

APSEZ/EnvCell/2017-18/041

Date: 22.11.2017

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.

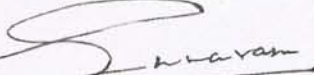
Dear Sir,

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 - 2017 to September - 2017 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**



Ennarasu Karunesan

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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Handwritten signature: Harpal
Handwritten date: 01/12/17
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Ministry of Environment & Forests (C)
प्रदेशीय कार्यालय (पश्चिमी क्षेत्र)
Regional Office (WZ)
पश्चिम (गुजरात)

Environmental Clearance Compliance Report

of



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

of

MPSEZ Utilities Pvt. Ltd.
(MUPL-CETP)

for
Period:

April-2017 to September-2017

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

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Compliance Report of Environment Clearance

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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 30-09-2017
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.	Complied. 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 27.07.2017. Acknowledgement copy of the same is attached as Annexure - 1 .
2	In order to assess and control the quality of effluent discharge, the MUPL shall carry out sampling of effluent from each member unit (cluster or individual unit) on daily basis, maintain records and submit the same at interval of every month.	Complied. Effluent sample of each member unit is collected on daily basis and analysed in-house at environmental laboratory. Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as Annexure - 2 .
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.	Complied. Presently Textile, chemical, warehouse, oil, steel CFS, electronic and food products category industries are available in SEZ area. At present there is no ssuchindustry within APSEZ as mentioned in the condition. Inlet norms of effluent for CETP are mentioned at specific condition no. 6. Effluents from any industry are allowed only if they comply with inlet norms of CETP.
4	Fresh water requirement for the CETP shall be 100 KL/day, which shall be sourced	Complied. Fresh water requirement for CETP is ranging from 5 KL

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions	Compliance Status as on 30-09-2017	
	through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water shall be tapped for the project.	/Day to 7 KL/Day, which is sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water is being tapped. Details of water consumption, is given as Annexure – 3.	
5	The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).	Complied. The average quantity of effluent discharge from the CETP was 160 KL/ Day 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.	
6	The total quantity of effluent discharge (including industrial effluent and sewage overflow from septic tank – soak pit) from the member units shall not exceed 17000 KL/ Day (17 MLD) and it shall be conveyed through underground pipeline to the CETP for further treatment. The effluent discharge from the CETP member units (cluster or individual unit) shall confirm to the following CETP inlet norms framed by the MUPL:	Complied. The average quantity of effluent discharge from the CETP was 160 KL/ Day during the compliance period. There are only two member industries of CETP as on date for industrial effluent and effluent is conveyed though underground pipeline only. Presently on Avg. 170 KL/ Day effluent is treated at CETP. 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.	
	Parameter	CETP inlet norm of MUPL	Sewage is also received from other member units for treatment in CETP and final disposal.
	pH	6.5 To 8.5	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 – 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 information for the same was submitted to the MoEF & CC along with half yearly compliance report April– 2016 to Sep – 2016.
	Suspended Solids	800 mg/l	
BOD (3 Days at 27 °C)	1000 mg/l		
COD	2000 mg/l		
TDS	2100 mg/l		
Oil & Grease	20 mg/l		
Phenolic Compounds	1 mg/l		
Cyanides	0.2 mg/l		
Fluorides	2 mg/l		
	50 mg/l		
	3 mg/l		

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions		Compliance Status as on 30-09-2017															
	Sulphides Ammonical Nitrogen Copper Nickel	3 mg/l	A typical Test Report provided by Member Unit is attached as Annexure – 2 .															
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>60 KL</td></tr><tr><td>M/s Ahlstrom Fiber Composites India Pvt. Ltd.</td><td>50 KLD</td><td>Primary Treatment</td><td>25 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	60 KL	M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 KL
Unit	ETP Capacity	Treatment Methodology	Average Water Discharge															
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M/s Ahlstrom Fiber Composites India Pvt. Ltd.	50 KLD	Primary Treatment	25 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 will also be treated in the CETP.		Complied. Sewage from each member industry is collected into collection tank, which is transferred to CETP @ average 83.0 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.															
10	The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment facilities to achieve the GPCB norms. The		Complied. MUPL has established the adequate primary, secondary and tertiary treatment facility to achieve the GPCB norms.															

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017																														
	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.	Present installed capacity of CETP is 2.5 MLD. 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'17 to Sep'17 is mentioned below. <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>6.89</td><td>8.49</td><td>6.5 – 8.5</td></tr><tr><td>SS</td><td>mg/L</td><td>18</td><td>32</td><td>100</td></tr><tr><td>COD</td><td>mg/L</td><td>57</td><td>110</td><td>250</td></tr><tr><td>BOD</td><td>mg/L</td><td>14</td><td>32</td><td>100</td></tr><tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>1.2</td><td>18.9</td><td>50</td></tr></table> \$ Permissible Limits as per CC&A for CETP Please refer Annexure – 4 for detailed analysis reports. Approx. INR 12.0 Lakh is spent for all environmental monitoring activities during this compliance (Apr'17 to Sep'17) period. MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly. GPCB Sample analysis reports are attached as Annexure – 5, which shows that all the parameters are well within the permissible norms.	Parameter	Unit	Min	Max	Perm. Limit ^{\$}	pH	--	6.89	8.49	6.5 – 8.5	SS	mg/L	18	32	100	COD	mg/L	57	110	250	BOD	mg/L	14	32	100	Ammonical Nitrogen	mg/L	1.2	18.9	50
Parameter	Unit	Min	Max	Perm. Limit ^{\$}																												
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BOD	mg/L	14	32	100																												
Ammonical Nitrogen	mg/L	1.2	18.9	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 discharged to deep sea through outfall system of MPSEZL having CRZ permission during high rainy days.	Complied. Average 160 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.																														
12	Well-designed effluent	Complied.																														

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions	Compliance Status as on 30-09-2017
	distribution network with sprinklers / drip pipes shall be provided for proper utilization of treated effluent for plantation / gardening.	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 summary. 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 the member units adhere to the same.	Complied. At present there are only two member industries of CETP and time slot has been given to each industry for discharging their effluent.
16	The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to	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

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions	Compliance Status as on 30-09-2017
	the CETP.	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 effluent being discharge is always neutral.	Complied. MUPL-CETP has also installed Continuous Effluent 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.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
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 are attached as Annexure – 6 .
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 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	Complied. Log books containing all required information are maintained. A copy of logbook is attached here as Annexure – 7 . 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 170 KLD effluent from member industries.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions	Compliance Status as on 30-09-2017
	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.	Sludge was carried out through landfilling on 11.03.2017 at registered TSDF site as SEPPL, Bhachau. The disposal quantity was 13.6 MT. Manifest for the same was submitted along with last compliance period Oct'16 to Mar'17.
26	The MUPL shall set up a full fledged laboratory for collection, analysis of samples to monitor the effluent quality and deploy competent technical staff for the analysis and monitoring purpose.	Complied. Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP. Competent technical staff is deployed for monitoring and analysis of environmental parameters.
27	Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the GPCB on monthly basis.	Complied. Daily analysis data are submitted to GPCB on monthly basis and proof showing the same is attached as Annexure - 2. Third party analysis of the treated water is being carried out once in a month by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. MUPL has also installed Continuous Effluent Monitoring System as per CPCB guidelines for continuous monitoring of pH, TSS, COD, BOD & Ammonical Nitrogen parameters and result of the same is also transferring to regulatory authorities i.e. CPCB & SPCB regularly. GPCB Sample analysis reports are attached as Annexure - 5, which shows that all the parameters are well within the permissible norms. Also refer Point no. 10.
28	The company shall also have to submit every month, the	Complied.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
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Sr. No.	Conditions	Compliance Status as on 30-09-2017
	analysis reports of the samples of effluent got collected and analysed by one of the recognized laboratories.	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 – 2. Monitoring report for the period from April '17 to Sep'17 is attached as Annexure – 4. Approx. INR 12.0 Lakh is spent for all environmental monitoring activities during the compliance period. Also refer Point no. 10 & 27.
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.	Complied. 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 27.07.2017. Acknowledgement copy of the same is attached as Annexure – 1.
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.	Complied. 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.
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	Complied. Bore-hole has been made at CETP main gate to check ground water quality and water level. No ground water contamination is evident as per the monitored data. Ground water sampling and analysis report is attached as Annexure – 8.

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	data along with interpretation shall be submitted at least once in six months.																										
32	Adequate stack height as per prevailing norms shall be provided to the D.G. Set. The flue gas emission from D.G. Set shall comply with the norms prescribed by the GPCB.	Complied. At present there is only one D.G. set of having capacity of 380 KVA is used as stand-by. Adequate stack height of 6 meter has been provided to the said D.G. Set. DG set was not operated during the compliance period of April'17 to Sep'17 due to uninterrupted grid power supply.																									
33	The ambient air quality shall be monitored in and around the CETP area and results shall be submitted to the GPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the GPCB.	Complied. Ambient Air Quality Monitoring station is established in consultation with GPCB. Third party analysis of the ambient air quality is being carried out on regular basis (twice in a week) by NABL and MoEF & CC accredited agency namely M/s. Pollucon Laboratories Pvt. Ltd. Summary of the same for duration from Apr'17 to Sep'17 is mentioned below. <table><tr><th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit^s</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>98.6</td><td>45.3</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>66.6</td><td>16.7</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>28.1</td><td>5.6</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>45.6</td><td>15.5</td><td>80</td></tr></table> ^s as per NAAQ standards, 2009 Monitoring report for the period from April '17 to Sep'17 is attached as Annexure – 4. Approx. INR 12.0 Lakh is spent for all environmental monitoring activities during the compliance period.	Parameter	Unit	Max	Min	Perm. Limit ^s	PM ₁₀	µg/m ³	98.6	45.3	100	PM _{2.5}	µg/m ³	66.6	16.7	60	SO ₂	µg/m ³	28.1	5.6	80	NO ₂	µg/m ³	45.6	15.5	80
Parameter	Unit	Max	Min	Perm. Limit ^s																							
PM ₁₀	µg/m ³	98.6	45.3	100																							
PM _{2.5}	µg/m ³	66.6	16.7	60																							
SO ₂	µg/m ³	28.1	5.6	80																							
NO ₂	µg/m ³	45.6	15.5	80																							
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)	Complied. 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.																									

