-18	27745	15	7.9	1200	172	234	78	675
3	03-Sep-18	27760	15	7.7	1200	165	221	74	700
4	04-Sep-18	27775	15	7.5	1200	148	259	86	665
5	05-Sep-18	27790	15	7.4	1300	160	297	99	675
6	06-Sep-18	27805	15	7.3	1200	155	265	88	690
7	07-Sep-18	27820	15	7.2	1000	142	248	83	675
8	08-Sep-18	27835	15	7.8	1100	171	301	100	665
9	09-Sep-18	27850	15	7.7	1300	168	320	107	660
10	10-Sep-18	27865	15	7.6	1100	159	290	97	635
11	11-Sep-18	27880	15	7.5	1200	134	330	110	620
12	12-Sep-18	27895	15	7.4	1100	159	338	113	608
13	13-Sep-18	27910	15	7.8	1200	168	311	104	590
14	14-Sep-18	27925	15	7.5	1100	131	301	100	601
15	15-Sep-18	27940	15	7.9	1200	168	318	106	660
16	16-Sep-18	27955	15	8.0	1300	179	229	76	656
17	17-Sep-18	27970	15	8.1	1100	201	265	88	645
18	18-Sep-18	27985	15	7.4	1100	132	259	86	615
19	19-Sep-18	28000	15	7.6	900	105	224	75	635
20	20-Sep-18	28015	15	7.5	1000	118	300	100	640
21	21-Sep-18	28030	15	7.9	1200	170	333	111	659
22	22-Sep-18	28045	15	8.1	1100	163	324	108	668
23	23-Sep-18	28060	15	8.2	1000	156	301	100	672
24	24-Sep-18	28075	15	8.0	1100	189	298	88	626
25	25-Sep-18	28090	15	7.8	1300	201	319	106	634
26	26-Sep-18	28105	15	7.9	1100	197	331	110	620
27	27-Sep-18	28120	15	8.0	1000	180	308	103	645
28	28-Sep-18	28135	15	7.4	900	128	256	85	608
29	29-Sep-18	28150	15	7.6	1400	112	234	78	620
30	30-Sep-18	28165	0	7.7	1300	123	278	93	665
31	01-Oct-18	28165							
			435						

For



 N. P. Rathod

 MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)

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

Sep-18

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100 mg/l	800 mg/l	2000 mg/l	1000 mg/l
1	1-Sep	-	-	-	-	-	-	-
2	2-Sep	-	-	-	-	-	-	-
3	3-Sep	-	-	-	-	-	-	-
4	4-Sep	-	-	-	-	-	-	-
5	5-Sep	-	-	-	-	-	-	-
6	6-Sep	-	-	-	-	-	-	-
7	7-Sep	-	-	7.9	1500	235	460	153
8	8-Sep	-	-	-	-	-	-	-
9	9-Sep	-	-	-	-	-	-	-
10	10-Sep	-	-	-	-	-	-	-
11	11-Sep	-	-	-	-	-	-	-
12	12-Sep	-	-	-	-	-	-	-
13	13-Sep	-	-	-	-	-	-	-
14	14-Sep	-	-	7.8	1600	266	432	144
15	15-Sep	-	-	-	-	-	-	-
16	16-Sep	-	-	-	-	-	-	-
17	17-Sep	-	-	-	-	-	-	-
18	18-Sep	-	-	-	-	-	-	-
19	19-Sep	-	-	-	-	-	-	-
20	20-Sep	-	-	-	-	-	-	-
21	21-Sep	-	-	7.9	1700	256	469	156
22	22-Sep	-	-	-	-	-	-	-
23	23-Sep	-	-	-	-	-	-	-
24	24-Sep	-	-	-	-	-	-	-
25	25-Sep	-	-	-	-	-	-	-
26	26-Sep	-	-	-	-	-	-	-
27	27-Sep	-	-	-	-	-	-	-
28	28-Sep	-	-	7.7	1550	195	390	130
29	29-Sep	-	-	-	-	-	-	-
30	30-Sep	-	-	-	-	-	-	-

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

For



MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)

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

Sep-18

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	1-Sep	-	-	-	-	-	-	-
2	2-Sep	-	-	-	-	-	-	-
3	3-Sep	-	-	-	-	-	-	-
4	4-Sep	-	-	-	-	-	-	-
5	5-Sep	-	-	-	-	-	-	-
6	6-Sep	-	-	-	-	-	-	-
7	7-Sep	-	-	8.3	1700	220	431	143
8	8-Sep	-	-	-	-	-	-	-
9	9-Sep	-	-	-	-	-	-	-
10	10-Sep	-	-	-	-	-	-	-
11	11-Sep	-	-	-	-	-	-	-
12	12-Sep	-	-	-	-	-	-	-
13	13-Sep	-	-	-	-	-	-	-
14	14-Sep	-	-	8.0	1700	289	501	167
15	15-Sep	-	-	-	-	-	-	-
16	16-Sep	-	-	-	-	-	-	-
17	17-Sep	-	-	-	-	-	-	-
18	18-Sep	-	-	-	-	-	-	-
19	19-Sep	-	-	-	-	-	-	-
20	20-Sep	-	-	-	-	-	-	-
21	21-Sep	-	-	8.1	1800	261	492	164
22	22-Sep	-	-	-	-	-	-	-
23	23-Sep	-	-	-	-	-	-	-
24	24-Sep	-	-	-	-	-	-	-
25	25-Sep	-	-	-	-	-	-	-
26	26-Sep	-	-	-	-	-	-	-
27	27-Sep	-	-	-	-	-	-	-
28	28-Sep	-	-	8.2	1700	288	504	168
29	29-Sep	-	-	-	-	-	-	-
30	30-Sep	-	-	-	-	-	-	-

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

For



MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)

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

Sep-18

Sr. No.	DATE	Start rdg.	Diff (KL)	PH	TDS	SS	COD	BOD
				6.5-8.5	2100	800	2000	1000
					mg/l	mg/l	mg/l	mg/l
1	1-Sep	28239.4	31.2	-	-	-	-	-
2	2-Sep	28270.6	36.3	-	-	-	-	-
3	3-Sep	28306.9	45.2	-	-	-	-	-
4	4-Sep	28352.1	46.1	-	-	-	-	-
5	5-Sep	28398.2	48.0	-	-	-	-	-
6	6-Sep	28446.2	25.9	-	-	-	-	-
7	7-Sep	28472.1	27.0	8.3	1700	259	459	153
8	8-Sep	28499.1	21.7	-	-	-	-	-
9	9-Sep	28520.8	137.1	-	-	-	-	-
10	10-Sep	28657.9	61.5	-	-	-	-	-
11	11-Sep	28719.4	40.0	-	-	-	-	-
12	12-Sep	28759.4	64.8	-	-	-	-	-
13	13-Sep	28824.2	83.7	-	-	-	-	-
14	14-Sep	28907.9	37.7	8.0	1600	234	401	133
15	15-Sep	28945.6	75.9	-	-	-	-	-
16	16-Sep	29021.5	37.7	-	-	-	-	-
17	17-Sep	29059.2	68.0	-	-	-	-	-
18	18-Sep	29127.2	67.9	-	-	-	-	-
19	19-Sep	29195.1	72.1	-	-	-	-	-
20	20-Sep	29267.2	73.6	-	-	-	-	-
21	21-Sep	29340.8	47.9	8.2	1800	301	559	186
22	22-Sep	29388.7	31.4	-	-	-	-	-
23	23-Sep	29420.1	45.9	-	-	-	-	-
24	24-Sep	29466.0	89.3	-	-	-	-	-
25	25-Sep	29555.3	47.0	-	-	-	-	-
26	26-Sep	29602.3	86.9	-	-	-	-	-
27	27-Sep	29689.2	74.0	-	-	-	-	-
28	28-Sep	29763.2	79.2	7.9	1500	225	484	161
29	29-Sep	29842.4	56.7	-	-	-	-	-
30	30-Sep	29899.1	38.7	-	-	-	-	-
31	1-Oct	29937.8		-	-	-	-	-
			1698.4					

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

For



MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)
M/s GSPC LNG Ltd.

Sep-18

Sr. No.	Date	Tanker No.	Received in KL	PH	TDS	SS	COD	BOD	Chloride	Remarks
				6.5-8.5	2100 mg/l	800 mg/l	2000 mg/l	1000 mg/l	1000 mg/l	
1	1-Sep	-	-	-	-	-	-	-	-	-
2	2-Sep	-	-	-	-	-	-	-	-	-
3	3-Sep	-	-	-	-	-	-	-	-	-
4	4-Sep	-	-	-	-	-	-	-	-	-
5	5-Sep	-	-	-	-	-	-	-	-	-
6	6-Sep	-	-	-	-	-	-	-	-	-
7	7-Sep	-	-	-	-	-	-	-	-	-
8	8-Sep	-	-	-	-	-	-	-	-	-
9	9-Sep	-	-	-	-	-	-	-	-	-
10	10-Sep	-	-	-	-	-	-	-	-	-
11	11-Sep	-	-	-	-	-	-	-	-	-
12	12-Sep	-	-	-	-	-	-	-	-	-
13	13-Sep	-	-	-	-	-	-	-	-	-
14	14-Sep	-	-	-	-	-	-	-	-	-
15	15-Sep	-	-	-	-	-	-	-	-	-
16	16-Sep	-	-	-	-	-	-	-	-	-
17	17-Sep	-	-	-	-	-	-	-	-	-
18	18-Sep	-	-	-	-	-	-	-	-	-
19	19-Sep	-	-	-	-	-	-	-	-	-
20	20-Sep	-	-	-	-	-	-	-	-	-
21	21-Sep	-	-	-	-	-	-	-	-	-
22	22-Sep	-	-	-	-	-	-	-	-	-
23	23-Sep	-	-	-	-	-	-	-	-	-
24	24-Sep	-	-	-	-	-	-	-	-	-
25	25-Sep	-	-	-	-	-	-	-	-	-
26	26-Sep	-	-	-	-	-	-	-	-	-
27	27-Sep	-	-	-	-	-	-	-	-	-
28	28-Sep	-	-	-	-	-	-	-	-	-
29	29-Sep	-	-	-	-	-	-	-	-	-
30	30-Sep	-	-	-	-	-	-	-	-	-
			0.00							

For

MPSEZ Utilities Pvt Ltd

Annexure – 3

Annexure – 3

Details of Water Consumption (Apr-18 to Sep-18)

Sr. No.	Month	Total water Consumption (KL)	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	Apr – 18	232	62	170
2.	May – 18	182	42	140
3.	June – 18	162	32	130
4.	July – 18	169	35	134
5.	Aug – 18	159	35	124
6.	Sep – 18	160	31	129
	Total	1064	237	827

Collected Quantity of Trade Effluent and Treated Water Discharge

(Apr-18 to Sep-18)

Sr. No.	Month	Effluent collected from member units in KL	Treated water Discharge in KL
1	Apr – 18	4084	4247
2	May – 18	4718	4439
3	June – 18	4786	4268
4	July – 18	4775	5170
5	Aug – 18	5376	4356
6	Sep – 18	5975	5420
Total Quantity		29714	27900
Avg. Quantity per Day		162	152

Annexure – 4

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

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

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR



**BORE HOLE WATER NEAR CETP
TAL: MUNDRA, KUTCH, MUNDRA – 370 421**

**MONITORING PERIOD:
APRIL 2018 TO SEPTEMBER 2018**

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

OHSAS 18001:2007

**RESULTS OF BORE HOLE WATER**

SR. NO	TEST PARAMETERS	UNIT	RESULTS		TEST METHOD
			NEAR CETP MAIN GATE		
			N 22° 48.630' S 069° 42.393'		
			20/04/2018	16/08/2018	
	GPS Location				
	Sampling Date				
	Sampling Time		13:00	9:45	
1	pH	--	7.84	7.9	IS3025(P11)83Re.02
2	Salinity	ppt	3.35	0.7	APHA 2520B
3	Oil & Grease	mg/L	BDL*	BDL*	APHA(22 nd Edi)5520D
4	Hydrocarbon	mg/L	BDL*	BDL*	GC/GC-MS
5	Lead as Pb	mg/L	0.07	0.04	AAS APHA(22 nd Edi)3111 B
6	Arsenic as As	mg/L	BDL*	BDL*	AAS APHA 3114 B
7	Nickel as Ni	mg/L	BDL*	BDL*	AAS APHA(22 nd Edi)3111 B
8	Total Chromium as Cr	mg/L	BDL*	BDL*	AAS 3111B
9	Cadmium as Cd	mg/L	BDL*	BDL*	AAS APHA(22 nd Edi)3111 B
10	Mercury as Hg	mg/L	BDL*	BDL*	AAS APHA- 3112 B
11	Zinc as Zn	mg/L	BDL*	BDL*	AAS APHA(22 nd Edi)3111 B
12	Copper as Cu	mg/L	BDL*	BDL*	AAS APHA(22 nd Edi)3111 B
13	Iron as Fe	mg/L	0.15	0.18	AAS APHA(22 nd Edi)3111 B
14	Insecticides/Pesticides	mg/L	Absent	Absent	GC/GC-MS
15	Depth of Water Level from Ground Level	meter	1.86	1.7	--

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

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

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

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR



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

**MONITORING PERIOD:
APRIL 2018 TO SEPTEMBER 2018**

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,
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RESULT OF CETP OUTLET