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	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.	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.
35	CETP sludge shall be dried, packed and stored in designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied. Generated CETP sludge is dried in sludge drying beds, packed in bags and stored in dedicated hazardous waste storage area having appropriate facilities.
36	CETP waste shall be disposed at authorized common TSDF facility. The company shall necessary permission of the TSDF operator for disposal of CETP sludge.	Complied. Hazardous waste generated from CETP is being disposed through authorised TSDF facility. MUPL have obtained membership with TSDF operator SEPPL, Bhachau for the same. CETP is designed having 2.5 MLD capacity, against that at present we are receiving only 170 KLD effluents from member industries. There is no sizable quantity of sludge generated during this compliance period hence no disposal was carried out. 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.
37	Discarded containers / drums / bags/ liners shall be either reused or returned back to suppliers or sold to authorized vendors after decontamination.	Complied. Hazardous waste generated from CETP is being disposed through authorised TSDF facility. Used Oil and Discarded Containers generation is not frequent in nature. As & when generated, the same will be disposed by selling out to registered recycler / reprocessor.
38	Used oil shall be sold to the registered recyclers.	
39	Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.	Complied. Adequate Hand rail are provided at CETP Tanks for fall protection.
40	All necessary precautionary measures shall be taken to avoid any kind of accident	Complied. Safety measures like appropriate hand gloves, safety goggles, safety shoes, reflective jacket are provided.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs.	Photographs showing the same are attached as Annexure - 6 . 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/ regular medical check-up of workers. In addition, there is also a Multispecialty Hospital within the APSEZ area at a distance of approx. 1 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 safety department of APSEZ.
44	First Aid Box shall be made readily available in adequate quantity.	Complied. First aid box is available in CETP area. OHC of APSEZ maintains first aid box regularly.
45	Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CETP operations.	Complied. Regularly tool box talk is being conducted at CETP for safety and health aspects of chemicals handling and CETP operations.
46	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factory Act & Rules.	Complied. Pre-employment and periodical medical examination is being carried out. Record of the same is attached as Annexure - 9 .
47	Transportation of hazardous	Not Applicable

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017															
	chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	No hazardous chemicals are transported during the compliance period.															
48	The overall noise level in and around the CETP area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The 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'17 to Sep'17 is mentioned below. <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>73.1</td><td>47.5</td><td>75</td></tr><tr><td>Night Time</td><td>dB(A)</td><td>68.5</td><td>47.1</td><td>70</td></tr></table> D.G. sets were not operated during the compliance period due to continuous green power supply. Monitoring report for the period from April '17 to Sep'17 is attached as Annexure – 4. Approx. INR 12.0 Lakh is spent for all environmental monitoring activities during the compliance period.	Parameter	Unit	Max	Min	Perm. Limit	Day Time	dB(A)	73.1	47.5	75	Night Time	dB(A)	68.5	47.1	70
Parameter	Unit	Max	Min	Perm. Limit													
Day Time	dB(A)	73.1	47.5	75													
Night Time	dB(A)	68.5	47.1	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 400 ha. area as greenbelt with plantation more than 8.0 Lacs saplings within the APSEZ area. Details of the green belt development activity done by APSEZ Mundra are attached as Annexure – 10 and updated green belt development plan is attached as Annexure – 11.															
B. General Conditions																	
50	GPCB will ensure while granting CTE to individual units that no industry of	This point is applicable to GPCB.															

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	heavy pollution is allowed in such SEZ.	
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.
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	Complied. 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. The agreements are renewed before its expiry by the member units.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	Board about termination/suspension of the CETP membership of any member unit.	No event of termination or suspension of the CETP membership has occurred during the compliance period of April'17 to Sep'17.
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.	Complied. No new member has joined MUPL for effluent discharge during the compliance period of April'17 to Sep'17. No member has requested for enhancement of effluent quantity during the compliance period of April'17 to Sep'17.
56	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied. Chemical storage areas and chemical handling areas are provided with Pucca flooring to minimize soil contamination. Photograph showing the same is attached as Annexure – 6.
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.	Complied. Good housekeeping is maintained within the CETP premises by the dedicated housekeeping staff. Leakages were attended and recorded in the MIS report of MUPL. All the maintenance work done during compliance period of April'17 to Sep'17 is attached as Annexure – 12. No floor washing activity was carried out during the compliance period of April'17 to Sep'17.
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.	Point noted. Effluent is being transferred to CETP by dedicated pipeline. No accidental spillage has occurred during the compliance period of April'17 to Sep'17.
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	Complied. No accident, act or event has been occurred resulting in discharge of poisonous, noxious or polluting matter or

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017				
	resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.	the likelihood of the same into a stream or land or well during the compliance period of April'17 to Sep'17.				
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 is attached as Annexure – 13 .				
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 2017-18 is to the tune of INR 966 lakh. Out of which, Approx. INR 682.53 lakh are spent during April to Sep - 2017. Detailed breakup of the expenditures is attached as Annexure – 14 .				
63	The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	Complied. The CSR Activities 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> - During this six month, total 13077 patients were provided with free Health Care Services by Mobile Dispensaries at 26 villages and 6 Fisher folk settlements. 15993 patients benefitted by the medical services at Rural Clinics at 11 locations. - During the month, total 4787 transactions were done out of 7487 card holders by beneficiaries Sr. Citizens of 65 Villages Mundra Taluka and they received cash less medical services under this project. </td></tr></table>	Area	Activity	Community Health	- During this six month, total 13077 patients were provided with free Health Care Services by Mobile Dispensaries at 26 villages and 6 Fisher folk settlements. 15993 patients benefitted by the medical services at Rural Clinics at 11 locations. - During the month, total 4787 transactions were done out of 7487 card holders by beneficiaries Sr. Citizens of 65 Villages Mundra Taluka and they received cash less medical services under this project.
Area	Activity					
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	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017					
		<table><tr><td>Sustainable Livelihood – Fisher folk</td><td> - Average 130 KL of water was supplied to 983 households from different settlements on a daily basis under Machhimar Shudhh Jal Yojana. - Computer Training: 30 Fisherman Youth - Sewing Training: 60 Women - Mangrove Plantation: 4000 Man-days - Painting Labour: 3800 Man-days </td></tr><tr><td>Education</td><td> - Praveshotsav Kit is ready for 106 schools of Mundra Taluka, 6 Schools of Mandvi Taluka and 8 Schools of Anjar Taluka. Total 2200 kit distributed. - Education Material support to 67 Students of Juna Bandar, Zarpara, Navinal, Bhadreswar & Vandi of Standard 9th and 10th. </td></tr></table>	Sustainable Livelihood – Fisher folk	- Average 130 KL of water was supplied to 983 households from different settlements on a daily basis under Machhimar Shudhh Jal Yojana. - Computer Training: 30 Fisherman Youth - Sewing Training: 60 Women - Mangrove Plantation: 4000 Man-days - Painting Labour: 3800 Man-days	Education	- Praveshotsav Kit is ready for 106 schools of Mundra Taluka, 6 Schools of Mandvi Taluka and 8 Schools of Anjar Taluka. Total 2200 kit distributed. - Education Material support to 67 Students of Juna Bandar, Zarpara, Navinal, Bhadreswar & Vandi of Standard 9th and 10th.	
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		<table><tr><td>Rural Infrastructure</td><td> Work Completed - Mota Bhadiya and Bhujpur- Pond deepening work - Bhadreshwar- Prayer shed in School - Kandagara – Garden work in matang temple - Zarapara – Canal repairing work - Shekhadia- Pagadiya fisherman road repair - Shekhadia- construction of Bhunga Pagadiya fisherman - Kutdi bander- construction of cricket pitch - ASDC- civil works completed. - Kandagara - Repairing of Checkdam and widening - Mundra- crematorium development - Ragha - Prayer shed in primary school - Shekhadiya – Const. of house of fisherman </td></tr><tr><td>Skill Development</td><td> - Soft skill training – 206 Nos. - Technical Training – 400 Nos. </td></tr></table>	Rural Infrastructure	Work Completed - Mota Bhadiya and Bhujpur- Pond deepening work - Bhadreshwar- Prayer shed in School - Kandagara – Garden work in matang temple - Zarapara – Canal repairing work - Shekhadia- Pagadiya fisherman road repair - Shekhadia- construction of Bhunga Pagadiya fisherman - Kutdi bander- construction of cricket pitch - ASDC- civil works completed. - Kandagara - Repairing of Checkdam and widening - Mundra- crematorium development - Ragha - Prayer shed in primary school - Shekhadiya – Const. of house of fisherman	Skill Development	- Soft skill training – 206 Nos. - Technical Training – 400 Nos.	
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Skill Development	- Soft skill training – 206 Nos. - Technical Training – 400 Nos.						
		Budget for CSR Activity for the FY 2017-18 (Till Sep’2017) is to the tune of INR 1187 lakh. Out of which, Approx. INR 427 lakh are spent during this compliance period. Details of CSR activities carried out by Adani Foundation for Mundra and surrounding area is attached as Annexure – 15.					
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/	Point noted. Considering existing scenario, at present CETP having 2.5 MLD capacity only installed against total granted					

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of imposed and to add additional environmental protection measures required, if any.	capacity @ 17.0 MLD. Capacity of the same will be expanded on later stage as per requirement. No expansion or modifications in the plant has been carried out during the compliance period April'17 to Sep'17.
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. 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 2017-18 is to the tune of INR 966 lakh. Out of which, Approx. INR 682 lakh are spent during this compliance period. Detailed breakup of the expenditures is attached as Annexure -14 .
67	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each	Already complied. Typical copy of advertisement given in newspaper is attached as Annexure - 16 .

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	of the same shall be forwarded to the concerned Regional Office of the Ministry.	
68	It shall be mandatory for the project management to submit half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 st June and 1 st December of each calendar year.	Complied. Last compliance report including results of monitoring data for the period of Oct'16 to Apr'17 was submitted to Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB vide our letter dated 23.05.2017 in soft as well as hard copy. Copy of the same is also available on our web site https://www.adaniports.com/ports-downloads .
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied. 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.
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 additional conditions, if the same is found necessary. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air	Point noted.

	MPSEZ Utilities Pvt. Ltd., Mundra. (CETP)	From : April,17 To : September,17
Status of the conditions stipulated in Environment Clearance		

Sr. No.	Conditions	Compliance Status as on 30-09-2017
	(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

adani

PCB ID: 10605

Env Cell/MUPL/CETP/EAR/2017/10

Date: 21.07.2017

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 01.10.2016 to 31.03.2017.

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, 2017. 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.	:	UTIBH17201938278 dated 20.07.2017
Bank Name	:	Axis Bank Ltd.
Total Amount	:	Rs. 20,000/- (Rs. Twenty Thousand only)
Pay to	:	Gujarat Pollution Control Board, Gandhinagar

Kindly accept and acknowledge the same.

Thanking you.

For, MPSEZ Utilities Pvt. Ltd.

Authorized Signatory

Encl:

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

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

Tel: +91 79 2555 5301
Fax: +91 79 2555 6490
info@adani.com
www.adani.com

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

29/7/17
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010

adaniTM



MPSEZ Utilities Pvt Ltd AX11
Adani House
Near Mithakhali Six Roads, Navarang Pura
Ahemdabad-380009
Payment Advice

To : GUJARAT POLLUTION CONTROL BOARD
Address : GANDHINAGAR382010
Benef Name : GUJARAT POLLUTION CONTROL BOARD
Benef Code : 0000201108 Our Ref : 2000001042
Credit Account : 181602000000073 Your Ref / Hundi :
Bank Ref No : 5347861 Value Date : 20-07-2017
UTR Number : UTIBH17201938278
Amount : 20000.00
Amount in words : Rs. Twenty Thousand only

Dear Sir,

We have initiated your payment to RBI through NEFT to the Bank with IFSC IOBA0001816 on 20-07-2017 for an amount INR 20000.00 Rs. Twenty Thousand only.

As per the details are given below :

Invoice Number	Invoice Date	Amount	TDS	WCT Amt.	Other Ded.	Net Amount
DD	2017-07-11	20000.00	0.00	0.00	0.00	20000.00
CANCELLATION						
Net Payment		20000.00	0.0	0.0	0.0	20000.00

2000001042

20-07-2017

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This is a computer generated statement does not require any signature

Annexure – 2

Env Cell/MUPL/CETP/AR/2017/13

Date: 29.08.2017

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 July-2017.

Sr. No.	Unit Name	Remarks
1.	M/s. Dorf Ketal Speciality Catalyst Pvt. Ltd.	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.

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

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

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

13/9/17
Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

3-10-17

Analysis Report (CETP Inlet)

M/s Dorf Ketal Speciality Catalyst Pvt. Ltd.