SR. NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP OUTLET	TEST METHOD
			April-18	May-18	June-18	July-18	Aug-18	Sep-18		
1	pH	--	7.10	7.35	7.25	7.02	7.06	7.01	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	33	34	33	32	30	31	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	60	50	60	50	60	50	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	34	44	56	65	22	46	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	3.4	5.6	1.4	2.2	3.4	4.6	10	APHA(22 nd Edi)5520D
6	Phenolic Compound	mg/L	BDL*	0.18	0.18	0.25	BDL*	BDL*	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.50	0.60	0.80	0.75	0.6	0.45	2	APHA(22 nd Edi) 4500 F D SPANDS
8	Iron	mg/L	0.044	0.054	0.42	0.18	0.56	0.29	3	AAS APHA(22 nd Edi)3111 B
9	Zinc as Zn	mg/L	0.018	0.016	0.56	0.34	0.44	0.31	15	AAS APHA(22 nd Edi)3111 B
10	Trivalent Chromium	mg/L	BDL*	BDL*	1.10	0.68	0.18	0.24	2	AAS APHA(22 nd Edi)3111 B
11	Sulphide as S	mg/L	0.40	0.80	1.2	1	1.4	1.8	2	APHA(22 nd Edi) 4500-S
12	Ammonical Nitrogen as NH ₃	mg/L	3.4	4.2	3.8	2.8	3.4	2.8	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27°C)	mg/L	24	16	12	20	32	24	100	IS 3025 (P44)1993Re.03Edition 2.1
14	COD	mg/L	72	53	44	65	116	96	250	APHA(22 nd Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	689	649	598	611	629	510	1000	IS3025(P32)88Re.99
16	Sulphate as SO ₄	mg/L	70	60.8	96	72	65	48	1000	APHA(22 nd Edi)4500 SO ₄ E
17	Total Dissolved Solids	mg/L	1440	1492	1196	1064	1074	997	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	0.5	0.5	0.5	0.4	0.3	0.5	1	APHA(22 nd Edi)4500 Cl
19	Copper as Cu	mg/L	0.09	0.012	0.018	0.028	0.016	BDL*	3	AAS APHA(22 nd Edi)3111 B

*Below Detection Limit

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

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RESULT OF AMBIENT AIR QUALITY MONITORING

WTP- NEAR CETP						
Sr.No.	Date of Sampling	Particulate Matter (PM 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	Hydrogen sulphide(H ₂ S) µg/m ³
1	04/04/2018	80.40	49.48	24.62	45.42	BDL*
2	07/04/2018	91.50	53.41	22.46	36.63	BDL*
3	11/04/2018	73.62	38.40	15.15	41.49	BDL*
4	14/04/2018	85.40	46.30	19.60	32.75	BDL*
5	18/04/2018	93.39	51.57	13.24	27.66	BDL*
6	21/04/2018	70.39	42.57	21.53	42.36	BDL*
7	25/04/2018	82.41	35.38	17.64	30.35	BDL*
8	28/04/2018	90.52	45.30	14.34	33.48	BDL*
9	02/05/2018	90.34	51.65	20.56	32.53	BDL*
10	05/05/2018	76.61	34.51	17.41	29.38	BDL*
11	09/05/2018	84.24	48.56	22.49	39.27	BDL*
12	12/05/2018	79.60	36.85	13.75	26.47	BDL*
13	16/05/2018	88.93	45.46	14.54	36.24	BDL*
14	19/05/2018	72.47	33.38	24.38	33.55	BDL*
15	23/05/2018	69.35	28.40	18.52	38.47	BDL*
16	26/05/2018	82.47	37.27	15.43	34.23	BDL*
17	30/05/2018	94.61	54.29	19.51	28.56	BDL*
18	02/06/2018	93.51	48.64	22.37	42.62	BDL*
19	06/06/2018	83.57	38.52	18.66	32.55	BDL*
20	09/06/2018	95.71	54.25	16.43	40.21	BDL*
21	13/06/2018	77.53	34.55	20.44	38.31	BDL*
22	16/06/2018	81.25	44.59	15.67	35.36	BDL*
23	20/06/2018	90.34	50.32	23.42	44.33	BDL*
24	23/06/2018	73.50	40.19	19.50	39.58	BDL*
25	27/06/2018	91.56	55.54	25.38	36.76	BDL*
26	30/06/2018	75.39	31.33	17.53	31.63	BDL*
27	04/07/2018	82.71	36.81	16.42	29.36	BDL*
28	07/07/2018	75.76	39.23	24.23	35.64	BDL*
29	11/07/2018	69.23	30.28	18.63	32.75	BDL*
30	14/07/2018	90.22	52.41	15.62	39.24	BDL*

Continue ...

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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WTP- NEAR CETP						
Sr.No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO ₂) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO ₂) $\mu\text{g}/\text{m}^3$	Hydrogen sulphide(H ₂ S) $\mu\text{g}/\text{m}^3$
31	18/07/2018	60.27	24.76	13.55	33.45	BDL*
32	21/07/2018	87.65	48.56	19.52	42.67	BDL*
33	25/07/2018	84.52	54.38	22.30	36.71	BDL*
34	28/07/2018	76.37	33.21	20.28	38.34	BDL*
35	01/08/2018	76.43	37.68	24.51	39.42	BDL*
36	04/08/2018	82.65	40.28	20.38	45.35	BDL*
37	08/08/2018	90.22	51.28	15.77	34.52	BDL*
38	11/08/2018	87.65	47.64	18.37	29.51	BDL*
39	15/08/2018	64.35	31.29	21.32	37.24	BDL*
40	18/08/2018	74.30	28.57	12.69	25.25	BDL*
41	22/08/2018	88.75	39.27	17.84	31.46	BDL*
42	29/08/2018	73.44	32.75	17.54	21.45	BDL*
43	01/09/2018	86.37	46.84	20.63	32.32	--
44	05/09/2018	68.20	33.46	23.62	40.34	--
45	08/09/2018	82.47	38.69	25.65	44.21	--
46	12/09/2018	77.53	35.59	17.38	36.49	--
47	15/09/2018	91.80	48.69	22.33	39.57	--
48	19/09/2018	75.70	43.54	19.44	33.51	--
49	22/09/2018	66.85	31.20	13.63	28.72	--
50	26/09/2018	80.33	42.54	15.64	24.34	--
51	29/09/2018	93.63	47.56	18.65	35.21	--
TEST METHOD		IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011)	Gravimetric-CPCB - Method (Vol.I,May-2011)	IS:5182(Part II):Improved West and Gaeke	IS:5182(Part VI):Modified Jacob & Hochheiser (NaOH-NaAsO ₂)	IS:5182(Part VII) 1973

*Below detection limit

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

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	04/04/2018	47.50	31.65	5.61	18.24	0.34	BDL*	BDL*
2	07/04/2018	64.62	24.75	8.76	26.75	0.22	BDL*	BDL*
3	11/04/2018	79.48	48.58	9.70	31.30	0.11	BDL*	BDL*
4	14/04/2018	60.29	27.87	11.46	20.79	0.22	BDL*	BDL*
5	18/04/2018	46.53	36.77	7.21	15.56	0.18	BDL*	BDL*
6	21/04/2018	58.58	28.62	13.76	23.68	0.25	BDL*	BDL*
7	25/04/2018	50.61	23.42	15.14	19.46	0.36	BDL*	BDL*
8	28/04/2018	61.51	37.68	10.72	27.36	0.27	BDL*	BDL*
9	02/05/2018	62.48	35.69	6.65	23.53	0.14	BDL*	BDL*
10	05/05/2018	58.77	26.79	10.31	29.41	0.56	BDL*	BDL*
11	09/05/2018	66.81	23.75	14.53	15.67	0.31	BDL*	BDL*
12	12/05/2018	72.59	31.48	9.50	23.62	0.41	BDL*	BDL*
13	16/05/2018	83.50	48.62	11.37	27.75	0.53	BDL*	BDL*
14	19/05/2018	63.40	29.65	17.32	19.20	0.37	BDL*	BDL*
15	23/05/2018	54.20	22.63	12.37	26.39	0.25	BDL*	BDL*
16	26/05/2018	77.59	34.69	5.53	15.64	0.44	BDL*	BDL*
17	30/05/2018	80.63	30.49	13.19	21.26	0.60	BDL*	BDL*
18	02/06/2018	79.66	33.52	14.54	26.83	0.62	BDL*	BDL*
19	06/06/2018	62.42	28.66	12.55	35.41	0.46	BDL*	BDL*
20	09/06/2018	56.70	36.48	10.67	31.52	0.30	BDL*	BDL*
21	13/06/2018	70.65	20.59	13.40	21.54	0.39	BDL*	BDL*
22	16/06/2018	48.60	34.35	8.27	18.42	0.32	BDL*	BDL*
23	20/06/2018	59.50	24.66	18.53	34.68	0.17	BDL*	BDL*
24	23/06/2018	63.46	37.27	11.47	20.55	0.66	BDL*	BDL*
25	27/06/2018	80.45	43.51	6.58	25.37	0.22	BDL*	BDL*
26	30/06/2018	65.65	26.37	15.83	28.56	0.41	BDL*	BDL*
27	04/07/2018	59.32	24.29	9.46	25.61	0.28	BDL*	BDL*
28	07/07/2018	65.65	35.69	13.71	29.58	0.31	BDL*	BDL*
29	11/07/2018	54.20	27.24	7.54	19.24	0.11	BDL*	BDL*
30	14/07/2018	69.61	37.64	11.31	22.25	0.21	BDL*	BDL*

H. T. Shah

Lab Manager



Dr. Arun Bajpai

Lab Manager (Q)

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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 (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 $\mu\text{g}/\text{m}^3$
31	18/07/2018	52.37	22.79	5.47	16.62	0.23	BDL*	BDL*
32	21/07/2018	82.64	49.20	16.22	24.65	0.15	BDL*	BDL*
33	25/07/2018	70.82	33.42	10.41	19.64	0.39	BDL*	BDL*
34	28/07/2018	48.66	20.42	17.69	34.24	0.44	BDL*	BDL*
35	01/08/2018	75.33	34.56	11.84	26.27	0.53	BDL*	BDL*
36	04/08/2018	84.23	44.25	18.61	36.23	0.21	BDL*	BDL*
37	08/08/2018	69.24	29.41	9.49	20.34	0.41	BDL*	BDL*
38	11/08/2018	86.24	36.56	15.65	23.45	0.36	BDL*	BDL*
39	15/08/2018	57.80	18.34	8.35	31.64	0.31	BDL*	BDL*
40	18/08/2018	62.55	25.79	10.35	21.55	0.14	BDL*	BDL*
41	22/08/2018	83.62	30.24	14.54	25.47	0.30	BDL*	BDL*
42	29/08/2018	67.60	28.70	13.34	24.52	0.18	BDL*	BDL*
43	01/09/2018	80.27	41.26	7.50	17.55	0.46	BDL*	BDL*
44	05/09/2018	63.46	30.24	9.55	35.67	0.42	BDL*	BDL*
45	08/09/2018	71.68	38.93	13.53	28.65	0.77	BDL*	BDL*
46	12/09/2018	62.30	33.23	11.45	22.62	0.58	BDL*	BDL*
47	15/09/2018	72.65	37.60	18.29	29.35	0.30	BDL*	BDL*
48	19/09/2018	68.64	40.26	17.24	25.47	0.37	BDL*	BDL*
49	22/09/2018	58.59	28.49	8.66	21.28	0.19	BDL*	BDL*
50	26/09/2018	74.54	31.11	14.56	32.67	0.26	BDL*	BDL*
51	29/09/2018	85.63	36.39	16.37	38.35	0.62	BDL*	BDL*
	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

*Below detection limit

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	CETP					
		Result [dB(A) Leq]					
		11/04/2018	16/05/2018	06/06/2018	04/07/2018	22/08/2018	01/09/2018
1	6:00-7:00	62.4	59.4	62.4	59.3	62.1	61.2
2	7:00-8:00	60.8	62.4	62.9	62.5	60.8	63.8
3	8:00-9:00	63.4	61.7	68.0	67.3	65.9	64.7
4	9:00-10:00	61.9	69.1	65.1	65.4	67.4	67.8
5	10:00-11:00	69.4	70.4	60.4	64.0	64.3	70.4
6	11:00-12:00	65.7	66.1	62.4	65.2	65.6	65.5
7	12:00-13:00	68.4	63.4	65.8	68.3	69.5	63.4
8	13:00-14:00	62.4	61.5	69.1	71.3	65.2	70.2
9	14:00-15:00	60.5	65.2	63.1	65.2	62.1	72.1
10	15:00-16:00	63.4	66.1	61.4	65.8	70.1	68.8
11	16:00-17:00	62.4	68.4	65.2	67.4	63.5	61.2
12	17:00-18:00	63.4	63.4	60.8	66.2	65.2	63.4
13	18:00-19:00	60.7	62.8	69.0	62.7	62.4	68.5
14	19:00-20:00	62.8	65.1	65.3	69.2	68.5	67.0
15	20:00-21:00	68.7	61.2	67.1	65.3	61.5	64.3
16	21:00-22:00	66.1	62.4	62.4	68.3	64.9	63.8
Day Time Limit*		75 dB(A) Leq					

Result of Noise level monitoring [Night Time]