Jul-17

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	1-Jul-17	98875	58	7.36	1600	35	66	22	810
2	2-Jul-17	98933	55	7.25	1500	28	54	18	822
3	3-Jul-17	98988	62	7.44	1700	40	62	21	837
4	4-Jul-17	99050	64	7.12	1800	31	68	23	800
5	5-Jul-17	99114	84	7.16	1600	27	71	24	785
6	6-Jul-17	99198	84	7.23	1600	29	49	16	791
7	7-Jul-17	99282	84	7.77	1800	27	55	18	916
8	8-Jul-17	99366	84	7.49	1800	10	44	15	888
9	9-Jul-17	99450	80	7.85	1900	15	59	20	849
10	10-Jul-17	99530	85	7.65	1900	7	71	24	958
11	11-Jul-17	99615	93	8.09	2000	58	190	63	908
12	12-Jul-17	99708	84	8.07	1900	75	138	46	870
13	13-Jul-17	99792	71	8.19	1900	62	202	67	805
14	14-Jul-17	99863	84	7.34	1800	78	214	71	748
15	15-Jul-17	99947	84	7.88	1800	59	171	57	811
16	16-Jul-17	100031	83	7.19	1800	70	202	67	728
17	17-Jul-17	100114	82	7.58	1800	32	169	56	819
18	18-Jul-17	100196	84	7.90	1800	45	182	61	785
19	19-Jul-17	100280	83	8.28	2000	94	278	93	984
20	20-Jul-17	100363	84	7.25	1800	62	231	77	842
21	21-Jul-17	100447	83	8.25	2100	105	293	98	856
22	22-Jul-17	100530	84	8.34	2000	94	296	99	775
23	23-Jul-17	100614	86	7.98	2000	136	279	93	934
24	24-Jul-17	100700	84	8.14	2000	105	210	70	898
25	25-Jul-17	100784	84	8.21	2000	67	360	120	914
26	26-Jul-17	100868	84	7.18	1700	203	386	129	865
27	27-Jul-17	100952	84	7.96	1800	184	329	109	786
28	28-Jul-17	101036	84	8.24	1900	138	272	91	880
29	29-Jul-17	101120	84	7.68	1900	155	315	105	806
30	30-Jul-17	101204	84	8.15	1900	146	292	97	833
31	31-Jul-17	101288	78	8.05	1923	123	304	101	813
32	1-Aug-17	101366							
			2491						

For

MPSEZ Utilities Pvt Ltd



Analysis Report (CETP Inlet)

M/s Ahlstrom Fiber Composites India Pvt. Ltd.

Jul-17

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	1-Jul-17	23475	15	7.08	1100	84	459	153	478
2	2-Jul-17	23490	0	7.19	1000	78	444	148	492
3	3-Jul-17	23490	15	7.22	900	64	406	135	460
4	4-Jul-17	23505	15	6.99	900	68	387	129	422
5	5-Jul-17	23520	15	7.05	1100	70	475	158	438
6	6-Jul-17	23535	0	7.21	1000	74	466	155	515
7	7-Jul-17	23535	15	7.64	900	80	360	120	433
8	8-Jul-17	23550	15	7.32	1200	75	342	114	422
9	9-Jul-17	23565	15	7.68	1200	63	305	102	432
10	10-Jul-17	23580	15	7.50	1200	72	334	111	468
11	11-Jul-17	23595	15	7.10	1000	80	376	125	510
12	12-Jul-17	23610	15	7.18	900	57	307	102	373
13	13-Jul-17	23625	15	7.39	1000	79	414	138	467
14	14-Jul-17	23640	15	7.84	1000	45	384	129	439
15	15-Jul-17	23655	15	7.24	1000	52	423	141	455
16	16-Jul-17	23670	15	6.97	900	109	486	162	524
17	17-Jul-17	23685	15	7.11	1100	81	345	115	497
18	18-Jul-17	23700	15	7.31	1000	67	291	97	344
19	19-Jul-17	23715	15	7.54	1200	64	256	85	405
20	20-Jul-17	23730	15	6.58	1000	37	208	69	399
21	21-Jul-17	23745	15	7.00	1200	71	397	132	478
22	22-Jul-17	23760	15	7.05	1200	67	344	115	404
23	23-Jul-17	23775	0	7.25	1000	80	388	129	400
24	24-Jul-17	23775	15	7.11	1200	52	304	101	425
25	25-Jul-17	23790	15	7.27	1000	67	360	120	411
26	26-Jul-17	23805	15	6.73	1000	163	352	117	396
27	27-Jul-17	23820	15	7.43	1000	170	372	124	379
28	28-Jul-17	23835	15	7.20	1000	142	300	101	408
29	29-Jul-17	23850	15	6.87	1000	118	289	96	429
30	30-Jul-17	23865	15	7.80	900	180	387	129	418
31	31-Jul-17	23880	10	7.57	932	205	458	153	356
32	1-Aug-17	23890							
			415						

For



MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)

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

Jul-17

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-Jul	-	-	-	-	-	-	-
2	2-Jul	-	-	-	-	-	-	-
3	3-Jul	-	-	-	-	-	-	-
4	4-Jul	-	-	-	-	-	-	-
5	5-Jul	-	-	-	-	-	-	-
6	6-Jul	-	-	-	-	-	-	-
7	7-Jul	-	-	7.68	1500	177	644	215
8	8-Jul	-	-	-	-	-	-	-
9	9-Jul	-	-	-	-	-	-	-
10	10-Jul	-	-	-	-	-	-	-
11	11-Jul	-	-	-	-	-	-	-
12	12-Jul	-	-	-	-	-	-	-
13	13-Jul	-	-	-	-	-	-	-
14	14-Jul	-	-	7.97	1500	205	714	238
15	15-Jul	-	-	-	-	-	-	-
16	16-Jul	-	-	-	-	-	-	-
17	17-Jul	-	-	-	-	-	-	-
18	18-Jul	-	-	-	-	-	-	-
19	19-Jul	-	-	-	-	-	-	-
20	20-Jul	-	-	-	-	-	-	-
21	21-Jul	-	-	7.55	1300	148	595	198
22	22-Jul	-	-	-	-	-	-	-
23	23-Jul	-	-	-	-	-	-	-
24	24-Jul	-	-	-	-	-	-	-
25	25-Jul	-	-	-	-	-	-	-
26	26-Jul	-	-	-	-	-	-	-
27	27-Jul	-	-	-	-	-	-	-
28	28-Jul	-	-	7.60	1500	190	688	229
29	29-Jul	-	-	-	-	-	-	-
30	30-Jul	-	-	-	-	-	-	-
31	31-Jul	-	-	-	-	-	-	-

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)

Jul-17

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-Jul	-	-	-	-	-	-	-
2	2-Jul	-	-	-	-	-	-	-
3	3-Jul	-	-	-	-	-	-	-
4	4-Jul	-	-	-	-	-	-	-
5	5-Jul	-	-	-	-	-	-	-
6	6-Jul	-	-	-	-	-	-	-
7	7-Jul	-	-	7.33	1500	105	496	165
8	8-Jul	-	-	-	-	-	-	-
9	9-Jul	-	-	-	-	-	-	-
10	10-Jul	-	-	-	-	-	-	-
11	11-Jul	-	-	-	-	-	-	-
12	12-Jul	-	-	-	-	-	-	-
13	13-Jul	-	-	-	-	-	-	-
14	14-Jul	-	-	7.55	1400	129	577	192
15	15-Jul	-	-	-	-	-	-	-
16	16-Jul	-	-	-	-	-	-	-
17	17-Jul	-	-	-	-	-	-	-
18	18-Jul	-	-	-	-	-	-	-
19	19-Jul	-	-	-	-	-	-	-
20	20-Jul	-	-	-	-	-	-	-
21	21-Jul	-	-	7.41	1500	137	545	182
22	22-Jul	-	-	-	-	-	-	-
23	23-Jul	-	-	-	-	-	-	-
24	24-Jul	-	-	-	-	-	-	-
25	25-Jul	-	-	-	-	-	-	-
26	26-Jul	-	-	-	-	-	-	-
27	27-Jul	-	-	-	-	-	-	-
28	28-Jul	-	-	7.50	1500	189	675	225
29	29-Jul	-	-	-	-	-	-	-
30	30-Jul	-	-	-	-	-	-	-
31	31-Jul	-	-	-	-	-	-	-

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.

Jul-17

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-Jul	12545.4	55.9	-	-	-	-	-
2	2-Jul	12601.3	44.9	-	-	-	-	-
3	3-Jul	12646.2	49.2	-	-	-	-	-
4	4-Jul	12695.4	30.6	-	-	-	-	-
5	5-Jul	12726.0	60.4	-	-	-	-	-
6	6-Jul	12786.4	61.7	-	-	-	-	-
7	7-Jul	12848.1	64.7	7.75	1500	196	487	162
8	8-Jul	12912.8	90.7	-	-	-	-	-
9	9-Jul	13003.5	79.4	-	-	-	-	-
10	10-Jul	13082.9	72.0	-	-	-	-	-
11	11-Jul	13154.9	55.0	-	-	-	-	-
12	12-Jul	13209.9	63.0	-	-	-	-	-
13	13-Jul	13272.9	57.1	-	-	-	-	-
14	14-Jul	13330.0	160.1	7.56	1400	177	421	140
15	15-Jul	13490.1	20.0	-	-	-	-	-
16	16-Jul	13510.1	102.2	-	-	-	-	-
17	17-Jul	13612.3	238.3	-	-	-	-	-
18	18-Jul	13850.6	91.6	-	-	-	-	-
19	19-Jul	13942.2	60.0	-	-	-	-	-
20	20-Jul	14002.2	74.4	-	-	-	-	-
21	21-Jul	14076.6	106.2	7.94	1600	215	524	175
22	22-Jul	14182.8	83.6	-	-	-	-	-
23	23-Jul	14266.4	89.0	-	-	-	-	-
24	24-Jul	14355.4	71.5	-	-	-	-	-
25	25-Jul	14426.9	73.0	-	-	-	-	-
26	26-Jul	14499.9	62.5	-	-	-	-	-
27	27-Jul	14562.4	33.3	-	-	-	-	-
28	28-Jul	14595.7	31.8	7.50	1500	180	454	151
29	29-Jul	14627.5	31.5	-	-	-	-	-
30	30-Jul	14659.0	30.0	-	-	-	-	-
31	31-Jul	14689.0	29.1	-	-	-	-	-
32	1-Aug	14718.1						
			2172.7					

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.

Jul-17

Sr. No.	Date	Tanker No.	Received in KL	PH	TDS	SS	COD	BOD	Chloride	Remarks
				6.5-8.5	2100	800	2000	1000	1000	
					mg/l	mg/l	mg/l	mg/l	mg/l	
1	1-Jul	537	4.00	7.45	1100	131	296	99	322	Vijay
2		537	4.00	7.51	1700	246	353	118	403	IHI
3	2-Jul	-	-	-	-	-	-	-	-	-
4	3-Jul	537	4.91	7.31	1500	192	315	105	398	Vijay
5	4-Jul	537	4.56	7.44	1400	188	278	93	355	IHI
6	5-Jul	537	4.49	7.35	1400	167	301	100	285	IHI
7	6-Jul	-	-	-	-	-	-	-	-	-
8	7-Jul	537	4.34	7.37	1500	156	277	92	316	IHI
9	8-Jul	-	-	-	-	-	-	-	-	-
10	9-Jul	-	-	-	-	-	-	-	-	-
11	10-Jul	-	-	-	-	-	-	-	-	-
12	11-Jul	-	-	-	-	-	-	-	-	-
13	12-Jul	537	4.63	7.33	1500	135	330	110	297	IHI
14	13-Jul	-	-	-	-	-	-	-	-	-
15	14-Jul	-	-	-	-	-	-	-	-	-
16	15-Jul	-	-	-	-	-	-	-	-	-
17	16-Jul	-	-	-	-	-	-	-	-	-
18	17-Jul	537	4.85	7.34	1400	367	819	273	351	IHI
19	18-Jul	-	-	-	-	-	-	-	-	-
20	19-Jul	537	5.04	7.13	1400	278	691	230	319	IHI
21	20-Jul	-	-	-	-	-	-	-	-	-
22	21-Jul	-	-	-	-	-	-	-	-	-
23	22-Jul	-	-	-	-	-	-	-	-	-
24	23-Jul	-	-	-	-	-	-	-	-	-
25	24-Jul	537	4.00	7.34	1700	297	821	274	310	IHI
26	25-Jul	-	-	-	-	-	-	-	-	-
27	26-Jul	537	4.00	7.42	1700	396	874	291	286	IHI
28	27-Jul	-	-	-	-	-	-	-	-	-
29	28-Jul	537	4.00	7.44	1500	328	808	269	397	IHI
30	29-Jul	-	-	-	-	-	-	-	-	-
31	30-Jul	-	-	-	-	-	-	-	-	-
32	31-Jul	537	4.00	7.46	1200	339	829	276	325	IHI
			56.82							

For

MPSEZ Utilities Pvt. Ltd.



Env Cell/MUPL/CETP/AR/2016/14

Date: 29.08.2017

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

Subject: Submission of Monthly Analysis Reports of CETP at Mundra.

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

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports of inlet & outlet of CETP, Ambient Air Quality and Noise Quality as per Annexure - I for the month July-2017.

The reports are submitted in view of the condition no. 33 of CC&A order granted by GPCB vide their letter no. PC/CCA-Kutch-644(2)/GPCB ID: 10605/364534 dated 30th July, 2016 and condition no. 33 of EC granted by SEIAA, Gandhinagar vide their letter no. SEIAA/GUJ/EC/7(h)/43/210 dated 20th February, 2010.

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.

PJ 13/8/17
Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

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

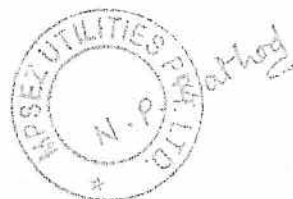
Tel +91 79 2555 5601
Fax +91 79 2555 6490
info@adani.com
www.adani.com

Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)
3-10-17

ANNEXURE - I

List of CETP Monthly Monitoring Reports for July 2017:

Sr. No.	Date of Sampling	Type of Sample	Location of Sampling
1	07/07/2017	CETP Inlet	CETP
2	07/07/2017	CETP Outlet	CETP
3	05/07/2017	Ambient Air	Near CETP
	08/07/2017	Ambient Air	Near CETP
	12/07/2017	Ambient Air	Near CETP
	22/07/2017	Ambient Air	Near CETP
	26/07/2017	Ambient Air	Near CETP
	29/07/2017	Ambient Air	Near CETP
4	18/07/2017	Ambient Air	Near CETP
5	05/07/2017	Noise (Day Time)	CETP
6	05/07/2017 & 06/07/2017	Noise (Night Time)	CETP



TEST REPORT

QR/5.10/01

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES PVT LTD (MUPL),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH -- 370421**

Test Report No. : **PL/AM 0193**

Issue Date : **14/07/2017**

Customer's Ref. : **PO No.4800012981
Dob: 02.05.2015**

Description of Sample :	WATER SAMPLE	Quantity/No. of Samples:	02 Lit/One
Sampling Date :	07/07/2017	Sampling Procedure :	Grab
Sampling By :	Pollucon Laboratories Pvt. Ltd.	Lab ID :	AM/1707/13
Sample Receipt Date :	08/07/2017	Test Parameters :	As per table
Packing/ Seal :	Sealed	Date of Completion :	13/07/2017
Date of Starting of Test :	08/07/2017		

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Inlet	TEST METHOD
			CETP INLET		
1	pH	--	7.68	6.5 to 8.5	IS3025(P11)83Re.02
2	Temperature	oC	30	--	IS3025(P9)84Re.02
3	Colour	Co-pt	40	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	76	800	IS3025(P17)84Re.02
6	Oil & Grease	mg/L	1.2	20	APHA(22 nd Edi)5520D
7	Phenolic Compound	mg/L	BDL	1	IS3025(P43)92Re.03
8	Fluorides	mg/L	1.06	2	APHA(22 nd Ed) 4500 F D SPANDS
9	Iron		1.12	3	AAS APHA(22 nd Edi)3111 B
10	Zinc as Zn	mg/L	2.56	15	AAS APHA(22 nd Edi)3111 B
11	Trivalent Chromium	mg/L	0.22	2	AAS APHA(22 nd Edi)3111 B
12	Sulphide as S	mg/L	1.90	2	APHA(22 nd Edi) 4500-S
13	Ammonical Nitrogen as NH ₃	mg/L	14.53	50	IS3025(P34)93Cla.2.3
14	BOD (3 Days @ 27 °C)	mg/L	54	1000	IS 3025 (P44)1993Re.03Edition2.1
15	COD	mg/L	192	2000	APHA(22 nd Edi) 5520-D Open Reflux
16	Chloride as Cl	mg/L	616	1000	IS3025(P32)88Re.99
17	Sulphate as SO ₄	mg/L	128	1000	APHA(22 nd Edi)4500 SO ₄ E
18	Total Dissolved Solids	mg/L	1270	2100	IS3025(P16)84Re.02
19	Total Residual Chlorine	mg/L	<0.1	2	APHA(22 nd Edi)4500 Cl
20	Copper as Cu	mg/L	0.029	3	AAS APHA(22 nd Edi)3111 B

BDL*: Below Detection Limit, Minimum Detection Limit, Phenolic Compound: 0.001 mg/L, Cyanide as CN: 0.0001 mg/L, Sulphide as S: 0.01 mg/L
As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 Upto 07/04/2021

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

POLLUCON LABORATORIES

TEST REPORT

QR/5.10/01

Page: 1 of 1

Customer's Name and Address :

M/S. MPSEZ UTILITIES PVT LTD (MUPL),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH - 370421

Test Report No. : PL/AM 0193

Issue Date : 14/07/2017

Customer's Ref. : PO No.4800012981
Date: 02.05.2015

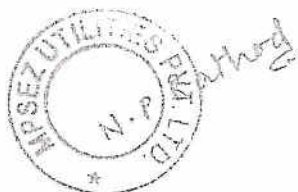
Description of Sample	: WATER SAMPLE	Quantity/No. of Samples:	02 Lit/One
Sampling Date	: 07/07/2017	Sampling Procedure	: Grab
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Lab ID	: AM/1707/18
Sample Receipt Date	: 08/07/2017	Test Parameters	: As per table
Packing/ Seal	: Sealed	Date of Completion	: 13/07/2017
Date of Starting of Test	: 08/07/2017		

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Inlet	TEST METHOD
			CETP INLET		
1	pH	--	7.68	6.5 to 8.5	IS3025(P11)83Re.02
2	Temperature	oC	30	--	IS3025(P9)84Re.02
3	Colour	Co-pt	40	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	76	800	IS3025(P17)84Re.02
6	Oil & Grease	mg/L	1.2	20	APHA(22 nd Edi)5520D
7	Phenolic Compound	mg/L	BDL	1	IS3025(P43)92Re.03
8	Fluorides	mg/L	1.06	2	APHA(22 nd Edi) 4500 F D SPANDE
9	Iron		1.12	3	AAS APHA(22 nd Edi)3111 B
10	Zinc as Zn	mg/L	2.56	15	AAS APHA(22 nd Edi)3111 B
11	Trivalent Chromium	mg/L	0.22	2	AAS APHA(22 nd Edi)3111 B
12	Sulphide as S	mg/L	1.98	2	APHA(22 nd Edi) 4500-S
13	Ammonical Nitrogen as NH ₃	mg/L	14.53	50	IS3025(P34)88Cla.2.3
14	BOD (3 Days @ 27 °C)	mg/L	54	1000	IS 3025 (P44)1993Re.03Edition2.1
15	COD	mg/L	192	2000	APHA(22 nd Edi) 5520-D Open Reflux
16	Chloride as Cl	mg/L	616	1000	IS3025(P32)88Re.99
17	Sulphate as SO ₄	mg/L	128	1000	APHA(22 nd Edi)4500 SO ₄ E
18	Total Dissolved Solids	mg/L	1270	2100	IS3025(P16)84Re.02
19	Total Residual Chlorine	mg/L	<0.1	2	APHA(22 nd Edi)4500 Cl
20	Copper as Cu	mg/L	0.029	3	AAS APHA(22 nd Edi)3111 B

BDL*: Below Detection Limit, Minimum Detection Limit, Phenolic Compound: 0.001 mg/L, Cyanide as CN: 0.0001 mg/L, Sulphide as S: 0.01 mg/L
As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/05/2016 Upto 07/04/2021

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

Recognized by MOEF, New Delhi Under
Sec. 13 of Environment Protection Act-1986

Accredited By NABL As Per
ISO/IEC 17025 : 2005

POLLUCON

TEST REPORT

QR/5.10/01

Page: 1 of 1

Customer's Name and Address :

M/S. MPSEZ UTILITIES PVT LTD (MUPL),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH - 370421

Test Report No. : PL/AM 0194

Issue Date : 14/07/2017

Customer's Ref. : PO No. 420...12221
Date: 02.05.2015

Description of Sample : WATER SAMPLE
Sampling Date : 07/07/2017
Sampling By : Pollucon Laboratories Pvt. Ltd.
Sample Receipt Date : 08/07/2017
Packing/ Seal : Sealed
Date of Starting of Test : 13/07/2017
Quantity/No. of Samples: 02 Lit/One
Sampling Procedure : Grab
Lab ID : AM/1706/19
Test Parameters : As per table
Date of Completion : 13/07/2017

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB Permissible Limit CETP Outlet	TEST METHOD
			CETP OUTLET		
1	pH	--	7.57	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	28	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	20	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	16	100	IS3025(P17)83Re.02
6	Oil & Grease	mg/L	BDL*	10	APHA(22 nd Edi)5520D
7	Phenolic Compound	mg/L	BDL*	1	IS3025(P43)92Re.03
8	Fluorides	mg/L	0.71	2	APHA(22 nd Edi) 4500 F D SPANDS
9	Iron		0.76	3	AAS APHA(22 nd Edi)3111 B
10	Zinc as Zn	mg/L	1.03	15	AAS APHA(22 nd Edi)3111 B
11	Trivalent Chromium	mg/L	0.13	2	AAS APHA(22 nd Edi)3111 B
12	Sulphide as S	mg/L	1.36	2	APHA(22 nd Edi) 4500-S
13	Ammonical Nitrogen as NH ₃	mg/L	1.48	50	IS3025(P34)88Cla.2.3
14	BOD (3 Days @ 27 °C)	mg/L	18	100	IS 3025 (P44)1993Re.03Edition2.1
15	COD	mg/L	57	250	APHA(22 nd Edi) 5520-D Open Reflux
16	Chloride as Cl	mg/L	539.8	1000	IS3025(P32)83Re.99
17	Sulphate as SO ₄	mg/L	114	1000	APHA(22 nd Edi)4500 SO ₄ E
18	Total Dissolved Solids	mg/L	1112	2100	IS3025(P16)84Re.02
19	Total Residual Chlorine	mg/L	0.8	1	APHA(22 nd Edi)4500 Cl
20	Copper as Cu	mg/L	0.03	3	AAS APHA(22 nd Edi)3111 B

As per GPCB Consent Order No. AWH- 79311 Issue Date: 02/06/2016 Upto 07/04/2021
BDL*-Below Detection Limit.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

Developed by M&E, New Delhi Under
Sec. 13 of Environment (Protection) Act-1986

Accredited By NABL As Per
ISO 15189:2013

TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QV/5.10/128-C

Page: 1 of 1

Customer's Name and Address:

M/S. MPSEZ UTILITIES PVT LTD (MUPL), SURVEY NO/PLOT NO. 141 (PART), VILLAGE - MUNDRA, TALUKA - MUNDRA, DIST - KUTCH - 370421	Test Report No.: PL/AM 0245 Issue Date : 12/05/2017 Customer's Ref.: PO No. 4900012981 Date: 02.05.2015
---	--

Location of Sampling : **WTP - NEAR CETP**
 GPS Location : **N 22° 43.446' E 069° 42.238'**

Date of Sampling : **As per table** Protocol (purpose) : **Ambient Air Quality Monitoring**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.** Lab Id : **As per table**

RESULT TABLE

SR. NO	TEST PARAMETER	UNIT	RESULT						LIMIT*	METHOD OF MEASUREMENT
			Date of Sampling							
			05/07/2017	08/07/2017	12/07/2017	22/07/2017	26/07/2017	28/07/2017		
			Lab ID							
			AMA/1707 [A - E]							
			10	22	34	62	74	86		
1	Respirable Particulate Matter (PM ₁₀)	µg/m ³	85.79	91.21	80.61	71.23	88.41	58.37	100	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
2	Particulate Matter (PM _{2.5})	µg/m ³	52.42	47.43	40.36	27.46	42.44	25.38	60	Gravimetric- CPCB - Method (Vol.I,May-2011)
3	Sulphur Dioxide as SO ₂	µg/m ³	18.54	22.80	14.35	19.19	25.42	17.54	80	IS:5182(P11): Improved West and Gaeke
4	Oxides of Nitrogen as NO ₂	µg/m ³	28.22	30.48	26.34	33.16	42.33	25.63	80	IS:5182(PVI): Jacob & Hochheiser modified (NaOH- NaAsO ₂) Method

BDL*: Below Detection Limit, Minimum Detection Limit: Hydrogen Sulphide as H₂S: 6 µg/m³
 Limit#: Industrial, Residential, Rural and other Area Notification Dated 16th Nov,2009 as per national Ambient Air Quality Standards, CPCB New Delhi.