SR. NO.	Name of Location	CETP					
		Result [dB(A) Leq]					
		11/04/2018	16/05/2018	06/06/2018	04/07/2018	22/08/2018	01/09/2018
1	22:00-23:00	63.4	65.4	62.4	67.3	60.4	60.4
2	23:00-00:00	62.7	62.4	62.9	62.1	62.4	62.8
3	00:00-01:00	68.4	61.5	60.4	63.1	58.2	59.4
4	01:00-02:00	61.4	63.4	58.4	60.5	62.5	62.7
5	02:00-03:00	60.8	68.5	55.1	59.3	62.3	61.8
6	03:00-04:00	65.3	65.1	62.4	57.3	65.2	60.9
7	04:00-05:00	62.4	62.4	54.1	62.3	61.2	60.4
8	05:00-06:00	62.4	65.8	56.4	64.2	63.8	62.8
Night Time Limit*		70 dB(A) Leq					

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

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

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

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

SR. NO.	Name of Location	AIR STRIP					
		Result [dB(A) Leq]					
		18/04/2018	23/05/2018	20/06/2018	05/07/2018	29/08/2018	19/09/2018
1	6:00-7:00	55.1	56.1	54.1	56.3	55.1	49.5
2	7:00-8:00	60.4	60.4	56.4	58.3	52.4	47.7
3	8:00-9:00	59.9	65.1	60.4	62.6	62.4	58.5
4	9:00-10:00	63.4	61.2	62.4	67.2	61.5	53.4
5	10:00-11:00	65.1	65.4	59.4	65.3	63.2	59.1
6	11:00-12:00	62.4	64.7	63.4	66.2	62.5	62.4
7	12:00-13:00	60.7	56.4	55.8	59.2	69.5	63.1
8	13:00-14:00	68.4	59.8	57.1	60.2	65.4	57.3
9	14:00-15:00	63.4	60.8	63.4	67.2	64.8	52.1
10	15:00-16:00	61.5	60.7	62.4	65.3	66.2	56.4
11	16:00-17:00	65.6	57.1	61.8	57.2	62.4	64.8
12	17:00-18:00	66.1	59.4	65.1	62.1	63.5	58.8
13	18:00-19:00	63.4	60.1	62.5	60.2	66.1	60.0
14	19:00-20:00	61.5	63.1	58.4	57.3	68.4	58.4
15	20:00-21:00	62.8	59.8	55.4	59.2	65.8	65.2
16	21:00-22:00	66.1	56.1	62.4	62.7	61.7	63.3
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]					
		18/04/2018	23/05/2018	20/06/2018	05/07/2018	29/08/2018	19/09/2018
1	22:00-23:00	63.1	55.1	56.4	56.3	56.4	55.7
2	23:00-00:00	60.4	52.4	60.1	59.2	52.4	59.4
3	00:00-01:00	58.4	55.8	49.2	62.4	46.6	56.1
4	01:00-02:00	55.7	58.4	51.8	54.2	48.1	60.8
5	02:00-03:00	52.4	60.4	56.1	51.3	48.7	62.8
6	03:00-04:00	51.4	59.4	52.4	50.3	53.4	57.1
7	04:00-05:00	56.1	57.4	59.4	47.2	55.6	53.8
8	05:00-06:00	60.4	62.4	62.4	53.2	58.8	59.7
Night Time Limit*		70 dB(A) Leq					

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

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
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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	Hydrogen Sulphide as H_2S ($\mu\text{g}/\text{m}^3$)	6

Water parameter(mg/L)		
Sr. No.	Test parameter	MDL
1	pH	2
2	Temperature	2
3	Colour	2
4	Total Suspended Solids	2
5	Oil & Grease	2
6	Phenolic Compound	0.005
7	Fluorides	0.05
8	Iron	0.01
9	Zinc as Zn	0.05
10	Trivalent Chromium	0.05
11	Sulphide as S	0.1
12	Ammonical Nitrogen as NH_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	0.2
19	Copper as Cu	0.01

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



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

POLLUCON LABORATORIES PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

5/6 "Pollucon House", Old Shantinath Mill Lane, Navjivan Circle, Udhana Magdalla Road, Surat, Gujarat

in the field of

TESTING

Certificate Number TC-5945 (In lieu of T-0821 & T-0820)

Issue Date 28/05/2017



Valid Until 27/05/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

Anil Relia
Chief Executive Officer
45

भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 1357]

नई दिल्ली, शुक्रवार, जून 3, 2016/ज्येष्ठ 13, 1938

No. 1357]

NEW DELHI, FRIDAY, JUNE 3, 2016/JYAISTHA 13, 1938

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 2 जून, 2016

का.आ. 1953(अ).—केन्द्रीय सरकार के साथ पठित पर्यावरण (संरक्षण) नियम, 1986 के नियम 10 पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 12 की उपधारा (1) के खंड (ख) और धारा 13 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए और भारत सरकार के तत्कालीन पर्यावरण और वन मंत्रालय की अधिसूचना सं. का.आ. 1174(अ), तारीख 18 जुलाई, 2007 में निम्नलिखित संशोधन और करती है, अर्थात् :—

उक्त अधिसूचना में सलन तालिका में,—

(क) क्रम संख्यांक 5, 9, 13 से 15, 20, 79, 80 और 83 से 85 तथा उससे संबंधित प्रविष्टियों के स्थान पर निम्नलिखित क्रमशः क्रम संख्यांक और प्रविष्टियां रखी जाएंगी, अर्थात् :—

(1)	(2)	(3)	(4)
*5	मैसर्स विमता लैब्स लिमिटेड 142 आई डी ए, फेस - 2, चेरालापलई, हैदराबाद, आंध्रप्रदेश-500051	(1) डा. सुब्बा रेड्डी मालामपति, (2) श्री एस वी श्रीनिवास रेड्डी, (3) श्री अरनूरी चन्ना रमेश कुमार	02.06.2016 से 01.06.2021
14	मैसर्स अश्वमेध इंजीनियर्स एंड कंसल्टेंट, सर्वे न. 102, प्लॉट सं. 26, बडाला पार्थाडी रोड, इंदिरा नगर, नासिक, महाराष्ट्र - 422009	(1) सुश्री अर्पणा सुनील फारंडे, (2) सुश्री शाह शुभांगी प्रकाश कांबले (3) श्री निनाद अरविंद साउदानकर	02.06.2016 से 01.06.2021
20	मैसर्स पोलूकोन लेबोरेटरीस प्रा. लि., 544, बेलिजयम टावरस, रिंग रोड, लिनियर बस स्टैंड के पीछे, सूरत, गुजरात-395006	(1) डा. अरुण कुमार बाजपेई (2) श्री देवांग मधुकर गांधी (3) श्री दर्शल मधुकर गांधी	02.06.2016 से 01.06.2021
84	मैसर्स डेटाक्स कोरपोरेशन प्रा. लि., 3 तल, के जी चैबरस, गुजरात समाचार प्रेस के पीछे, रिंग रोड, सूरत, गुजरात - 395002	(1) श्री अमीत बल कृष्णा रिनोस (2) श्री खासाकिया जितेंद्र कुमार दाहयाभाई (3) सुश्री दिव्यालक्ष्मी आर पटेल	02.06.2016 से 01.06.2021

Annexure – 5



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

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

Sample ID:242013 - Analysis Completion:21/09/2018

**Common treatment and disposal facilities(CETP, TSDF, Ewaste
recycling, CBMWTF, effluent conveyance project, incinerator,
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :
4788**

TEST REPORT

Test Report No. : 4788

Date: 22/09/2018

- | | |
|---|--|
| 1. Name of the Customer | : Mpsez Utilities Pvt. Ltd.(Mupl) - 10605 |
| 2. Address | : SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. MUNDRA |
| 3. Nature of Sample | : REP-Representative/Grab, (Insp Type : ROU-Routine Visit) |
| 4. Sample Collected By | : R.H.JIVANI,SO |
| 5. Quantity of Sample Received | : 5 Ltr |
| 6. Code No. of the Sample | : 242013 |
| 7. Date & Time of Collection & Inwarding | : 06/09/2018 , (1245 to 1247) & 08/09/2018 |
| 8. Date of Start & Completion of Analysis | : 08/09/2018 & 21/09/2018 |
| 9. Sampling Point | : P-Collection Tank ~ Final inlet of CETP |
| 10. Flow Details (Remarks) | : - |
| 11. Mode of Disposal | : In to CETP for treatment |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : 29 & pH Range on pH Strip :@ 7-8 on PH strip |
| 14. Carboys Nos for | : W-1 & Color & Appearance :Gray |
| 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	29
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.31
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	20
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Methoc	10 – 200000 mg/L	1332
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Methoc	2 – 10000 mg/L	24
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	39.2
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	83.87
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	620
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	70
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	71
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.2
12	Phenolic Compounds	mg/l	4 Amino Antipyrene 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	0.3
14	Sulphide	mg/l	APHA (22nd Edi.)4500-s2-F –iodometric Method	1-500.0 mg/l	0.67
15	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.085
16	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.007
17	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	0.0
18	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
19	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	28

Laboratory Remarks : Freeze By:682-ae_682 Dt.: 22/09/2018



Dr. S. N. Agravat, Lab Head

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 amended by Second and Third amendment 1993 for Effluents
8. Physicochemical and microbiological parameters, Std. Methods for Water and Waste Water- 22nd Edition by APHA.
9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.



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

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

Sample ID:242014 - Analysis Completion:21/09/2018

**Common treatment and disposal facilities(CETP, TSDF, Ewaste
recycling, CBMWTF, effluent conveyance project, incinerator,
solvent/acid recovery plant, MSW sanitary landfill site) / LAB Inward :
4789**

TEST REPORT

Test Report No. : 4789

Date: 22/09/2018

- | | |
|---|--|
| 1. Name of the Customer | : Mpsez Utilities Pvt. Ltd.(Mupl) - 10605 |
| 2. Address | : SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. MUNDRA |
| 3. Nature of Sample | : REP-Representative/Grab, (Insp Type : ROU-Routine Visit) |
| 4. Sample Collected By | : R.H.JIVANI,SO |
| 5. Quantity of Sample Received | : 5 Ltr |
| 6. Code No. of the Sample | : 242014 |
| 7. Date & Time of Collection & Inwarding | : 06/09/2018 , (1255 to 1257) & 08/09/2018 |
| 8. Date of Start & Completion of Analysis | : 08/09/2018 & 21/09/2018 |
| 9. Sampling Point | : ## Final Outlet of the ETP ~ Final outlet of CETP |
| 10. Flow Details (Remarks) | : - |
| 11. Mode of Disposal | : On land for plantation |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : 29 & pH Range on pH Strip :@ 7-8 on ph strip |
| 14. Carboys Nos for | : W-2 & 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	29
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	6.9
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 Methoc	10 – 200000 mg/L	1224
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Methoc	2 – 10000 mg/L	16
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	21.28
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	98.05
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	600
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	74
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	43
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	0.4
12	Phenolic Compounds	mg/l	4 Amino Antipyrene 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	0.8
14	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.009
15	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.007
16	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	0.0
17	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
18	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	17

Laboratory Remarks : Freeze By:682-ae_682 Dt.: 22/09/2018



Dr. S. N. Agravat, Lab Head

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 amended by Second and Third amendment 1993 for Effluents
8. Physicochemical and microbiological parameters, Std. Methods for Water and Waste Water- 22nd Edition by APHA.
9. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

Annexure – 6

MPSEZ UTILITIES PVT LTD
Common Effluent Treatment Plant

Date: 30/09/2018

Unit	Time	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	Total running Hrs
MITAP Pump (I & II)				10:00	✓	✓	✓	✓	✓	16:00				6
Sector 5 Pump			9:00	✓	✓	✓	✓	✓	✓	✓	✓	✓	19:00	10
Screen Chamber Mechanism		8:00	8:00											2
Effluent Feed Pump			9:00	✓	✓	✓	12:00							4
Triton Mixer			9:00	✓	✓	✓	12:00							4
Triton Blower			9:00	✓	✓	✓	13:00							5
Neutralisation Blower			9:00	✓	✓	✓	13:00							
Lime Dosing Mixer														
Lime Dosing Pump														2
Alum Dosing Mixer			9:00	✓	✓	✓	12:00							4
Alum Dosing pump			9:00	✓	✓	✓	12:00							4
Poly Electrolyte Dosing Mixer			9:00	✓	✓	✓	12:00							4
Poly Electrolyte Dosing Pump			9:00	✓	✓	✓	13:00							4
Primary Clarifier Mechanism			9:00	✓	✓	✓	✓	✓	✓	✓	✓	18:00		9
Primary Sludge Drain Mixer														
Primary Sludge Drain Pump														
Aeration I Blower														
Aeration II Blower			9:00	✓	✓	✓	✓	✓	✓	✓	✓	18:00		9
Secondary Clarifier			9:00	✓	✓	✓	✓	✓	✓	✓	✓	18:00		9
Sludge Recirculation Pump														
Secondary Sludge Drain Mixer														
Secondary Sludge Drain Pump														
Sludge Thickner Mechanism		8:00	✓	✓	11:00									3
Sludge Thickner Drain Mixer														
Sludge Thickner Drain Pump														
Chlorine Dosing Pump														
Filter Feed Pump			9:00	✓	✓	12:00		14:00	✓	✓	17:00			9

Flow Meter Reading	Initial		Final	Diff. M3/day	Backwash		Chemical Consumption				
					Unit	HRS	Chemical	O/B	Recd.	C/B	Cons
MITAP Line	113942		114046	172	MGF-1		Alum	1700		1692	8
Sector 5 Line	173874		173959	85	ACF-1		Lime	-	-	-	-
Final Outlet (MGF&ACF)	128567		128713	168	MGF-2		Acid - HCL				
Fresh Water Consumption					ACF-2		Poly	121.4		121	0.4
Electrical Meter Reading							Sodium Hypo.	9003		8937	66
Energy Meter of CETP	5391999432		5400174203	385.8							

Remarks :

Operator

Plant Incharge

Annexure – 7

❖ Hazardous Waste Storage Facility



Leachate Collection Facility

Annexure – 8

Details of Greenbelt development at APSEZ, Mundra

	Total Green Zone Detail Till Up to Sep - 2018				
	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	69.43	32480.00	7298.00	68327.00	95019.00
PORT & NON SEZ	78.98	137642.00	18395.00	76666.78	58905.18
SEZ	114.70	227835.00	17302.00	220449.60	27462.03
MITAP	3.47	8622.00	66.00	3340.00	8072.00
WEST PORT	86.04	186827.00	51342.00	24112.00	22854.15
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.25	25530.00	3470.00	3882.00	3327.26
Samudra Township	53.39	44872.00	11818.00	19978.07	35071.67
Productive Farming (Vadala Farm)	23.79	27976.00	0.00	0.00	0.00
TOTAL (APSEZL)	452.98	709028	111023	422155.45	252832.73
		<i>820051</i>			

Annexure – 9

CETP Maintenance Work

Apr'18 to Sep'18

Repairing work of CETP sludge thickener outlet line



2

Repairing work of CETP Sludge drying bed broken line



3

CETP MGF-2 inlet line repairing work done due to heavy leakage.