H. T. Shah
 Lab Manager




Dr. Arun Bajpai
 Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QR/5.10/12B-C

Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES PVT LTD (MUPL),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH - 370421**

Test Report No. : **PL/AM 0246**

Issue Date : **18/08/2017**

Customer's Ref. : **PO No. 5700109432
Dtd. 12.11.2013**

Location of Sampling : **WTP - NEAR CETP**

GPS Location : **N 22° 48.446' E 069° 42.238'**

Date of Sampling : **18/07/2017** Sampling Procedure : **As Per Table**

Sampling By : **Pollucan Laboratories Pvt. Ltd.** Protocol (purpose) : **AAQM**

Sample Receipt Date : **20/07/2017** Date of Completion of Test : **27/07/2017**

Date of Starting of Test : **20/07/2017** Lab Id : **AMA/1707/50 [A - H]**

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULT	LIMIT*	METHOD OF MEASUREMENT
1	Respirable Particulate Matter (PM ₁₀)	µg/m ³	71.47	100	IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011)
2	Particulate Matter (PM _{2.5})	µg/m ³	30.34	60	Gravimetric- CPCB - Method (Vol.I,May-2011)
3	Lead as Pb	µg/m ³	0.62	1.0	CPCB Method (Vol.I,May-2011)
4	Benzo (a) Pyrene (BaP)- particulate phase only	ng/m ³	BDL*	1.0	CPCB Method (Vol.I,May-2011)
5	Arsenic as As	ng/m ³	BDL*	6.0	CPCB Method (Vol.I,May-2011)
6	Nickel as Ni	ng/m ³	10.24	20	CPCB Method (Vol.I,May-2011)
7	Carbon Monoxide as CO	mg/m ³	0.55	4.0	NDIR Digital Gas Analyzer
8	Benzene as C ₆ H ₆	µg/m ³	2.62	5.0	IS 5182 (Part XI):2006/CPCB Method
9	Ammonia (NH ₃)	µg/m ³	22.48	400	CPCB Method (Vol.I,May-2011)
10	Sulphur Dioxide (SO ₂)	µg/m ³	17.42	80	IS:5182(Part 2): Improved West and Gaeke
11	Oxides of Nitrogen	µg/m ³	34.57	80	IS:5182(Part 6):Modified Jacob & Hochheiser (Na-Arsenite)
12	Ozone (O ₃) [§]	µg/m ³	28.49	180	IS 5182 (PART IX) 1974 / CPCB Method (Vol.I,May-2011)
13	Hydrogen Sulphide as H ₂ S	µg/m ³	---	500	IS 5182 (Part-VII) 1973

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

BDL*: Below Detection Limit: Lead as Pb(µg/m³):0.5, Benzo (a) Pyrene (BaP)- particulate phase only(ng/m³): 0.5, Nickel as Ni(ng/m³):10, Benzene as C₆H₆(µg/m³): 2, Arsenic as As (ng/m³): 2, Hydrogen Sulphide as H₂S: 6 µg/m³

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

TEST CERTIFICATE

QR/5.10/01
Page: 1 of 1

Customer's Name and Address :

6M/S. MPSEZ UTILITIES PVT LTD (MUDI),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH - 370421

Test Report No. : PL/AM 0253
Issue Date : 25/08/2017
Customer's Ref. : PO No. 4300012981
Date: 02.05.2015

NOISE LEVEL MONITORING REPORT

Sampling Date	: CETP	Sampling By	: Pollucon Laboratories Pvt. Ltd.
Test Method	: IS:11702	Protocol (purpose)	: Environmental Monitoring

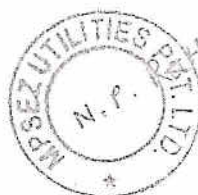
RESULT TABLE

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB(A)							
				05/07/2017							
				6:00-7:00	7:00-8:00	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00
1	CETP	N 22° 48.446'	E 069° 42.238'	62.7	69.1	65.7	70.4	72.1	68.1	63.5	65.9

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB(A)							
				05/07/2017							
				14:00-15:00	15:00-16:00	16:00-17:00	17:00-18:00	18:00-19:00	19:00-20:00	20:00-21:00	21:00-22:00
1	CETP	N 22° 48.446'	E 069° 42.238'	69.1	62.8	66.1	62.3	66.1	69.4	65.6	63.7

SR NO	SAMPLING LOCATION & GPS LOCATION			DAY TIME RESULTS IN Leq dB(A)		
				05/07/2017		
				AVERAGE	MAX	MIN
1	CETP	N 22° 48.446'	E 069° 42.238'	66.4	72.1	62.7

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

Approved by: HSE, New Delhi Under
Part 13 of the Environment (Protection) Act-1986

Accredited By: NABL As Per
ISO/IEC 17025:2005

TEST CERTIFICATE

QR/5.10/01
Page: 1 of 1

Customer's Name and Address :

**M/S. MPSEZ UTILITIES PVT LTD (MUPL),
SURVEY NO/PLOT NO. 141 (PART),
VILLAGE - MUNDRA, TALUKA - MUNDRA,
DIST - KUTCH - 370421.**

Test Report No. : **PL/AM 0254**
Issue Date : **25/08/2017**
Customer's Ref. : **PO No.4800012981
Date: 02.05.2015**

NOISE LEVEL MONITORING REPORT

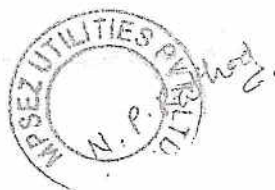
Sampling Location : CETP	Sampling By : Pollucon Laboratories Pvt. Ltd.
Test Method : IS:11702	Protocol (purpose) : Environmental Monitoring

RESULT TABLE

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)			
				05/07/2017		06/07/2017	
				22:00-23:00	23:00-00:00	00:00-01:00	01:00-02:00
1	CETP	N 22° 48.446'	E 069° 42.238'	60.4	62.8	59.4	62.7

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)			
				06/07/2017			
				02:00-03:00	03:00-04:00	04:00-05:00	05:00-06:00
1	CETP	N 22° 48.446'	E 069° 42.238'	60.9	60.4	62.8	61.3

SR NO	SAMPLING LOCATION & GPS LOCATION			NIGHT TIME RESULTS IN Leq dB(A)		
				05/07/2017 & 06/07/2017		
				AVERAGE	MAX	MIN
1	CETP	N 22° 48.446'	E 069° 42.238'	61.5	62.8	59.4



H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

Approved by: **H.T. Shah**, New Delhi, India
Lab. In-charge: **H.T. Shah** (Signature) Date: 25/08/2017

Accredited By: **NABL**, No. **101**
ISO/IEC: **17025**, 2017

Annexure – 3

Details of Water Consumption (Apr-17 to Sep-17)

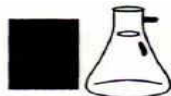
Sr. No.	Month	Total water Cons, KL	Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL	
			Domestic	Industrial
1.	April – 17	201	50	151
2.	May – 17	182	32	150
3.	June – 17	165	35	130
4.	July – 17	141	31	110
5.	Aug – 17	196	50	146
6.	Sep – 17	173	33	140
	Total	1058	231	827

Collected Quantity of Trade Effluent and Treated Water Discharge

(Apr-17 to Sep-17)

Sr. No.	Month	Effluent collected from member units in KL	Treated water Discharge in KL
1	April – 17	4156	3599
2	May – 17	4484	4069
3	June – 17	4459	3944
4	July – 17	6859	6185
5	Aug – 17	5620	5937
6	Sep – 17	5064	4914
Total Quantity		30642	28648
Avg. Quantity per Day		167.44	156.55

Annexure – 4



POLLUCON LABORATORIES PVT. LTD.

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

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

"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR



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

**MONITORING PERIOD:
APRIL 2017 TO SEPTEMBER 2017**

PREPARED BY:



POLLUCON LABORATORIES PVT.LTD.

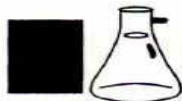
**PLOT NO.5/6 "POLLUCON HOUSE", OPP. BALAJI INDUSTRIAL SOCIETY,
OLD SHANTINATH SILK MILL LANE, NEAR GAYTRI FARSAN MART,
NAVJIVAN CIRCLE, UDHANA MAGDALLA ROAD, SURAT-395007.
PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.
E-mail: pollucon@gmail.com Web: www.polluconlab.com**

TC - 5945

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007



RESULT OF CETP OUTLET

SR. NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP OUTLET	TEST METHOD
			April-17	May-17	June-17	July-17	Aug-17	Sept-17		
1	pH	--	8.49	7.11	7.41	7.57	7.73	6.89	6 to 9	IS3025(P11)83Re.02
2	Temperature	°C	30	29	28	28	30	29	Shall Not exceed more than 5 °C above ambient water temperature	IS3025(P9)84Re.02
3	Colour	Co-pt	40	30	40	20	70	30	100	IS3025(P4)83Re.02
4	Total Suspended Solids	mg/L	88	32	30	16	18	18	100	IS3025(P17)84Re.02
5	Oil & Grease	mg/L	1.02	BDL*	BDL*	BDL*	BDL*	BDL*	10	APHA(22 nd Edi)5520D
6	Phenolic Compound	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	1	IS3025(P43)92Re.03
7	Fluorides	mg/L	0.64	0.76	0.64	0.71	BDL*	BDL*	2	APHA(22 nd Edi) 4500 F D SPANDS
8	Iron	mg/L	--	--	--	0.76	0.031	0.027	3	AAS APHA(22 nd Edi)3111 B
9	Zinc as Zn	mg/L	--	--	--	1.08	0.037	0.042	15	AAS APHA(22 nd Edi)3111 B
10	Trivalent Chromium	mg/L	--	--	--	0.13	0.09	0.08	2	AAS APHA(22 nd Edi)3111 B
11	Sulphide as S	mg/L	0.92	1.74	0.98	1.36	0.72	BDL*	2	APHA(22 nd Edi) 4500-S
12	Ammonical Nitrogen as NH ₃	mg/L	2.55	8.18	1.22	1.48	15.88	16.96	50	IS3025(P34)88Cla.2.3
13	BOD (3 Days @ 27 °C)	mg/L	28	14	32	18	20	22	100	IS 3025 (P44)1993Re.03Edition2.1
14	COD	mg/L	92	66	110	57	64	75	250	APHA(22 nd Edi) 5520-D Open Reflux
15	Chloride as Cl	mg/L	402	545	467	539	639	614	1000	IS3025(P32)88Re.99
16	Sulphate as SO ₄	mg/L	98	108	78	114	146	236	1000	APHA(22 nd Edi)4500 SO ₄ E
17	Total Dissolved Solids	mg/L	1452	1155	1239	1112	1328	1076	2100	IS3025(P16)84Re.02
18	Total Residual Chlorine	mg/L	0.5	0.5	0.6	0.8	0.7	0.6	1	APHA(22 nd Edi)4500 Cl
19	Copper as Cu	mg/L	0.21	0.021	0.027	0.03	0.031	0.018	3	AAS APHA(22 nd Edi)3111 B

*Below Detection Limit

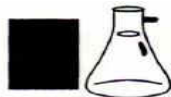


H. T. Shah
Lab Manager





Dr. Arun Bajpai
Lab Manager (Q)

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

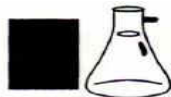
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RESULT OF AMBIENT AIR QUALITY MONITORING

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	01/04/2017	87.80	39.52	19.40	42.56	BDL*
2	05/04/2017	95.48	56.58	22.94	37.21	BDL*
3	08/04/2017	80.49	37.44	15.82	40.24	BDL*
4	12/04/2017	76.77	43.68	18.52	31.61	BDL*
5	15/04/2017	86.52	52.45	21.98	38.61	BDL*
6	19/04/2017	82.50	46.60	14.88	44.59	BDL*
7	22/04/2017	97.49	42.44	24.53	33.49	BDL*
8	26/04/2017	86.52	54.50	17.58	30.70	BDL*
9	29/04/2017	90.60	38.69	26.20	39.56	BDL*
10	05/03/2017	65.07	28.71	22.56	35.63	BDL*
11	05/06/2017	81.22	37.44	18.22	33.74	BDL*
12	05/10/2017	70.62	43.68	14.84	34.79	BDL*
13	13/05/2017	87.50	40.36	17.35	28.08	BDL*
14	17/05/2017	75.80	33.70	12.45	36.56	BDL*
15	20/05/2017	82.68	45.76	13.36	23.52	BDL*
16	24/05/2017	92.62	54.50	21.83	31.85	BDL*
17	27/05/2017	62.88	34.53	15.77	39.19	BDL*
18	31/05/2017	78.60	39.52	19.28	29.76	BDL*
19	06/03/2017	89.33	46.60	19.46	36.36	BDL*
20	06/07/2017	75.80	40.36	15.97	43.49	BDL*
21	06/10/2017	60.81	26.63	11.38	28.66	BDL*
22	14/06/2017	82.32	43.68	22.99	32.30	BDL*
23	17/06/2017	71.47	36.61	18.19	25.19	BDL*
24	21/06/2017	92.37	51.59	14.20	35.89	BDL*
25	24/06/2017	78.30	33.70	20.49	45.63	BDL*
26	28/06/2017	68.61	41.60	23.80	38.29	BDL*
27	05/07/2017	85.79	52.42	18.54	28.22	BDL*
28	08/07/2017	91.21	47.43	22.80	30.48	BDL*
29	12/07/2017	80.61	40.36	14.35	26.34	BDL*
30	19/07/2017	71.47	30.34	17.42	34.57	BDL*

Continue ...

H. T. Shah
Lab ManagerDr. Arun Bajpai
Lab Manager (Q)

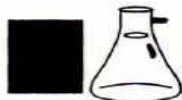
**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

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WTP- NEAR CETP						
Sr.No.	Date of Sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO2) $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen (NO2) $\mu\text{g}/\text{m}^3$	Hydrogen sulphide(H2S) $\mu\text{g}/\text{m}^3$
31	22/07/2017	71.23	27.46	19.19	33.16	BDL*
32	26/07/2017	88.41	42.44	25.42	42.33	BDL*
33	29/07/2017	58.37	25.38	17.54	25.63	BDL*
34	02/08/2017	84.21	41.60	18.40	30.40	BDL*
35	05/08/2017	77.81	46.60	24.47	36.70	BDL*
36	09/08/2017	80.31	49.51	21.38	42.78	BDL*
37	12/08/2017	67.33	27.46	19.20	32.57	BDL*
38	16/08/2017	90.42	54.50	25.34	35.61	BDL*
39	19/08/2017	86.22	38.69	13.20	39.30	BDL*
40	23/08/2017	94.32	42.44	17.48	45.60	BDL*
41	26/08/2017	75.19	29.54	15.20	25.57	BDL*
42	30/08/2017	57.58	21.63	16.74	40.29	BDL*
43	02/09/2017	61.17	35.36	21.33	32.06	BDL*
44	06/09/2017	77.50	42.44	28.07	40.41	BDL*
45	09/09/2017	82.38	50.34	25.35	37.44	BDL*
46	13/09/2017	92.37	48.68	20.24	45.43	BDL*
47	16/09/2017	54.78	23.71	11.56	25.10	BDL*
48	20/09/2017	66.78	39.52	19.87	43.68	BDL*
49	23/09/2017	80.49	44.52	22.81	35.39	BDL*
50	27/09/2017	69.28	27.46	15.84	39.38	BDL*
51	30/09/2017	84.57	31.62	17.49	34.19	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-NaAsO2)	IS:5182(Part VII) 1973

*Below detection limit

H. T. Shah
Lab ManagerDr. Arun Bajpai
Lab Manager (Q)

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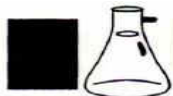
RESULTS OF NOISE LEVEL MONITORING**Result of Noise level monitoring [Day Time]**

SR. NO.	Name of Location	CETP					
		Result [dB(A) Leq]					
		03/04/2017	05/03/2017	06/07/2017	05/07/2017	05/08/2017	20/09/2017
1	6:00-7:00	63.4	62.1	63.4	62.7	58.4	68.4
2	7:00-8:00	61.4	68.7	60.4	69.1	52.7	62.1
3	8:00-9:00	61.8	66.1	61.8	65.7	69.4	69.7
4	9:00-10:00	65.1	66.3	68.4	70.4	62.4	63.1
5	10:00-11:00	72.4	64.7	62.4	72.1	70.1	70.1
6	11:00-12:00	69.4	69.1	65.1	68.1	65.4	72.3
7	12:00-13:00	68.1	70.5	65.3	63.5	64.7	63.1
8	13:00-14:00	69.4	71.7	69.4	65.9	61.05	69.4
9	14:00-15:00	66.1	68.1	73.1	69.1	67.3	64.1
10	15:00-16:00	63.4	68.2	68.4	62.8	65.4	62.8
11	16:00-17:00	66.7	65.2	65.1	66.1	62.4	68.1
12	17:00-18:00	64.1	65.1	65.9	62.8	67.9	71.3
13	18:00-19:00	62.5	65.8	62.4	66.1	61.7	68.1
14	19:00-20:00	63.8	63.1	66.1	69.4	60.8	65.1
15	20:00-21:00	68.1	61.8	66.8	65.6	67.1	65.9
16	21:00-22:00	62.4	60.4	64.1	63.7	68.2	64.2
Day Time Limit*		75 dB(A) Leq					

Result of Noise level monitoring [Night Time]

SR. NO.	Name of Location	CETP					
		Result [dB(A) Leq]					
		03/04/2017 & 04/04/2017	03/05/2017 & 04/05/2017	07/06/2017 & 08/06/2017	05/07/2017 & 06/07/2017	05/08/2017 & 06/08/2017	20/09/2017 & 21/08/2017
1	22:00-23:00	62.1	68.5	62.1	60.4	61.9	55.1
2	23:00-00:00	60.4	66.2	58.4	62.8	58.7	61.8
3	00:00-01:00	63.4	65.3	63.4	59.4	57.1	56.7
4	01:00-02:00	65.1	66.7	67.0	62.7	61.4	59.7
5	02:00-03:00	59.4	61.4	66.1	61.8	63.4	62.1
6	03:00-04:00	61.4	64.4	62.4	60.9	58.8	65.4
7	04:00-05:00	62.7	60.4	61.4	60.4	54.3	60.4
8	05:00-06:00	63.4	63.4	60.4	62.8	53.1	57.4
Night Time Limit*		70 dB(A) Leq					

H. T. Shah
Lab ManagerDr. Arun Bajpai
Lab Manager (Q)

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Minimum Detection Limit [MDL]

Water parameter(mg/L)		
Sr. No.	Test parameter	MDL
1	Total Suspended Solids	1
2	Oil & Grease	1
3	BOD	3
4	COD	5
6	Total Dissolved Solids	3
7	Sulphate	0.3
8	Ammonical Nitrogen	0.05
9	Nickel	0.01
10	Phenolic Compound	0.001
11	Fluoride	0.01
12	Copper	0.013
13	Sulphide	0.01
15	Cyanide	0.0001
16	Residual Chlorine	0.1
17	Boron	0.02
17	Insecticides/Pesticides	0.01
19	Nitrate Nitrogen	0.15
20	Phosphorous	0.15
21	Petroleum Hydrocarbon	0.01
22	Lead	0.005
23	Mercury	0.0005
24	Zinc	0.022
25	Cadmium	0.001
26	Arsenic	0.00015
Sediment parameter(mg/kg)		
1	Petroleum Hydrocarbon	0.2

Ambient Air Parameter		
Sr. No.	Test parameter	MDL
1	Particulate Matter (PM10)	10
2	Particulate Matter (PM 2.5)	10
3	Sulphur Dioxide (SO ₂) (µg/m ³)	5
4	Oxides of Nitrogen (µg/m ³)	5
5	Hydrogen Sulphide as H ₂ S (µg/m ³)	6

H. T. Shah
Lab ManagerDr. Arun Bajpai
Lab Manager (Q)

Annexure – 5



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

**Gujarat Pollution Control Board,
Gj Ins. Desert Ecology
Gj Ins. Desert Ecology
Mundra Road
BHUJ-370001**

Sample ID:200641 - Analysis Completion:09/01/2017

**Common Treatment and disposal facilities (CETP, TSDF,
E-Waste recycling, CBMWTF, Effluent conveyance project,
incinerators, Solvent/Acid recovery plant, MSW sanitary
landfill sites, STP) / LAB Inward : 13395**

TEST REPORT

Test Report No. : 13395

Date: 13/01/2017

- | | |
|---|--|
| 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 | : 5000 |
| 6. Code No. of the Sample | : 200641 |
| 7. Date & Time of Collection & Inwarding | : 02/12/2016 , (1245 to 1250) & 05/12/2016 |
| 8. Date of Start & Completion of Analysis | : 05/12/2016 & 09/01/2017 |
| 9. Sampling Point | : P-Collection Tank ~ from inlet of CETP |
| 10. Flow Details (Remarks) | : -- |
| 11. Mode of Disposal | : On land for gardening and plantation |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : & pH Range on pH Strip :@ 7-8 on pH strip |
| 14. Carboys Nos for | : W-3 & 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	0
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.1
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	80
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Methoc	10 – 200000 mg/L	1610
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Methoc	2 – 10000 mg/L	29
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	7.84
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	75.09
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	679
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	293
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	72
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	5.6
12	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 – 50 mg/l	0.52
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	1.6
14	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	BDL
15	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
16	Nickel	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150 mg/l	BDL
17	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	24



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

**Gujarat Pollution Control Board,
Gj Ins. Desert Ecology
Gj Ins. Desert Ecology
Mundra Road
BHUJ-370001**

Sample ID:200644 - Analysis Completion:09/01/2017

**Common Treatment and disposal facilities (CETP, TSDF,
E-Waste recycling, CBMWTF, Effluent conveyance project,
incinerators, Solvent/Acid recovery plant, MSW sanitary
landfill sites, STP) / LAB Inward : 13396**

TEST REPORT

Test Report No. : 13396

Date: 13/01/2017

- | | |
|---|--|
| 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 | : 5000 |
| 6. Code No. of the Sample | : 200644 |
| 7. Date & Time of Collection & Inwarding | : 02/12/2016 , (1255 to 1300) & 05/12/2016 |
| 8. Date of Start & Completion of Analysis | : 05/12/2016 & 09/01/2017 |
| 9. Sampling Point | : ## Final Outlet of the ETP ~ From final out let of CETP |
| 10. Flow Details (Remarks) | : -- |
| 11. Mode of Disposal | : On land for gardening and plantation |
| 12. Ultimate Receiving Body | : u/g strata |
| 13. Temperature on Collection | : & pH Range on pH Strip :@ 7-8 on pH strip |
| 14. Carboys Nos for | : W-4 & Color & Appearance :Colourless |
| 15. Water Consumption & W.W.G (KLPD) | : Ind :80.000 , Dom :20.000 & Ind :0.000 , Dom :15.000 |