4

Cleaning of Sludge Collection Sump



5

Modification in Hazardous waste storage area



6

Regular Housekeeping work



7

Cleaning work of CETP online analyzer tank and sensor



8

Cleaning work of CETP Guard pond 2 and online analyzer tank



9

Annexure – 10

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2016 - 17	2017 - 18	2018 - 19 (Till Sep'18)	2018 - 19
1.	Environmental Study / Audit and Consultancy	36.78	9.0	4.6	30.5
2.	Legal & Statutory Expenses	4.76	5.07	0.12	5.7
3.	Environmental Monitoring Services	27.95	27.02	12.5	36.0
4.	Hazardous / Non Hazardous Waste Management & Disposal	12.52	65.62	50.5	84.8
5.	Environment Days Celebration	6.71	2.85	2.21	10.0
6.	Treatment and Disposal of Bio-Medical Waste	1.27	1.13	0.75	1.56
7.	Mangrove Plantation, Monitoring & Conservation	72.38	60.0	Nil	50.0
8.	Other Horticulture Expenses	555.00	547.0	299.0	636.0
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	61.50	70.02	81.67	108.05
10.	Expenditure of Environment Dept. (Apart from above head)	131.83	102.15	64.49	117.29
Total		910.70	889.86	515.84	1079.9

Further year wise breakup of the cost is mentioned in table below:

Year	Environment	Horticulture	Total
2014-15	462.87	380.27	843.14
2015-16	346.23	434.72	780.95
2016-17	355.70	555.00	910.7
2017-18	342.86	547.00	889.86
2018-19 (Till Sep'18)	216.84	299.00	515.84
Total	1724.5	2215.99	3940.49

Annexure – 11



Adani Foundation, Mundra

SIX MONTHLY
REPORT
2018-19



Adani Foundation

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

	CORE AREA	
1	COMMUNITY HEALTH	3
	<ul style="list-style-type: none"> Mobile Van and Rural Clinics Health Card to Senior Citizen Suposhan Support for Medical Aid to Deprived Health Camps Gujrat Adani Institute of Medical Sciences Shakti Raksha Project Arogya Saptah 	
2A	SUSTAINABLE LIVLIHOOD DEVELOPMENT - FISHERFOLK	17
	<ul style="list-style-type: none"> Vidya Deep Yojana Vidya Sahay Yojana – Scholarship Support Machhimar Arogya Yojana Machhimar Kaushalya Vardhan Yojana Machhimar Shudhh Jal Yojana Machhimar Ajivika Uparjan Yojana Solar Tent Dryer Event (Cricket league) Drive for Technology to use in agriculture Food for cattle –Towards Sustainability Women Empowerment Projects Project Savavlanban 	

2

	CORE AREA	
3	EDUCATION	30
	<ul style="list-style-type: none"> Project UTHHAN Praveshotsav and other events Mothers meet UDAAN Adani Vidya Mandir Bhadreswar 	
4	ENVIRONMENT SUSTAINABILITY	39
	<ul style="list-style-type: none"> Sujam Suflam Jal Abhiyan Participatory Ground Water Management Project "Sanrakshan" Project "Drip Irrigation" 	
4	RURAL INFRASTRUCTURE DEVELOPMENT	46
5	ADANI SKILL DEVELOPMENT CENTRE	48
6	SWACHHAGRAHA	52
7	EVENTS	53
8	CASE LEADS	57
9	BENEFICIARIES DETAIL	61
10	BUDGET UTILIZATION	64
9	MEDIA NOTE	64

Mobile Dispensaries & Rural Clinics

The population of Mundra block is spread over various villages. Due to inadequate transportation facilities, the villagers have to face many hardships even for reaching to the doctor in case of common diseases. The medical expenses and zero earning per day add surplus to their hardships.

To help them in the above mentioned health related problems, the service of mobile medical van has been started by the Adani Foundation in Mundra block. In big villages, rural dispensaries have been started considering their population and area.

The Adani Foundation runs two mobile health care units. Main objective of Mobile Van is to reduce travel time, hardships and expenses. Two mobile health care units cover 34 villages and 05 fishermen settlements. Around 113 types of general and life saving medicines are available in these units. It has turned out to be a boon for women and children as the service is availed at their door - step.

MHCU Month wise Data-2018/19		
1	April	1508
2	May	1397
3	June	1236
4	July	1523
5	Aug.	1512
6	Sep.	1796
	Total	8972



4

Adani Foundation has pioneered several innovations under its Health Programme in Mundra, Kutch. These innovations comprise of new methodologies to address the different aspects of health needs among the most marginalized communities, especially Malnourished Children, Women and Senior Citizens.

Committed to "Health for All" the Foundation runs Mobile Health Care Units, Rural Clinics, Special Innovative Projects i.e. Health Card to Senior Citizens, Fighting to Malnourishment Suposhan" Project, Dialysis Project and Variety of Health Related Camps.

3



Community Health

Village wise OPD Data-2018/19

1	Tunda wandh	699
2	Siracha	1928
3	Navinal	896
4	Luni	3283
5	Vadala	503
6	Bhadreswar	716
7	Labour colony	53
8	Tunda	394
9	Tuna anjar	135
10	Wandi	780
11	Rampar	292
12	Tragadi Bandar	428
13	Rangoli	378
	Total	10485

The Adani Foundation operates Rural Dispensaries in 08 villages of Mundra block, 03 villages of Anjar block and 01 village of Mandvi block along with one at Rangoli gate. At these dispensaries, health services are provided free of charge for two hours daily by a doctor and a volunteer.



5

60



Details of transaction		
1	April	828
2	May	840
3	June	809
4	July	962
5	Aug.	836
6	Sep.	862
Total		5137

Health Cards to Senior Citizens

The major junctures of human life are - childhood, adulthood and old age. The first phase is well looked after by the parents and second phase is of self-reliant but the last phase is a dependent one. The needs of old people are less looked after. When people become old, they start living a life of aloofness and solitude. Therefore, the Adani Foundation has started the Adani Health Programme for the aged to look after their health. To address the health care issues related to ageing, AF launched a 3 year long pilot project – 'Adani Vadii Swasthya Yojna' on 20th February 2011 at Mundra and further extended the same for the next three years i.e. up to 2017. Under this Programme, the individuals aged 60 years and above are benefitted. Health Cards are issued to them with the purpose of providing adequate and timely treatment. The families consisting of aged ones with a yearly income of Rs. 2 lacs or more get a Blue Card. The Blue Card holders can avail diagnosis facility and treatment at a subsidized rate in the Adani hospitals, Mundra. The families with a yearly income of less than Rs. 2 lacs are issued a Green Card. Green Card holder aged people get treatment for illness in Adani hospitals, Mundra with an aid up to the limit of Rs. 50,000/- within a period of 3 years.

During the six months 2018-19, total 5137 transactions were done by 8518 card holders of 66 villages of Mundra Taluka. They received cash less medical services under this project. In Green Card category, 6139 aged people got treated for various illness & diseases at Adani hospitals, Mundra with an aid up to a limit of Rs. 50,000/- within the period of 3 years.

The 763 Blue Card Holders can avail diagnosis facility and treatment at a subsidized rate in the Adani hospitals, Mundra. Scheme is continue since seven years. The third phase of this scheme was started in last year. The limit for the beneficiary was set to 30000/- within a period of 3 years. the senior citizens get emergency medical care at Adani Hospital, Mundra and they are referred to GAIMS

6

Implementation Strategy

Base line data was provided for Mundra Taluka in initial phase of Project.

Total Number Anganwadi in the selected area

- ❖ Information on Sub-centers/ Primary Health Centers/ Community Health centers/ Referral Hospitals
- ❖ •Availability of Healthy worker- male & female both, ANMs, LHVs, Doctors, specialists such as Gynecologist, Pediatricians, Pharmacist, Dietician Lab. Technician, Nursing Staff etc. at above centers (Number & names with contact details)
- ❖ Selected areas' Birth rate, Death rate, Infant Mortality Rate, Mother Mortality Rate, Sex ratio, Child Sex ratio against district, state and national average
- ❖ Total number of beneficiaries and against that enrolled beneficiaries at Anganwadi/ICDS: 0-6 year children, Adolescent girls, pregnant women and lactating mothers
- ❖ Identified malnourished and anemia children/ adolescent girls and women (numbers & name as well as current level of malnutrition & anemia with dates- Base Line data)
- ❖ Current Inputs provided through the Government machineries
- ❖ Other services available through CBOs, NGOs etc.- Details of inputs and contact details of those organizations
- ❖ Understanding & Listing of area specific cultural and behavioral barriers

Role and Responsibility of Adani Foundation

Health Checkup camp

- Awareness activity : Focused Group Discussion
- Capacity Building of Sangini
- Home visit
- Health related sessions
- Financial support provide for better treatment
- Doctor services provided (Pediatric, Gynec, Dietitian)
- AF provides Nutritional Food Support



8

Suposhan

Malnutrition amongst Children, Adolescent girls and Women in India is an alarming phenomenon. (In India: 48 % or 54 million children under-five years were stunted. India accounted for 33 %of stunted children in the world. As per Global Nutrition Report released recently, Children below five years- 38.7 % Stunted and 15.1%are wasted. 69.5% children6-59 months old, 55.8% adolescent girls aged 15-18 years, 55.3% women aged 15-49 years have Anemia. Moreover anemia prevalence in pregnant women is as high as 58.7%) Curbing Malnutrition was part of Millennium Development Goals and again focused through second and third Sustainable Development Goals on Zero hunger and Good Health & Wellbeing respectively.

During this half year, anthropometry study done for 2020 children. Total 6 children became free of malnutrition due to efforts under "Suposhan" Project. Additionally, 6288 FGD were conducted during this year.

Total 8770 hemoglobin screenings of RPA woman and adolescent girls was carried out. Which helps in controlling anemia in women and indirectly malnutrition.



7

Suposhan Saptah



The birth of a healthy newborn child is determined by the health of the mother. Mother's health, in turn, has its basis on her health status during adolescence. The health of a society, as a whole, thus depends on the health of the women, in all stages of their lives. Adani Foundation acknowledges this field of health and aims to address women's health, through their entire life cycle. These efforts have culminated in Project Suposhan, Adani Foundation Health initiative. Project aims to generate awareness in communities and facilitate the strengthening of the health systems and healthcare delivery platforms, with a specific focus on the mother and child. Project focuses on increasing health literacy in communities for mothers, child and adolescent health services through trained community health workers (Sangini), creating effective referral linkages to higher services. SuPoshan "Food Guidance Week" celebration systematized in all 61 villages in Mundra Taluka from 13th Nov – 20th Nov. Suposhan Food competition was organized in coordination with ICDS block and Supervisors, Sarpanch, ASHA workers and women leaders. The reason behind celebrating "Suposhan Food Guidance Week" is to make people aware about the importance of nourishment so that everyone is able to live healthy life. It involves community by · The importance of Nutrition and Balanced Diet · Importance of locally available food. · Preparing own variety nutritious dishes, · Folk songs on nutritious, · Slogans with actions, · Spreading awareness on different schemes, · Vaccination · Kitchen garden and · Exclusive Beast Feeding

9

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Support for Medical Aid to Deprived

The scope of the organization extended up to providing best health care facilities to the needy, poor, challenged and not so well-to-do families for the treatment of illness and diseases. It is not always possible to predict the medical expenses. Moreover, those who are economically not so sound, become indebted for lifetime in case of certain illnesses. Therefore, Adani Foundation provides primary health care and financial assistance for ailments such as kidney related problems, paralysis, cancerous and tumor surgeries, neurological and heart problems, blood pressure, diabetes etc.