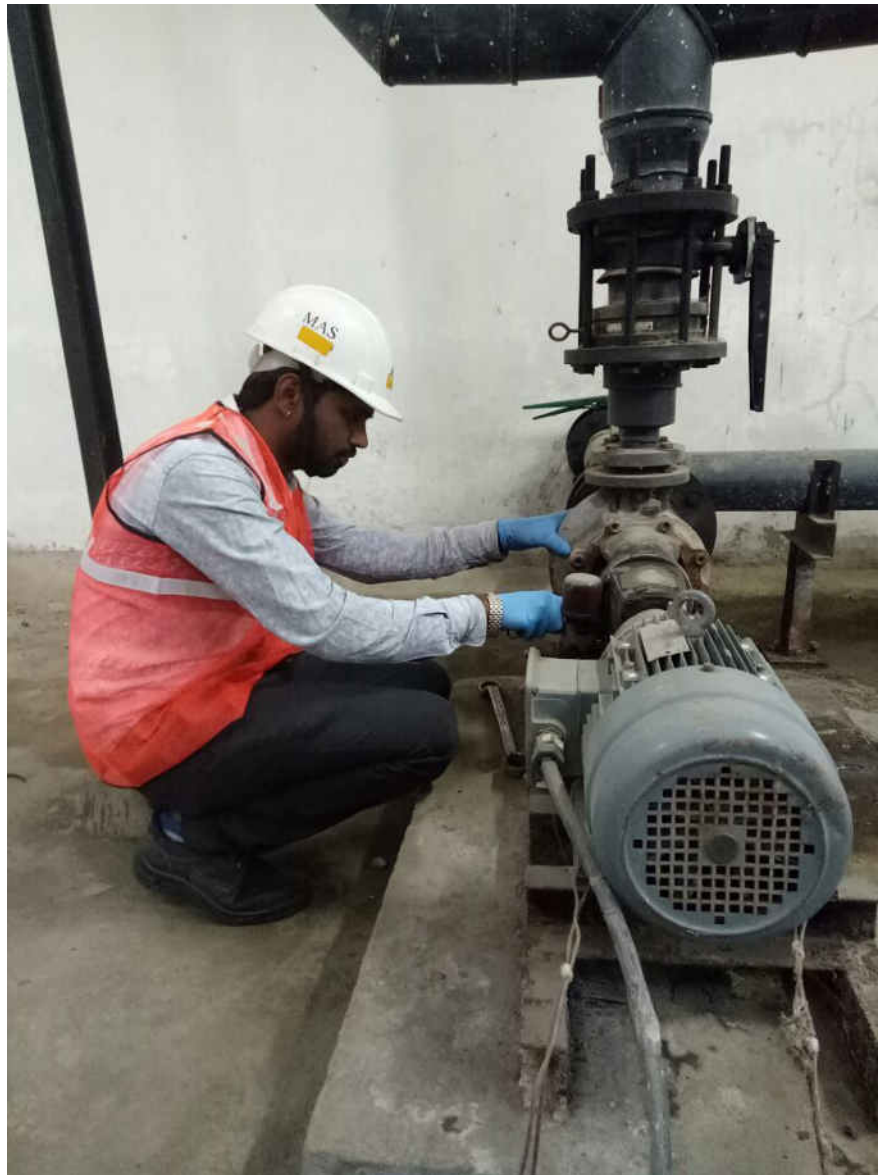
Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	0
2	pH	pH Units	4500 H+ B APHA Standard Methods 22nd edi.2012	1 – 14 pH value As or	7.2
3	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	20
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Methoc	10 – 200000 mg/L	1830
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Methoc	2 – 10000 mg/L	15
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	BDL
7	Percent Sodium	%Na	IS11624-1986(Reaffirmed 2009)	0.01 – 100%.	77.98
8	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard M	1 - 50000 mg/l	704
9	Sulphate	mg/l	APHA(22nd edi)4500 SO4 E	2-40mg/l	233
10	Chemical Oxygen Demand	mg/l	APHA (22nd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	52
11	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	1.6
12	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 – 50 mg/l	0.714
13	Fluoride	mg/l	SPADNS method (4500-F-D APHA standard Methods	0.10-40 mg/l	1.2
14	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	BDL
15	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
16	Nickel	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150 mg/l	BDL
17	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	12.8

Annexure – 6

❖ Chemical Dosing Pumping System



❖ Worker working with PPEs



❖ Chemical Storage Area



Annexure – 7

Unit	Time Parameter	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
Screen Chamber	pH												
Equalisation Tank I	pH		8.24	8.21	8.24	8.31	8.24	8.24					
Equalisation Tank II	pH		7.91	7.98	8.10	7.96	7.99	7.94					
Neutralization Tank	pH		7.24	7.25	7.77	7.34	7.36	7.30					
Aeration tank I	DO		1.0	1.0	1.0	1.0	1.0	1.0					
Aeration tank II	DO		1.0	1.0	1.0	1.0	1.0	1.0					
Guard pond I	pH		8.44	8.44	8.44	8.42	8.45	8.45					
Guard pond II	pH		-	-	-	-	-	-					
Chlorination ORP	Res. Cl												

Daily Analysis

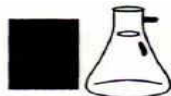
Unit	pH	TDS mg/ltr.	TSS mg/ltr.	COD mg/ltr.	BOD mg/ltr.	Chloride mg/ltr.	MLSS/MLVSS - AT ppm
Un Treated water	8.19	1531	113	290	97	655	
Clarified water	-	-	-	-	-	-	
Treated water	7.86	1422	27	88	29	605	
Aeration tank							
Return Sludge							
Dorf Keta	7.90	1842	176	349	116	822	
Ahistro	7.15	891	138	289	76	417	
Ashapura Garment	-	-	-	-	-	-	
MITAP (Comm. Fac.)	8.17	1393	124	378	126	-	
SKAPS (Unit - I)	7.68	1410	150	352	117	-	
SKAPS (Unit - II)	7.57	1217	217	571	190	-	
GSPC (IH)	7.33	1661	378	791	264	271	
GSPC (ITD)							
GSPC (Vijay)							
GSPC (Toys Engg.)							

Remarks

Operator/Supervisor

Analyst

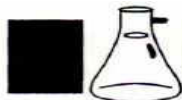
Annexure – 8

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"HALF YEARLY ENVIRONMENTAL MONITORING REPORT"

FOR**BORE HOLE WATER NEAR CETP
TAL: MUNDRA, KUTCH, MUNDRA – 370 421****MONITORING PERIOD:
APRIL 2017 TO SEPTEMBER 2017****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 9001:2008****ISO 14001:2004****OHSAS 18001:2007**

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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'		
GPS Location					
Sampling Date			17/04/2017	19/07/2017	
Sampling Time			12:40	11:30	
1	pH	--	7.93	7.98	IS3025(P11)83Re.02
2	Salinity	mg/L	4.06	4.59	APHA 2520B
3	Oil & Grease	mg/L	BDL*	1.68	APHA(22 nd Edi)5520D
4	Hydrocarbon	mg/L	BDL*	BDL*	GC/GC-MS
5	Lead as Pb	mg/L	BDL*	0.54	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*	0.19	AAS APHA(22 nd Edi)3111 B
8	Total Chromium as Cr	mg/L	0.016	0.011	AAS 3111B
9	Cadmium as Cd	mg/L	BDL*	0.12	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	0.027	1.94	AAS APHA(22 nd Edi)3111 B
12	Copper as Cu	mg/L	BDL*	0.87	AAS APHA(22 nd Edi)3111 B
13	Iron as Fe	mg/L	0.042	18.06	AAS APHA(22 nd Edi)3111 B
14	Insecticides/Pesticides	mg/L	BDL*	BDL*	GC/GC-MS
15	Depth of Water Level from Ground Level	meter	2.4	3.2	--

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

Annexure – 9

Dr. Maulik Patel

DNB, Internal Medicine Reg. No. - 33085

Consultant physician

Adani Hospital, Mundra

Patient Name:

Rameshram B. Patel

SM NO.:

18632

BP = 120/80
mm of Hg

No u/o DM/HTN

No u/o Major MW

All Repts Recd

① Dyslipidemia

DM
- Diet Therapy -

Dr. Maulik Patel
DNB Internal Medicine Reg No. G-33085
Consultant Physician
Adani Hospitals Mundra Pvt. Ltd

General :
 Skin : (1)
 Sclera : (1)
 Teeth and Gums : (1)
 Puffiness of Face : MAD

Nail : (1)
 Pedal Oedema : (1)
 Lymphadenopathy : MAD

Respiratory System :
 Air Entry : all A equal
 Breathing : normal
 Extra Sounds : MAD

Cardiovascular System :
 Heart : S 1 S 2 (1)
 Peripheral Pulsation : reflexive

Abdomen :
 Contour : (1)
 Tenderness : MAD
 Free Fluid : MAD
 Liver / Spleen / Kidney / Lump : not palpable

Central Nervous System :
 Higher Function :
 Cranial Nerves :
 Motor System : (1)
 Sensory System :
 Reflexes :

CONCLUSIONS :

RECOMMENDATIONS :

Annexure – 10

Details of Greenbelt development at APSEZ, Mundra

LOCATION	Total Green Zone Detail (Up to Sep'17)				
	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)
SV COLONY	65.34	30051.00	6965.00	51138.00	80069.00
PORT & NON SEZ	77.52	131942.00	18613.00	68166.78	58455.18
SEZ	99.52	227135.00	15924.00	220449.60	27462.03
MITAP	2.48	8168.00	33.00	1670.00	4036.00
WEST PORT	83.20	182118.00	50221.00	24112.00	22854.15
AGRO- PARK	7.52	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.08	25150.00	3430.00	3882.00	4826.97
Samudra Township	38.67	28252.00	11818.00	19978.07	35071.67
Productive Farming	15.69	19336.00	0.00	0.00	0.00
TOTAL (APSEZL)	404.02	669396.00	108336.00	394796.45	234896.44
		<i>777732</i>			

Annexure – 11

A. Green Development at APSEZL,Mundra (Till Nov.2017) as per EC							
Green Belt Developed as per EC Condition							
Sr.No.	Symbol	EC	Ec Details	Locations	Green Belt (ha.)	Trees (No.)	Average Tree Density (No.)
GB1		23.Au.1995	Handling facility of General cargo/PSU/Chemical and their storage terminal at Navdal Island	Navdal Island, Liquid area	15.15	51605	3406
GB2		20.Sept.2000	Port Expansion project including drybulk/break bulk cargo/container terminal,Rly Link , related ancillary and back up	Inside port,Avenue, Fire station,Rly building, CT2 area,etc	13.66	18074	1323
GB3		21.July.2004	SPINCOOT and connected pipeline at,mundra port	IOCL/NPCL /HMPL area	6.1853	7607	1230
GB4		05.Feb.2007	Development of Multipurpose berth(T2),Mundra	Terminal 2	4.37	5988	1370
GB5		12.Jan.2009	Waterfront development project at,mundra	Waterfront area (Adani hq and nearer area,South and west basin,APL Road,etc)	122.36	281819	2303
GB6		20.Feb.2010	Establishment of CETP (17VLD) capacity at,survey no.141(gan),Mundra	CETP area and treated water utilization area	16.98	31083	1831
GB7		20.Feb.2010	Township and area Development project at,survey no.141P(ari),Mundra	Samudra township , Adani hospital,Parity of (Bhulali) river bank,etc	43.55	59166	1359
(A.)Total					222.25	455342	2048
Additional Green Belt Developed							
B. Additional Green Development at APSEZL,Mundra (Till Nov.2017)							
Sr.No.	Area Details				Green Belt (ha.)	Trees(No.)	Tree Density (No.)
GB8		Shantivan colony,Adani School,Temple,Guest, houses,Mundra			65.34	40594	621
GB9		M-top and nearer area			2.4	8168	3403
GB10		Agriculture area			7.52	17244	2293
GB11		Airstrip and airstrip road (Along road from Rly Gate 24 to 25,North gate 5 other SEZ area			88.79	243059	2737
GB12		New Development (area 1 to 13 ,A,B)			26.03	38625	1484
(B.)Total					190.08	347650.00	1828.97
Total Green Development at APSEZL,Mundra (Till Nov.2017)							
Sr.No.	Area Details				Green Belt (ha.)	Trees (No.)	Tree Density (No.)
	A+B				412.34	802992.00	1947.42