During six months, month we organized two medical examination camps in which Medical Support was given to 485 People from Mundra, Bhadreswar, Zarpara, Shekhadia Nana Mota Kapaya, Bhujpur, Vadala, Wandl and other villages under our work area.



10



Medical Supports		
1	April	103
2	May	65
3	June	54
4	July	65
5	Aug.	97
6	Sep.	101
Total		485

Gujarat Adani Institute of Medical Sciences

Gujarat Adani Institute of Medical Science is the first Medical College of Kutch region. It started in partnership with Adani Group and Government of Gujarat in the year 2009. This college was affiliated by the Medical council of India in the year 2014 for the MBBS with 150 seats per year. Gujarat Adani Institute of Medical Science is affiliate with the first digital university "Krantiguru Shyamji Krishna Verma Kutch University". In GAIMS, currently 750 students are studying, The GAIMS Medical College is situated in heart of Bhuj city on a large plot of 27 acres.

A teaching hospital (G K General Hospital) with 700 beds is established with GAIMS in which patients of Kutch are getting subsidized medical facilities. The Hostel facility is also available for the students in the campus only. The accommodation facility is given to the staff of GAIMS.



12

Health Camps

Various health camps are organized at regular intervals to meet the specific requirements of the community. Screening camps are organized regularly as per the route map planned in coordination with Adani Hospitals. During the year 2018-19, 11 Specialty camps were organized and 1636 Patients were benefitted.



General Health Camp & Surgical Camp					
Sr.no.	Month	Date	Place	Villages Name	Total Patients
1	Apr-18	28.04 to 29.04.2018	Jat Malek Muslim & Maheshari Samuha Sadi At Mundra	Mundra	178
2	Jun-18	26.06.2018	Malaria Camp Sukhpar Mundra	Mundra	36
3	Jul-18	17.07.2018	Karva E Mustfa Hospital Health Camp	Mundra	50
4	Jul-18	21.07.2018	Mahesh Nagar Primary School	Mundra	190
5	Jul-18	30.06.2018	Muslim Jamat Samuh Sadi, Luni	Luni	40
6	Aug-18	11.08.2018	Rotary Hall, Mundra Surgical Mega Camp	Mundra	185
7	Aug-18	28.08.2018	Mithani Labour colony Health camp	Dhrub	80
8	Sep-18	22.09.2018	Shri Swaminarayan Mandir-Baroi Boad	Baroi	191
9	Sep-18	24.09.2018	Mithani Labour colony Health camp	Dhrub	105
10	Sep-18	26.09.2018	Jain Derasar, Oshwal Seri	Mundra	56
11	Oct-18	02.10.2018	Bava Gor Pir Uras Luni	Luni	525
Total...					1636

11

Urinary stone – Dialysis Treatment

Drinking water of Mundra contains high Fluoride (amount of salt). Hence, the proportion of patients with urinary stone and kidney failure is more. A project for patients who need dialysis is thus initiated so that the poor patients can receive the treatment at subsidized rates in the nearby, well-equipped hospitals. The main objective of providing dialysis treatment is to help the extremely needy patients to live a healthy life. Total 3 Patients were being supported for regular dialysis (twice in a week) by participatory approach.



Mpw's Village Meeting			
Sr. No	Month	C.M. Meeting	MPW Meeting
1	April	0	0
2	May	7	18
3	June	6	13
4	July	5	12
5	August	4	16
6	September	3	11
Total		25	70

Death Body Van Data		
Sr. No	Month	No. of Death Body
1	April	34
2	May	55
3	June	42
4	July	46
5	August	30
6	September	50
Total		257

• Adani Foundation Team has initiated coordination with GKGH hospital since 2014 and established a reception area for the smooth patient coordination and preparation for the social networking program.

• Adani Foundation organized General Health Camps and Specialty Camps in various interior villages of Kutch in coordination with GKGH which created magical impact and benefitted 3335 patients. Adani Foundation Bhuj Health team has also organized more than ten awareness camps and village level meetings at 293 villages of Kutch regarding services of GKGH.

• Dead body medical van – Dignity to death is one of the noble initiatives taken up by the Adani Foundation. If any death occurs in GKGH, dead bodies are shifted to the native village of the concerned in the Kutch District free of cost. Total 257 dead bodies privileged till now to different locations in Kutch.

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Shakti Raksha – Preventive and Curative Breast and Survival Cancer

Adani hospital Mundra, Taluka health office, Indian Red Cross society and Adani foundation has initiated Shakti Raksha Project in which special gynecologist camp for detection of breast n survival camp and thalassemia testing for pregnant women at CHC MUNDRA. In first phase we have covered all PHC and susceptible cases has been referred for pep test and mammogram at GKGH, Bhuj.

In this project we have covered 103 villages of Mundra and Bhuj this year with curative measures. Most medicine will be provided by Taluka health office.

We have covered total 569 patients and 106 cases were referred to GKGH Bhuj. In which one case diagnosed with breast lump (not malignant).



Brest & Cervical Cancer screening and Thalassemia testing camp						
Sr. No	Date	Place	Gynec	Thalassemia testing	Total Beneficiary	Referred Patients
1	09-06-2018	Mundra CHC	62	34	118	25
2	12-06-2018	Zarpara PHC	26	6	32	5
3	14-06-2018	Moti Bhujpur PHC	54	15	86	18
4	21-06-2018	Mota Kandagara PHC	42	11	53	10
5	25-06-2018	Nani Tumbadi PHC	55	14	69	12
6	28-06-2018	Vanki PHC	48	7	55	8
7	03-07-2018	Ratadiya PHC	79	11	90	17
8	05-07-2018	Bhadreshwar PHC	52	14	66	11
Total			418	112	569	106

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Arogya Saptah (8th – 14th August 2018)

Adani foundation, Adani Hospital and GAIMS have Jointly Celebrated "Arogya Saptah" 8th to 14th August-2018 in Respect of 72th Independence of our country. Celebration included multi specialty camps, Workshops, truckers health check up, surgical camp on foundation day and adolescent fair at different part of district. Collector, DDO, Minister, MLA and other dignitaries from NGOs had remained present. Objective of the program was to avail health benefits at GKGH and also at Adani Hospital Mundra and Approximately 4500 people will be direct beneficiaries of the program.

Day	Date	Event Name	Detail about Event	Beneficiaries
1	8 th August 2018	Specialty Mega Camp	Specialist doctors i.e. Gynaecologist, Paediatrician, Nephrologists and general surgeon from GKGH had extended their services.	218
2	9 th August 2018	Cervical/Brest cancer Screening & Awareness camp	In SOS gada village screening camp organize with preventive awareness session. 17 women critically suggested for further check up at GKGH.	113
3	10 th August 2018	Haemoglobin Testing camp	Haemoglobin testing and awareness for de warming of 917 adolescent girls at Rapar village.	917
4	11 th August 2018	1. Surgical Mega Camp, Mundra 2. Roa accident Awareness programme, Nakhtrana	1. Specialist Doctors from Adani hospital Mundra and Medical officers of Adani foundation had extended their services. 2. On occasion of Adani foundation ay session for Road accident awareness and safety including primary health check up camp was organized at Nakhtrana.	223 172
5	12 th August 2018	Class-4 Staff CPR and first aid training	Class-4 Staff CPR and first aid training was organize in campus of G K general hospital for capacity building of staff and their motivation.	181
6	13 th August 2018	Adolescent fair, Gadhashisha	Adolescent fair was organized at Gadhashisha high school in which lady gynaecologist had cleared doubts of the adolescent girls and given information.	170
7	14 th August 2018	Asha Worker workshop	Capacity building workshop was organized for ASHA workers of urban and rural bhuj.	150

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Glimpse of Arogya Saptah



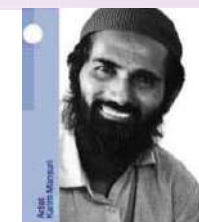
16

Empowering lives and broadening their scope for economic opportunities, Adani Foundation's initiatives introduced under '**Sustainable Livelihood Development Program**', have been founded on community based approaches.

Under this programme, we associated our self with Fisherman community, Farmers and Women groups.

Adani Ports and SEZ Limited started its business in 1996. When APSEZ started port operations, fishing community was found deprived and in a perpetual state of poverty. They were living a scattered life. Unavailability of roads, pure drinking water and unhygienic living conditions had made their lives tragic and miserable. We thought we could not achieve our goal of development unless and until we support them to uplift the living standard of the people of this community. After inception of CSR arm of the Adani Group – Adani Foundation in 1996, a strategy based on priorities and continuous and comprehensive socio-economic development and reforms for the fishing community was planned.

With the Foremost objective to improve living standards of Fisher-folk, Adani Foundation protracted support in Education, Health, Sustainable Livelihood and Rural Infrastructure Development Sectors.



Namda
is a sheep wool felting craft which is one of the oldest crafts of India.

There is only one artisan currently practicing this craft in Mundra, Gujarat.



SUSTAINABLE LIVELIHOOD DEVELOPMENT PROGRAM

17

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Education

Education is one of the most important stepping stones to bring about a unified development in any community. The Adani Foundation, through its rigorous surveys and assessments, could understand that it was education which should be taken up to bring about a real change in the status of the fisher folk communities. Following are some of the major education initiatives taken up by the foundation:



Balvadi		
Sr.	Village & Bandar	Children
1	Juna bandar	55
2	Luni	25
3	Zapara-Chhacha	28
4	Bavadi bandar	30
Total		138

Vidya Deep Yojana

A great amount of efforts were put in developing school preparedness programmes by empowering 'Balwadis' at Fisher folk settlements. Under the Machhimar Vidya Deep Yojana, Adani Foundation constructed four Balwadis for kids between the age group of 2.5 years to 5 years at different settlements. The programme is inclusive of nutritious food, awareness on health, hygiene, cleanliness, discipline, regularity and development of basic age appropriate concepts.

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Vidya Sahay Yojana- Scholarship Support

Participatory scholarship support for fisherman children studying in SMJ high school Luni and to above 12th standards Students . 80 percentage support given by Adani foundation and 20 percentage support by parents! They willingly agree for the same.. We also encourage them for technical education for good job opportunities.. Total 66 students has been benefitted, among them 51 students from 9 to 12 standard and 15 students from BA,B.ed,LLB. On this occasion more than 300 students & parents were present.



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Machhimar Arogya Yojana

A healthy person can work well and earn for his family. Hence it is necessary to provide medical facilities to cure and prevent them and to provide them the treatment of diseases prevailing among the people specially women; children and elderly person, especially due the lack of balanced nutritious diet.

Mobile Health Care Unit - the mobile dispensaries have been run by the Adani Foundation since 2009. The mobile dispensary is available not only in the Vasahats/Settlements but also near the coast where the fishermen, can avail the facilities as and when needed. **Total average 247 fishermen were benefitted by Mobile Dispensary during last half year.**

1. Apart from this, a number of subsidiary initiatives such as health awareness camps, medical check-ups, etc. are conducted by the Adani Foundation at frequent intervals, to provide the fisher folk community with the much needed and required information and assistance.
2. Medical Financial Support -Adani Foundation has extended financial assistance to more than **73 financially challenged patients** from the Fisher Folk Community in case of medical urgency during this year.
3. Health Card for Senior Citizen Project - This is one of the major and prominent and the most innovative project of the Adani Foundation. Under this scheme Health Cards were given to the to Senior Poverty Stricken Citizens to provide them financial support to combat with their health related needs. The project for the senior citizens is popularly known as **Vadil Swasthya Yojana** and till date **165 senior citizens** from fisher folk community are enrolled in the scheme. Most of them keep these cards in their wallets with other important documents and cards.



20

Machhimar Shudhh Jal Yojana

This scheme of providing potable water has helped in reducing the drudgery of women and contributed largely towards general wellbeing. Water tank platforms have been constructed and tanks have been set up in order to provide clean potable drinking water to the community. Daily **1,18,000** Litres of water is supplied at different settlements.

Potable Water		
Sr.	Vasahat	Total liters/ day
1	Juna Bandar	30,000
2	Luni Bandar	15,000
3	Randh Bandar	25,000
4	Bavadi Bandar	15,000
5	Veera Bandar	10,000
6	Ghavarvaro Bandar	8,000
7	Kutdi Bandar	15,000
Total		1,18,000

Linkages with various Departments

Coordination with coast guard, Marine Department and Fisher folk for smooth Port operations Regular Meetings with fisherman for various innovate technology for fishing

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Machhimar Kaushalya Vardhan Yojana

Apart from providing formal education, special programmes were conducted to enhance youth employability. Based on the need of assessment, a number of trades were introduced by the Adani Skill Development Centre in Mundra, where the fisher folk youth could join and get vocational training for a number of technical and non-technical skills. 20 women took part in Dori work training at Navinal and 19 women took part in Dori work at Juna Bandar.

Sr. No	Course Name	No of Students
1	Dori work, Juna Bandar	19
2	Dori work, Navinal	20
3	Checker Cum RTG Crane Operator	03
Total		42

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Machhimar Ajivika Uparjan Yojana

The 'Ajivika Uparjan Yojana' was implemented to promote and support alternative livelihoods among the Fisher folk communities during the non-fishing months. The Foundation introduced 'Mangrove Nursery Development and Plantation' in the area as an alternate income generating activity for the people of the region. Both men and women received training on Mangrove plantation, moss cleaning, etc. as per requirements. The Foundation provided them with employment equivalent to 5201 man-days. In addition to this, employment worth of 34727 man-days has been provided till date. The Foundation has also supported Pagadiya fishermen as painting laborers by providing them with employment and job in various field.



Innovative Project : Solar Tent Dryer

CIFT (Central Institute of Fisheries Technology) has been conducting a prototype study on Solar tent dryers with improved technology at their head quarters in Kochi, which is expected to be completed within a span of another three months. They may be able to upscale or replicate the technology once the study is completed. In all probability, they will provide the designs for the solar tent dryer for drying Bombay duck and / or Acetous Indicus with financial estimate by the first quarter of next year. Meanwhile the team from the HQ and Veravel centre can visit Mundra region for initial site visit and feasibility studies. CIFT requested our team to visit CIFT HQ at Kochi during coming months to assess the prototype model and understand more on other CIFT developed hybrid dryers



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Fisherman Cricket league

Adani foundation, MUNDRA organized Cricket Tournament " Sixth Adani Premiere League among Fishermen community to promote healthy Sportsmanship and harmonically transparent relationship. The Tournament had been played for 13 days at SVC (Shanti Vihar Cricket Ground) by 6 matches per Days with full of Audience, Total 65 Teams with 780 Fishermen youth were participated with 550Rs. Contribution per teams from Mundra, Anjar and Mandvi Block. The Final Match was played on 9.07.2018 and Pir Saheb (Religious Mentor), Rakshit sir (Executive Director- APSEZ), Dr.A.k Vatsani (Deputy collector ,Bhuj) Mr. Mahesh Dafda (Assistant Director of Fisheries, Bhuj), Mrs. Pankti Shah(Unit CSR Head) ,AF staff and Fishermen Leaders remained present. The Final Match was so interesting and Salaya team becomes winner over Luni Team and more than 1200 Audience from various villages were present. The winner's trophy, Runners-up Trophy, Man of the Series, Man of the Match, Best Baller, and Best Bats-Man Trophy has been given to the Respective Teams and players. The 25000Rs, 15000Rs, 2100Rs, 1100Rs, and 500Rs, 500Rs Prize given to the above Respective Teams and Players from the Teams contribution.



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Adani Foundation puts efforts in Mundra block for consistent betterment in livelihood sector. The organization has carried out remarkable activities in the agricultural and animal husbandry sectors.



Drive for Technology to use in agriculture

- We have initiated Programme for Awareness of Farmers in collaboration with KVK. The outreach is approximate 67 farmers of 5 villages
- The purpose of this project is to initiate village wise integrated agricultural & allied development for sustaining agriculture and socio economic situation of farming community of Mundra block.

Agriculture Programme		
Sr.no	Village Name	Member
1	Zarapara	21
2	Zarapara	15
3	Siracha-	16
4	Navinal	15
		67

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Fodder Cultivation

The organization provides fodder during the time of scarcity and the last 3 months of summer every year. During this period, fodder is regularly sent to every village with the help of the local people. This has given stability to the families who earn their livelihood through animal husbandry.

In order to meet the demand of fodder, the Adani Foundation purchases it from the regional farmers. This gives them fair rates in return.

This year we have given 1,08,000 man fodder worth Rs. 205.00 Lacs approximately.

We have to find out Sustainable Solution for Fodder Cultivation

Fodder is the main issue as rainfall is very less in this region. Adani Foundation is working intensively in direction of fodder sustainability in three ways

- 1.Individual Fodder Cultivation Support – NB21 demonstration – Supported 140 Farmers of Dhrub and Zarpara
- 2.Drip Irrigation support Linkages with Fodder – First phase we will support drip irrigation in 22 villages and this linkages will help to convince them for NB21 at least in one acre land
- 3.Village Level Fodder Cultivation : Participatory Approach
 - (a) Winter crop Cultivation – Support to Individual (Supported for seeds of Makai for 200 acre land)
 - (b) Winter Crop Cultivation – Support to Group of Farmers



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Project Swavlamban

Project Swavlamban Launched with blessings of differently abled people of MUNDRA TALUKA.

Our objective is

- To increase awareness about Government schemes for Divyang people, widows and senior citizens and coordinate them with Social Welfare Department, GoG
- After getting income generation equipment support - Proper training provision to make them self-reliant in true sense!! In launching ceremony, Dy. Collector Kutch, Jilla social welfare officer and TDO MUNDRA will remain present.
- Adani Foundation is playing the role of facilitator in case of tie up with Government Scheme for Widows, Senior Citizens and Handicapped people. The identity cards are issued for the handicapped in coordination with Bhuj Samaj Suraksha Khata which is beneficial for them to get specific kit for their disability type.
- The financial benefit of the senior citizen Yojana is Rs. 500 per month and the widow scheme is of Rs. 1000 per month. Jilla Samaj Suraksha Officer and team remain present every time.



No	Type	Beneficiaries	Financial benefit
1	Disabled	409	10,00,000
2	Widow	92	3,25,000
3	Senior Citizen	32	1,75,000
	Total	533	15,00,000.00



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Women Empowerment Projects Step towards socio economic development

No	Village	Group	Members	Saving Amount	Work
1	Mota Kandagra	Jay Mekran	18	100	Stitching
2	Mota Kandagra	Jay Momai	10	200	Stitching
3	Navinal	Vishwas	14	100	Stitching/Dori
4	Navinal	Chamunda	10	100	Phynayle making
5	Baroi	Adhar	12	100	Perishable items
6	Sadai	Vishwasi	16	100	Dhadki, Frames
7	Shekhadia	Sonal	12	200	Washing Powder
8	Mota Kapaya	Tejasvi	10	100	Eco friendly bags
9	Mundra	Meghdhanushya	18	100	Mud work
			112	1100	

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Women Empowerment Projects

- In Kutch, the situation of women is miserable. Women are totally dependent on male members of family for their needs. Consumption of liquor is one of the main culprits in Kutch. Due to this evil prevalent among men many women are suffering.
- Considering this situation, We have started our training program with two major women's group of Villages near Adani Power and Adani Ports. Both the groups of women (**120 women in total**) successfully completed their training for preparing washing powder, phenyl, liquid for cleaning utensils and hand wash etc.
- We have selected 12 women groups having 10 members each, as per their ability for different work i.e. accounting, banking, leadership, marketing, administration etc.
- As a further step to bring sustainability, we thought to start a shop "Saheli Mahila Gruh Udyog" at Shantivan Colony after discussion with the Administrative Department of Ports and Power regarding the supply of the material, rate etc.



Women Empowerment Projects

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Glimpse of Women Empowerment Projects

SHG Meetings in various Villages regarding record check, Loan, Interest detail also collect information for their hidden Skill.



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Education Initiative of Adani Foundation signed an MoU with Maa Foundation, Vapi and adopted four major projects from them. The list of the projects upto October 2014-15 was:

Project Utthan: Adani foundation has been promoting various educational and human initiatives in education, community health, sustainable livelihood and Rural Infrastructure.

In this context with an aim to enhance the quality of primary education in Kutch district, Adani foundation adopted 17 government school located at Mundra Taluka under the project 'UTTHAN' a drive of quality education.

Adani foundation is expected to achieve visible and measurable important in scholastic area.

Adani foundation will be focusing to bring the positive evidences of change in the personal, behavior and academic development of the students.



Education

Beneficiaries of "Utthan"

- Children of class 1st to 7th standard in 17 government schools will be the beneficiaries of this project

Implementation Partners of "Utthan"

DPEO/TEPO/BRC will provide guidance for implementation and experts will visit on an interval of 6 months to evaluate the project.

Proposed Activities "Utthan"

- Training of Government School Staff
- Reading, Writing and Maths improvement as per Gunotsav Data
- Development of Teaching Learning Material
- English Language
- Role Model Activity in assembly
- Reading Corner Activities
- Monitoring and Evaluation

Implementation Strategy "Utthan"

At school level Utthan Preraks will be the core implementer of the project. Project Officer visits regularly to selected schools to guide and manage the project and report to management. TPEO/BRC will involve in the project evaluation process at the interval of twice in year.

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Objective of "Utthan"

- To improve basic knowledge of Math, Languages, English and Computer among students of Govt. schools.
- To Raise Minimum Level of weak students

Output of "Utthan"

- Increase enrolment ratio of students to 100%
- 100% regular present of students in school
- To improve their arithmetic, reading capacity in various languages, English etc.
- To increase confidence level of students
- Involvement of local community, village leaders and local Govt. through various activities

Outcome of "Utthan"

- Students of class 1th to 7th in government schools will take interest in activity based learning.
- Community and teachers will be positive and satisfy from this education project.
- Increase interest of students in school, they develop knowledge and understand importance of library.
- Education friendly environment development in school as well as in community.

Expected impact of "Utthan"

- Vachan, Ganam and Lekhan strengthening in Priya students
- Education department of Gujarat government will include activity based learning in regular course curriculum.

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Kick Start of "Utthan"

- Participated in 'Teachers day' celebration. Introduced six female members of Utthan sahayak to schools. As a symbol of respect towards teachers Utthan team had given sapling to all 17 schools.
- Out of 1178 students 944 students participated in test, 413 students got more than 50% marks whereas 516 students got less than 50% marks means 44% students got more than 50% marks whereas 55% students got less than 50% marks. 232 students out of 1178 students were absent during the test. Base line for English subject is zero since first time we introduced English as a subject in 1 to 4 grade. Within 15 days of intervention we got remarkable and measurable change in English alphabet writing capability of Utthan students (Grade 1 to 4).
- Navneet English books distribution ' and Plastic free Environment awareness event organized in all 17 schools of Utthan by Adani foundation. One more positive step take by Adani foundation in order to achieve quality education for all " UTTHAN " Schools.



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Project "Utthan" : Guru Vandana

- Guruvandana' Program celebration of teacher's day was organized on 12 November 2018 attended by government dignitaries and our beloved teachers of 106 government primary schools with great enthusiasm.
- Objective of the program conveyed to audience by CSR head Ms.Pankiben.
- It has been said that a healthy mind resides in a healthy body which is why a health checkup is scheduled for all the gurudev (teachers) which included BMI, BP, RBS, HB and vision test done by adani hospital Mundra.
- Followed by a motivational speech by Dr.Darshana Dhodakiya who is the Director of Bhasha Bhavan of Gujarati Subject, Throwing light on the principle that teachers cannot be trained in to be coming a teacher, but they are teachers because they actually are born teachers.
- Soft skill training by Ms.Ridhi Trivedi who is a highly skilled trainer from ASDC and would explain us the importance and need of soft skills. A highly thought provoking drama by students of 'Shekhadiya' school. And last but not the least short and sweet session taken by Mr. Jatin Upadhyay. Throughout the program anchoring is done by Ms. Darshana Shastri and Ms. Jgruti Joshi.
- Achieved one of the objective teachers' capacity building



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Shala Praveshotsav

To motivate children for schooling by providing the welcome kit / education kit and to create conducive children for "joyful learning" Environment for children for Learning during shala Praveshotsav Govt. has wide spread network of 111 Govt. primary schools in total 62 villages of Mundra Taluka, 3 villages of in Anjar taluka and two villages of Mandvi Taluka every year on an average 2550 to 2700 children gets enrolled in 1st std in Taluka For 2018-2019 total 2300 children got enrolled & Adani foundation provided the "Enrollment kit" to all new enrollee in Taluka



Mother's Meet

To motivate parents to maintain regularity of school, health hygiene and cleanliness we scheduled 3 mothers meet per week, which is really beneficial for student's overall growth. We arrange quiz completion for mother's to update their general knowledge.

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Celebration of World Environment Day at High School, Moti Khakhar

- Plantation of 1111 trees in Moti Khakhar high school ground in coordination with forest department : Moti Khakhar is a Village in Mundra Taluka .It is located 19 KM from Mundra. School is constructed in year 2008 and it is with large ground. Principal requested Adani Foundation to support for tree plantation in area. As per size of ground we can plant more than 1000 plants. In addition, Soil condition is also appropriate. Adani Foundation contacted Forest Department for Tree plantation before monsoon and Forest Department supported for 4000 plants. After getting support from Forest Department – Adani Foundation supported for Drip and Fence for protection of plantation. On 5th June 2018, Adani Foundation Mundra planted 1111 trees at Moti Khakhar. Function was scheduled by Gram Panchayat. Mr. Vyas (District Education Officer), Mr. Anjan (DCF, Mundra), Mr. Saxena (COO, APSEZ), AF Team, students of the school and Village leaders remained present



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Project UDAAN

Mundra has created a position for itself by creating capacities in Port Handling, Edible Oil Refining and Power Generation. With a vision to familiarize, educate and inspire the future generation to become successful business leader, engineers, managers and other professionals, the Adani Foundation organizes Education Exposure visits to Mundra for High schools and educational institutes in Various parts of Gujarat. Total 2987 educational institutes has visited and 219410 beneficiaries of the project.



Summary of Six Months for Project "UDAAN"

APRIL -2018 TO SEPTEMBER - 2018

NO.	MONTH	SCHOOL/ COLLEGE	BOYS	GIRLS	TEACHERS	TOTAL
1	Apr -18	27	1381	515	108	2004
2	May -18	31	1107	827	105	2039
3	June - 18	30	1333	579	107	2019
4	July - 18	29	1280	727	116	2123
5	Aug -18	29	1256	770	109	2135
6	Sep - 18	28	1317	606	107	2030
TOTAL		174	7674	4024	652	12350

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Adani Vidya Mandir, Bhadreshwar



Adani Vidya Mandir, a unique Gujarati medium school was started in June 2012 at Bhadreshwar village of Mundra Taluka. The objective behind setting up this school is to provide free education to children of fishermen and economically challenged families. The foundation provides nutritious food to the pupils including breakfast, lunch and snacks every day. Special care is taken to provide high quality education and overall development of children. The children are groomed to go back to their families and communities and be the agents to change.

Class	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1 st	53	40	45	41	38	40	40
2 nd	26	68	46	41	39	37	37
3 rd	27	40	73	45	37	39	39
4 th		39	48	70	44	36	36
5 th			37	46	58	39	39
6 th			37	36	46	58	58
7 th			34	37	35	44	44
8 th			39	34	36	34	34
9 th				38	38	30	30
10 th					23	27	30
Total	106	187	359	387	394	384	387

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SUJLAM SUFLAM JAL ABHIYAN

The state government has announced its 31-day water conservation drive called 'Sujlam Sufalam Jal Abhiyan'. The campaign will be launched on "Gujarat Gaurav Din" on May 1, which is the foundation day of Gujarat state. Moreover, the government aims to revive 32 rivers in the state

Adani Foundation is willingly taking part in this drive and supporting 26 pond deepening at 19 villages of Mundra Taluka.

Inauguration of the Event was held at Nilkanth Mahadev Pond in Gundala Village. Chief Guest of the Event was Mr. Vasantbhai Ahir (Minister of State, Welfare of socially and educationally backward classes) Distinguish guest was Mr. Virendrasinh Jadeja (MLA Mandvi-Mundra) and Mrs. Remya Mohan (Collector, Kutchh) were remained present and motivated for this noble cause

Adani Foundation is working for water conservation with salinity department in construction of 18 check dams as well as more than 20 pond deepening work since 2007.

Adani Foundation got chance to become a part of Sujlam Sufalam Jal Abhiyan. Adani Foundation will make the project successful and support this noble cause.



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The Environment Impact Assessment (EIA) Notification, 2006, issued under the Environment (Protection) Act, 1986, as amended from time to time, prescribes the process for granting prior environment clearance (EC) in respect of cevoain development projects/activities listed out in the Schedule to the Notification.

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

To make connections between human actions and the level of biological diversity found within a habitat and/or ecosystem, today we launch project "Sanrakshan" in coordination with GUIDE. Today MOU has been signed with Dr. Thivakaran - GUIDE for conservation of mangroves spices on coastal belt.



ENVIRONMENT
SUSTAINABILITY

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Under Sujlam Sufalam project Adani Foundation has successfully completed pond deepening work in Mundra & Abdasa Taluka in record time. 26 pond deepening in Mundra and 7 pond deepening in Abdasa accomplished with all parameters calculated. In Mundra taluka 51723 cum excavation work has been done which increase storage capacity of 51 ML.

In Naliya taluka 14550 cum excavation work has been done which increase storage capacity of 15 ML. Total 66 ML storage capacity will be increased.

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PARTICIPATORY GROUND WATER MANAGEMENT

At the turn of millennium, the state watched with growing alarm the steady depletion of its ground water and launched massive drive to achieve water security in Mundra region. As a part of pre monsoon activities with ACT (Arid Communities and Technologies – NGO) we have carried out following work. But, due to negligible rainfall we are not able to find out outcome of this project.



Borana- Artificial bore well recharge –work completed



Mangara- Artificial bore well recharge – work completed



Dhrub- pond deepening work – work completed



Mota kapaya-abanded bore well recharge – work completed

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PROJECT "SANRAKSHAN" - BIODIVERSITY

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

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

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

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

Considering the above-mentioned scenario, the site selection criteria, need for species of high salinity tolerance and studying their natural occurrence in Kachchh becomes critical in ensuring a substantial survival rate of the mangrove species selected to potentially successfully establish a diverse and resilient mangrove community in the Kachchh region.

Furthermore, a highly diverse set of mangrove species will ensure resilience in the face of changing climate and could probably provide as a thriving gene pool and seed bank in the future for the Kachchh region.



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Table 1: NURSERY STATUS AS OF SEPTEMBER 2018

Sr. No.	SPECIES	LOCATION (FROM)	SITE	DATE OF ARRIVAL IN BHUJ	DATE OF SOWING	NO. OF SEED-BAGS ESTABLISHED	NO. OF SEEDS IN EACH BAG	TOTAL NO. OF SEEDS SOWN	APPROX. SURVIVAL RATE TILL DATE
1	<i>Aegiceros corniculatum</i>	Parangipettai		Sept 21	Sept 25	2000	2	4000	
		Kandla							
2	<i>Excoecaria agallocha</i>	Pondicherry		Sept 22	Sept 26	4000	10	40000	
3	<i>Rhizophora apiculata</i>	Machilipatnam		Sept 22	Sept 26	4000	1	4000	
4	<i>Ceriops decantra</i>	Parangipettai		Sept 21	Sept 25				
		Machilipatnam		Sept 22	Sept 26				
5	<i>Bruguiera gymnorrhiza</i>								
6	<i>Xylocarpus moluccensis</i>	Machilipatnam		Sept 22	Sept 26	1360	1	1360	
7	<i>Bruguiera cylindrica</i>	Machilipatnam		Sept 22	Sept 26	1500	1	1500	
8	<i>Ceriops tagal</i>	Jamnagar		Sept 15					

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PROJECT "DRIP IRRIGATION"

• 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.

• Villages of Drip Support

Keeping in view the situation and request comes from community, once again Drip irrigation support is planned in three phase. As a part of first phase, we are considering 22 potential villages. We have put condition that we will support only if they become agree for fodder cultivation at least in one acre



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Building a strong community relationship is the key to progress of Adani Foundation. The programs such as Education, Health and Sustainable livelihood development play a very important role in building this strong relationship with the community. These three programs are incomplete without the inclusion of the Rural Infrastructure Development program.

This year on path of sustainability, we have taken some steps as follows...

Under Dignity of Drivers Project, Adani Foundation has constructed Resting Shed for Drivers entering in SEZ Premises. Total 50 beds are constructed, drinking water and sanitation plus recreational – TV Facilities and will be charged minimum. Adani Foundation has handed over the project to ASSET Department – SEZ as a revenue generation model.

In this ceremony Mr. Avinash Rai (CEO- APSEZ), Mr. Rakshit Shah(Executive Director – APSEZ), Mr. Pritpal Singh (Head – SEZ Operation) and other transporters remained present.

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RURAL INFRASTRUCTURE DEVELOPMENT



Adani Skill Development Centre (ASDC) is playing a pivotal role in implementing sustainable development in the state.

Several miscellaneous industries exist in Kutch district. Adani Skill Development Centre has started a center in Mundra block so that the needs of these industries are fulfilled, the local youth is enrolled in various training / skill courses and the distance between the both is minimized. The objective of this center is to impart different kinds of training to the students of 10th, 12th, college or ITI from surrounding areas. Thus, various employment-oriented trainings are organized to optimize the skills, art and knowledge through proper guidance and direction.

During this six months Total 762 people is given various trainings to enhance socio economic development.

Out of which 227 people are getting employment and average income up to Rs. 6500 per month.

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Adani Skill Development Centre

Work in progress

- Drainage maintenance and other misc works
- Basic infra. Facility in Labour Colony
- Drainage chamber and covers ,wandh village
- Development in common place, Navinal
- Civil works in gadhvi samaj community hall, Navinal
- Civil works in secondary school, Navinal
- Repair of west weir work at zarpara
- Construction of fisherman house, shekhadiya



Labour colony- sanitation work



Driver Rest Shed at North Gate



Cricket pavilion shed, Nani Khakhar



Zarpara- west weir repairing work

Completed works

- Civil and electrical works in HMV driver rest shed
- River and pond cleaning by JCB- Nani khakhar, Zarpara and Baroi
- 26 pond deepening work under SSJA in 19 villages of mundra taluka

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DETAILS OF VARIOUS TRAINING UNDERTAKEN

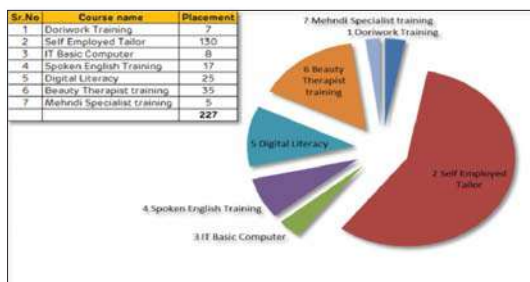
Sr.No	Course name	No.of candidates	Male	Female	Place	Start date	End date
1	Doriwork Training	19	0	19	Juna Bandar	01-04-2018	31-05-2018
2	Doriwork Training	20	0	20	Navinal	01-04-2018	31-05-2018
3	Self Employed Tailor	34	0	34	Tunda	01-04-2018	31-05-2018
4	Self Employed Tailor	15	0	15	Pragpar	10-04-2018	10-06-2018
5	IT Basic Computer	18	14	4	ASDC collage centre	01-05-2018	30-06-2018
6	Spoken English Training	15	8	7	ASDC Collage centre	01-05-2018	30-06-2018
7	Self Employed Tailor	11	0	11	Pragpar	03-05-2018	03-07-2018
8	Self Employed Tailor	33	0	33	Tunda	18-05-2018	20-07-2018
9	Digital Literacy	40	17	23	ASDC Collage centre	04-06-2018	03-07-2018
10	Beauty Therapist training	93	0	93	ASDC Baroi Centre	18-06-2018	17-08-2018
11	Digital Literacy	35	16	19	Tunda	02-07-2018	01-08-2018
12	Digital Literacy	107	53	54	Dhrub	04-07-2018	03-08-2018
13	Self Employed Tailor	33	0	33	Toda	19-07-2018	18-09-2018
14	Self Employed Tailor	16	0	16	Tunda	25-07-2018	24-09-2018
15	Spoken English Training	31	18	13	ASDC collage centre	01-08-2018	30-10-2018
16	Digital Literacy	38	27	11	ASDC Collage centre	08-08-2018	07-09-2018
17	Self Employed Tailor	73	0	73	Rampar	16-08-2018	15-10-2018
18	IT Basic Computer	12	12	0	Adani House	27-08-2018	28-08-2018
19	Beauty Therapist training	97	0	97	ASDC Baroi Centre	04-09-2018	05-11-2018
20	Mehndi Specialist training	22	0	22	ASDC Baroi Centre	04-09-2018	05-11-2018
		762	165	597			

Total fee Collected = 2,42,500/-

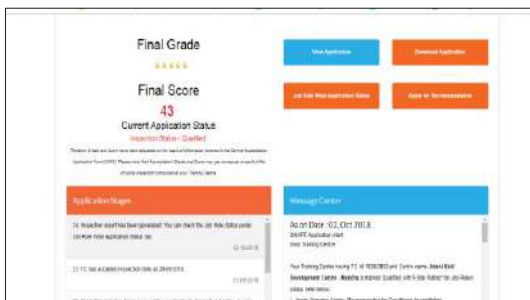
49

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DETAILS OF VARIOUS TRAINING UNDERTAKEN



Adani skill development centre Mundra
Placement figures of ASDC.



Adani skill development centre Mundra is qualified in NSDC with 5 star rating for job role junior crane operator and unarmed security guard.

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SWACHHAGRAHA

Mundra site- Adani Foundation launched Swachhagraha in 4 Blocks of Kutch District (Mundra, Anjar, Gandhidham, Bhuj). The Swachhagraha programme was launched in Bhuj District, Gujarat State with participation of over 450 Schools in Swachhagraha Prerak's Training Workshop with support of District Education Department, Kutch District. The programme was launched by Mrs. Shilin R. Adani, Trustee, Adani Foundation; Mr. Prabhav Joshi - DDO, Kutch Dist; Mr. V.S.Gadhavi, Director, Adani Foundation; Mrs. Sushama Oza, Director, Adani Foundation; Mrs. Ami Rakshit Shah, Adani Public School; Mr. Rakesh Vyas - DEO, Kutch; Mr. Sanjay Parmar - DPEO, Kutch; Dr. Gyaneshwar Rao, Medical Director, GAIMS; Dr. Gurudas Khilani, Dean, GAIMS; Ms Pankti Shah, Unit CSR Head, Mundra on 1st October 2018 at 10.30 AM at GAIMS Auditorium, Bhuj with full day Swachhagraha Training Workshop of Teachers.



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LAUNCHED "SAKSHAM" CENTER AT BAROI GUEST HOUSE

ASDC-Baroi (Mundra):- Adani skill development Center (ASDC) launched 'SAKSHAM' center at Baroi guest house in Mundra on 16th June 2018 to provide skill development training to youth in the Mundra. An initiative of Adani foundation, the center in the Mundra city will benefit about more than 500 candidates every year in Beauty & Wellness course. The center will provide skill development training to the youths in the age group of 14-40years initially in Beauty & Wellness course. Total enrolled for this training were 90 students.



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LAUNCHED "DIGITAL LITERACY" AT UTHHAN VILLAGES

Adani Skill Development center, Mundra has started digital literacy class in local village. 40 girls and boy are participated in first session. All village people are happy for this training in phase. We have also arrange evening batches to cover all people of various village. Digital literacy training done through laptops and Tablets:-

- 1). The course duration is 26 days and number of hours is 52.
- 2). Per day training delivery hour is 2.
- 3). This is completely based on demonstrative and practical training methodologies.
- 4). The delivery is intended to be done through Desktops and Tablets
- 5). Attaching Also cover for payment banking topics .

SWACHHAGRAHA : At Gujrat Adani Institute of Medical Sciences

"Swachhagraha " – Project launched at Adani G K General Hospital to embed values of cleanliness in minds of the staff and community as well. Separate staff member is also appointed by HO team for the same. Mr. Gadhavi had launched swachhagraha by presenting insignia to Dr. Bhadraka (Head, Adani GKGH).



SAMVEDANA : Series of Motivational Sessions

To motivate and felicitate paramedical and nursing staff motivational session was organized with help of Ms. Hiral Pandya which is critical requirement of GKGH. She talked about behavior aspect as well as compassionate approach to patients.

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Swachhagraha Marathon : Run Against Depression

Gujarat Adani Institute of Medical Sciences G K General Hospital and Student Counsel Organized the Bhuj Marathon. Theme of the marathon was Run against Depression and Swachhagraha. Total more than 800 participants took part in this marathon with enthusiasm and zeal.



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International Coastal Clean up Day

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



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Even as a breakthrough is waiting to happen, five trainees were enrolled on Tuesday 5th Dec 17 by Adani Skill Development Centre (ASDC) for the age-old Namda craft, a dying art form of Kutchhh district in Gujarat. First initiative of its kind, the skill development training on Namda is aimed at preparing a future generation of artisans for the historic art form. Adani Foundation, the CSR wing of Adani Group had vowed to save Namda from extinction and bring back its past glory. Originally innovated by an artisan of Mughal Era in the 11th Century India, Namda craft was primarily practiced by the Pinjara and Mansuri communities and Sama Muslims native to Kutchhh. Sans proper encouragement, marketing avenues and promotion, the art suffered a major setback with artisans gradually switching over to other professions for livelihood earning. Till recently, when the Adani Foundation, Mundra team members approached Mansuri Karimbhai Umarbhai, perhaps the sole survivor of the craft in Kutchhh, Namda was dying a natural death. As a good corporate citizen, the Adani Group initiated a move to protect the art form, as well to make it popular and sustainable. The first step towards the enormous goal of reviving Namda, the training programme kicked started with lots of positivity and enthusiasm among the trainees, who are committed to put best efforts for bringing back the past glory for this craft. And the best part of the initiative is that, the Namda survivor himself would train the future-artisans.

GREAT ACHIEVEMENT IS....
KARIM MANSOORI ONCE AN ORDINARY NAMDA ARTISAN IS NOW AN ENTREPRENEUR. THE ADANI FOUNDATION FEELS CONTENTIN REVIVING THE DYING NAMDA ART FORM AND SUPPORTING MANSURI IN STARTING HIS OWN BUSINESS.
HIS JOURNEY IS OFF TO TO A FLYING START AND WE WISH HIM ALL THE BEST.

NAMDA : ON REVIVAL PATH



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New Journey of My Life !!

As if destiny had turned cruel to her, one after another shocks shattered the family life of Shyama Ben. Otherwise a jolly woman with lots of positive energy and great dreams of in her bright eyes, the unexpected miseries compelled her to enter into a state of solitude and high-depression. This villager of Sadau in Mundra locality had 7 times miscarriages, each time giving her a serious emotional blow and ceasing the hope of being a mother. This was not the end; luck had kept something even worst for her. For no fault of this poor lady in the mishaps and destiny doings, her husband left her in the midst of life at a time when she required maximum support from a person who knows her so well and can best understand her pains.

All these pushed Shyama Ben into darkness of life and she became totally cut-off from the social mainstream. This also adversely resulted into her health and mental status. But its well said, "What God Will.....", there was something big which she was destined to achieve in life to define her self-identity and shape the life in a constructive way. With help of neighbor lady she joined SHG Group and capacity building trainings by Adani Foundation. Within six months she took 5 training i.e. capacity building, leadership, banking, federation making and record keeping.

In June 2018 Adani Foundation planned an exposure to SEWA group. After exposure programme of SHG members and could notice certain potentials in her, which led to a new beginning. With required training and skill upgradation, she appeared for an interview in Britannia Industries within the APSEZ, Mundra and got selected for the position of supervisor. Today she is a self-sufficient woman with a earning of Rs 9000/- per month with other allowance for lunch and transportation. The new journey has again given her an opportunity to lead life normal way and start dreaming again to achieve greater things in life.



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Ways to Bright Future !!

Mamad Sakil Osman Ghani Adani Vidya Mandir – Bhadrashwar 'A High Leap by a Poor Child from the Fisher folk Community.....Towards Engineering Studies.....Through Adani Vidya Mandir' 2017-18 Name: Mamad Sakil Osman Ghani Father's Name: Osman Ghani Mother's Name: Halimaben Family: Brother (1) + Sisters (4) & Parents; total 8 members Occupation: Fishing Village: Luni; Taluka: Mundra; District: Kutch In modern times along with its importance, education has also made changes in our lifestyle.

Adani Vidya Mandir, Bhadrashwar, is like a lighthouse giving a ray of hope in remote areas. It was established to provide education to children from socio-economically backward communities. The school provides high-quality education, nutritious food as well other kinds of facilities so that children's self-respect increases through the education. Speaking of students, Mamad Sakil was enrolled in the Std. 7, in 2014-15 in the Adani Vidya Mandir, Bhadrashwar. His father, Osman Ghani, is a fisherman. His family of eight members consists of his mother, his father, a brother and four sisters. They live in Luni Bandar.

From the beginning it was seen that he was a quiet, straightforward, humble and cultured boy. He also exhibits behavior with moral values. Everyone helped the family socio-economically. In the Adani Foundation with the help of Vijayhai and Ishwarbhai noted details of the family and found that nobody was educated. In such times of rising prices and inflation it is difficult to raise so many children. So the school management decided to take over and fulfil his basic necessities. Efforts for this child's educational success were made including counselling and guidance.

During his first year in the school, he participated in the running competition in the Khel Mahakumbh and came first in the district. In this way, he began to progress in not just education but also other areas. He started getting promoted to the next standard every year and eventually he reached Std. 10. With the help of the school in various ways and his own hard work, he successfully cleared Std. 10 with 77%. He stood second in the school. Now, the journey of his life has really started. He has started to see new and inconceivable dreams for his future career. Now, the Adani Foundation will be holding his hand to fulfil his dreams.

After completing studies of the Std. 10, he was gifted an android phone by the school principal, Smt. Lali madam, as he needed new technology to get admission for further studies. In this way all the obstacles have been removed from his career path. He has now taken admission in mechanical engineering in Bhuj Polytechnic, and the Adani Foundation has paid his entire fee. A new innings has started in his life. With his hard work he is making progress step-by-step. He has set a good example for other students. And we all hope that he will eventually become a strong financial support to his family.



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Divine feeling towards Mata no Madh!!

Mata no Madh is a village in Lakhpat Taluka of Kutch district, Gujarat, India. The village lies surrounded by hills on both banks of a small stream and has a temple dedicated to Ashapura Mata, the household deity of former Jadeja rulers of Cutch State. She is also considered patron deity of Kutch. Many people are used to reach this Ashapura temple by feet from different parts of India. G K General hospital has organized health facility through at 10 locations on way of Mata Na Madh during Navaratri 5th to 11th oct.. In addition to medical facility, This health shibir will provide awareness of swachhagraha, swine flu and Beti bachavo as well The concept given by Shri Gadhvi Sir and implementation will be taken care by Dr. Chintan and Adani foundation health team.



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Enhance Employability!!

Vimleshkumar, an RTG crane operator at MICT, Mundra is a classic case study of skill development training ensuing employability. Just couple of month back a much stressed Vimleshkumar had approached Adani Skill Development Centre (ASDC) Mundra to undertake checker-cum- RTG crane operator training with a hope of getting some employment somewhere to support his economically poor family. After passing 12th qualification, Vimlesh was rendered unemployed like hundreds and thousands of youths of his age and locality.

While undergoing the ASDC training he would have never imagined that this additional knowledge and skill up gradation would bring him a bright future and good days for his family. Soon after completion of his 3 months duration course, Vimlesh Kumar got a job in MICT, Mundra doing cargo handling operations at MICT, Mundra. His current earning per month is Rs 12,000/- .

Vimleshkumar for employability through knowledge and skill development...



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ADANI FOUNDATION ALL PROJECT ACHIEVEMENT APRIL – SEP 2018-19

AF- COMMUNITY HEALTH - MUNDRA 2018-19					
Sr. No.	Description	No. of Direct Beneficiaries	No of Indirect Beneficiaries	No of Access Beneficiaries	Remarks
1	Mobile health care unit	8972	26916	61500	29 Village
2	Medicines for rural clinics - 9	10485	31455	37500	11 Village
3	Support to Needy people	485	2425	73700	15 Village
4	Dialysis Support	3	32	119	No. of Dialysis-119 (03 Village)
5	Health Card Service to Senior Citizen	5137	25685	169279	68 Village
6	Suposhan	21502	64506	153219	Child, Adolescent girls, RPA Women (61 Village)
7	Shakti Raksha Project	457	2285	153219	61 Village
Total		47041	153304	648536	
AF- COMMUNITY HEALTH - GAIMS BHUJ					
1	Health Camp	4120	16780	7031	-
2	School Health Check up	527	1671	589	-
3	School Awareness	150	603	0	-
4	Ortho Implant	24	120	576	-
5	Death Body	259	1092	0	-
6	Patient Care & Coordination	2628	10872	162000	-
7	Mata no Madh - Health Camp	21000	84000	250000	
		28708	115138	420196	

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RID					
1	Pond deepening work	31551	0	0	Total 19 Village.
2	Drainage maintenance and JCB hiring	13059	0	0	Total 06 Village.
3	Tuna Port Related CSR Projects	1215			Wandi Village.
4	Basic infra. Facility in Labour Colony	1380	0	0	Total Labour Colony = 5.
5	Development work in Zarpara & Mundra	2735	18338		(1) Zarpara = 735 (2) Mundra = 2000
6	Fisherman Amenities : Infrastructure Support at different Bandar	2472	0	0	(1) Old Abndar = 1056. (2) Bavdi Bandar = 576. (3) Kutadi Bandar = 840.
7	Participatory Ground Water Management	4927	0	0	Total 04 Village.
Total		57339	18338	0	
SLD (AGRI, Women Empowerment and Govt linkages)					
1	I.G Support	50	200	400	-
2	Sadhan sahay- tricycle and wheelchair	45	180	600	-
3	Gujrat govt sadhan sahay- Handicaps	41	164	600	-
4	Central govt sahay Handicaps	142	568	600	-
5	Medical certi Handicaps	182	728	980	-
6	Pension Yojana Linkages	124	496	400	-
7	Bus pass Linkages	170	680	980	-
9	fodder N.B 21	140	1250	1560	-
10	Biogas	21	130	270	-
11	Organic farming	21	140	290	-
12	Fodder support				-
13	Women Empowerment	94	570	768	-
14	Namada craft	6	36	0	-
Total		1036	5142	7448	

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Adani Foundation, CSR Budget - Mundra Budget Utilization April to September-2018			
F.Y. 2018-19 Rs. In lacs			
Sr. No.	Program	Budget 2018-19 Rs.	Budget Utilization Rs.
A.	Admin Expense	67.55	24.05
B.	Education		
(i)	Education Initiative	67.85	30.66
(ii)	Adani Vidya Mandir-Bhadreshwar	143.15	48.96
(iii)	Shanti Vihar (Project Udaan)	342.82	108.96
	Sub Total	553.82	188.58
C.	Community Health	243.21	84.00
D.	Sustainable Livelihood Development	475.22	282.10
E.	Rural Infrastructure Development	326.34	72.38
GRAND TOTAL		1666.14	651.11

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EDUCATION					
1	Material Support	8	1600	20	-
2	Mothers Meet	36	1800	3600	-
3	Project Uthhan	17	2598	0	-
4	Shala Praveshotshav	3000	9000	0	-
5	Swachhagraha	450	36000	0	-
6	Teachers Training	4	1000	10000	-
7	Support to 10th Pass Students from AVMB	44	132	0	-
Total		3559	52130	13620	
Education Initiative for Fisher folk					
1	Education Initiative for children at vasahat	250	1500	265	
2	Balvadi	138	690	149	
3	Vehical support	98	490	0	
4	Exposure tour, Fee & Other Edu. Support to poor students and cycle support to Fishermen Students.	142	852	0	
Total		628	3532	414	
Sustainable livelihood for Fisher folk					
1	Community Engagement Activities	780	0	780	
2	Livelihood promotion - Income Generation to individual	13	78	0	
3	Awareness generation and capacity building	70	350	176	
4	Potable Water to Fisher Folk at vasahat	921	5526	1200	
5	Mangroves plantation and maintenance	158	948	0	
Total		1942	6902	2156	
Total beneficiaries		140253	354486	1092370	

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