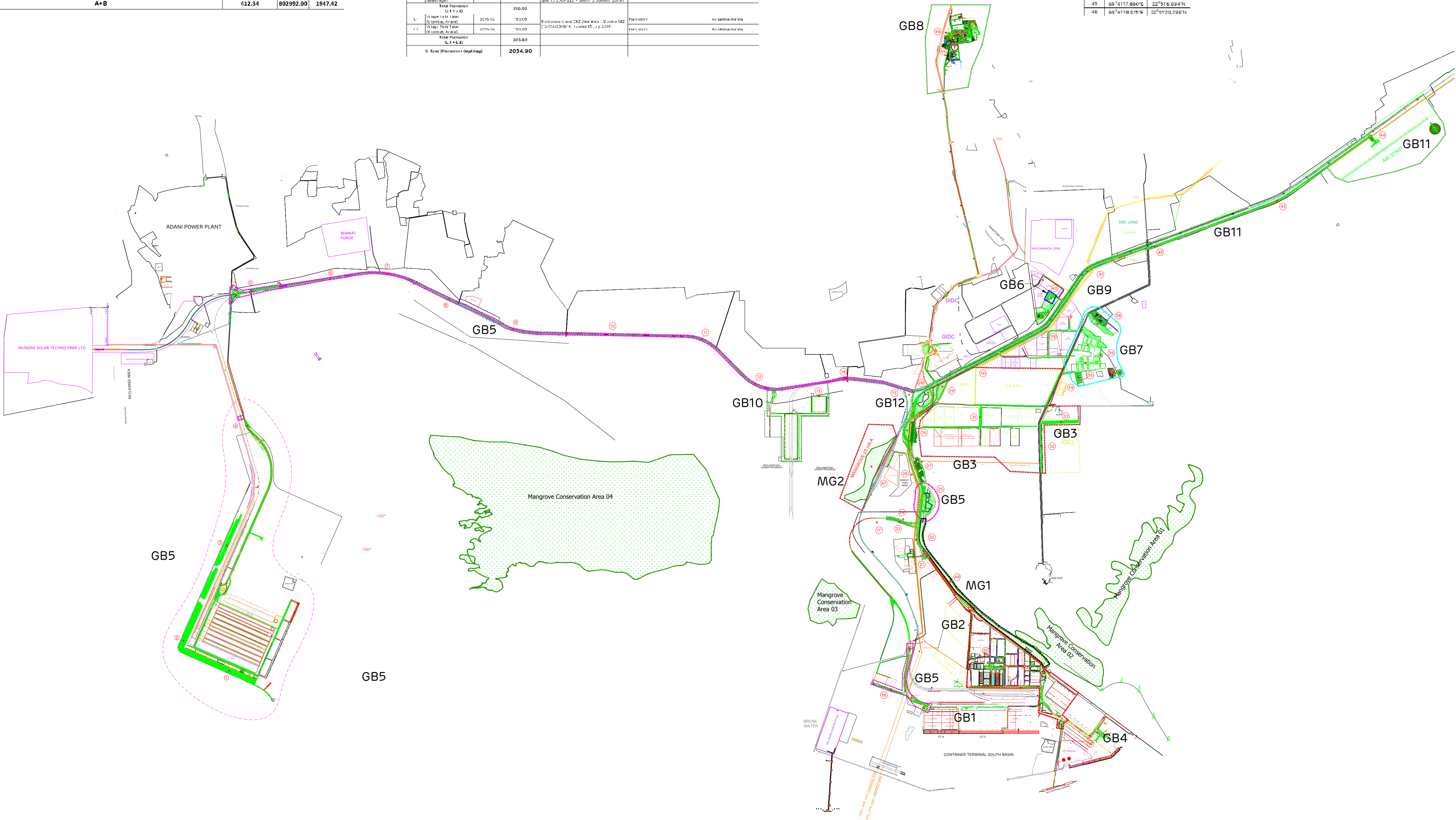
Mangrove Afforestation Till Nov.-2017						
Sr. No.	Location	FT	Area (Hectare)	Clearance Reference	Plantation/Gap Filling	Species
A.1	Adani Port Area (Mundra, India)		24.00	24.00	Plantation	Azadirachta indica
Total Plantation						
B.1	Adani Port Area (Mundra, India)		25.00	25.00	Plantation	Azadirachta indica
Total Plantation						
C.1	Adani Port Area (Mundra, India)		2007.08	2007.08	Plantation	Azadirachta indica
C.2	Adani Port Area (Mundra, India)		2009.10	2009.10	Plantation	Azadirachta indica
C.3	Adani Port Area (Mundra, India)		2010.17	2010.17	Plantation	Azadirachta indica
C.4	Adani Port Area (Mundra, India)		2011.12	2011.12	Plantation	Azadirachta indica
C.5	Adani Port Area (Mundra, India)		2012.11	2012.11	Plantation	Azadirachta indica
Total Plantation (B.1+C.1+C.2+C.3+C.4+C.5)						
D.1	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
D.2	Adani Port Area (Mundra, India)		2013.14	2013.14	Plantation	Azadirachta indica
Total Plantation (D.1+D.2)						
E.1	Adani Port Area (Mundra, India)		2011.12	2011.12	Plantation	Azadirachta indica
E.2	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
Total Plantation (E.1+E.2)						
F.1	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
F.2	Adani Port Area (Mundra, India)		2013.14	2013.14	Plantation	Azadirachta indica
Total Plantation (F.1+F.2)						
G.1	Adani Port Area (Mundra, India)		2007.08	2007.08	Plantation	Azadirachta indica
G.2	Adani Port Area (Mundra, India)		2008.09	2008.09	Plantation	Azadirachta indica
G.3	Adani Port Area (Mundra, India)		2009.10	2009.10	Plantation	Azadirachta indica
G.4	Adani Port Area (Mundra, India)		2010.17	2010.17	Plantation	Azadirachta indica
G.5	Adani Port Area (Mundra, India)		2011.12	2011.12	Plantation	Azadirachta indica
G.6	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
G.7	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
G.8	Adani Port Area (Mundra, India)		2013.14	2013.14	Plantation	Azadirachta indica
Total Plantation (G.1+G.2+G.3+G.4+G.5+G.6+G.7+G.8)						
H.1	Adani Port Area (Mundra, India)		2006.07	2006.07	Plantation	Azadirachta indica
H.2	Adani Port Area (Mundra, India)		2007.08	2007.08	Plantation	Azadirachta indica
H.3	Adani Port Area (Mundra, India)		2008.09	2008.09	Plantation	Azadirachta indica
H.4	Adani Port Area (Mundra, India)		2009.10	2009.10	Plantation	Azadirachta indica
H.5	Adani Port Area (Mundra, India)		2010.17	2010.17	Plantation	Azadirachta indica
Total Plantation (H.1+H.2+H.3+H.4+H.5)						
I.1	Adani Port Area (Mundra, India)		2010.17	2010.17	Plantation	Azadirachta indica
I.2	Adani Port Area (Mundra, India)		2011.12	2011.12	Plantation	Azadirachta indica
I.3	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
I.4	Adani Port Area (Mundra, India)		2013.14	2013.14	Plantation	Azadirachta indica
I.5	Adani Port Area (Mundra, India)		2014.15	2014.15	Plantation	Azadirachta indica
Total Plantation (I.1+I.2+I.3+I.4+I.5)						
J.1	Adani Port Area (Mundra, India)		2010.17	2010.17	Plantation	Azadirachta indica
J.2	Adani Port Area (Mundra, India)		2011.12	2011.12	Plantation	Azadirachta indica
J.3	Adani Port Area (Mundra, India)		2012.13	2012.13	Plantation	Azadirachta indica
J.4	Adani Port Area (Mundra, India)		2013.14	2013.14	Plantation	Azadirachta indica
J.5	Adani Port Area (Mundra, India)		2014.15	2014.15	Plantation	Azadirachta indica
Total Plantation (J.1+J.2+J.3+J.4+J.5)						
G. Total (Plantation + Gap Filling)						
			2034.90			

Lat Long Of Green Belt Area

Sr. No.	Latitude	Longitude
1	69°33'28.798"E	22°44'58.842"N
2	69°33'2.399"E	22°44'14.366"N
3	69°33'32.735"E	22°44'17.109"N
4	69°33'44.502"E	22°44'20.600"N
5	69°33'41.000"E	22°44'43.366"N
6	69°34'31.981"E	22°48'30.120"N
7	69°35'11.003"E	22°48'54.268"N
8	69°35'58.337"E	22°48'36.557"N
9	69°36'38.620"E	22°48'19.674"N
10	69°37'44.688"E	22°48'16.757"N
11	69°38'35.693"E	22°48'14.104"N
12	69°39'12.516"E	22°47'46.137"N
13	69°39'51.720"E	22°47'39.717"N
14	69°40'10.522"E	22°47'50.513"N
15	69°40'48.508"E	22°47'40.512"N
16	69°40'47.610"E	22°47'13.545"N
17	69°40'28.982"E	22°46'29.237"N
18	69°40'36.406"E	22°44'44.679"N
19	69°42'43.751"E	22°44'17.492"N
20	69°40'47.412"E	22°44'37.928"N
21	69°40'56.517"E	22°44'48.039"N
22	69°40'53.035"E	22°44'53.077"N
23	69°40'42.589"E	22°44'28.874"N
24	69°40'43.374"E	22°46'52.176"N
25	69°41'0.640"E	22°46'53.096"N
26	69°40'50.601"E	22°46'53.159"N
27	69°40'54.893"E	22°47'3.674"N
28	69°40'57.778"E	22°47'36.690"N
29	69°41'9.999"E	22°47'44.044"N
30	69°41'30.201"E	22°47'37.091"N
31	69°41'34.576"E	22°47'26.319"N
32	69°42'13.937"E	22°47'13.181"N
33	69°42'26.889"E	22°47'23.693"N
34	69°42'37.345"E	22°47'50.499"N
35	69°42'42.020"E	22°47'56.765"N
36	69°42'51.726"E	22°48'3.073"N
37	69°42'43.597"E	22°48'9.571"N
38	69°42'50.969"E	22°48'21.573"N
39	69°42'14.688"E	22°48'18.784"N
40	69°42'19.806"E	22°48'37.682"N
41	69°42'43.190"E	22°48'32.628"N
42	69°43'26.341"E	22°48'36.789"N
43	69°44'49.105"E	22°48'36.607"N
44	69°45'48.633"E	22°50'38.344"N
45	69°41'17.896"E	22°51'6.694"N
46	69°41'18.675"E	22°51'2.296"N

Lat Long Of Mangrove Area

Sr. No.	Latitude	Longitude
47	69°40'22.704"E	22°46'59.824"N
48	69°41'12.855"E	22°45'49.811"N



DRG NO. HORTI/APSEZL

Implemented Green Zone Development In APSEZL Area
(Mangrove afforestation and Conservation,
Green Zone area & Additional Green Belt Development)

DRG. TITLE:
Landscape Drawing

SCALE :- N.T.S.
DATE :- 14.11.2017

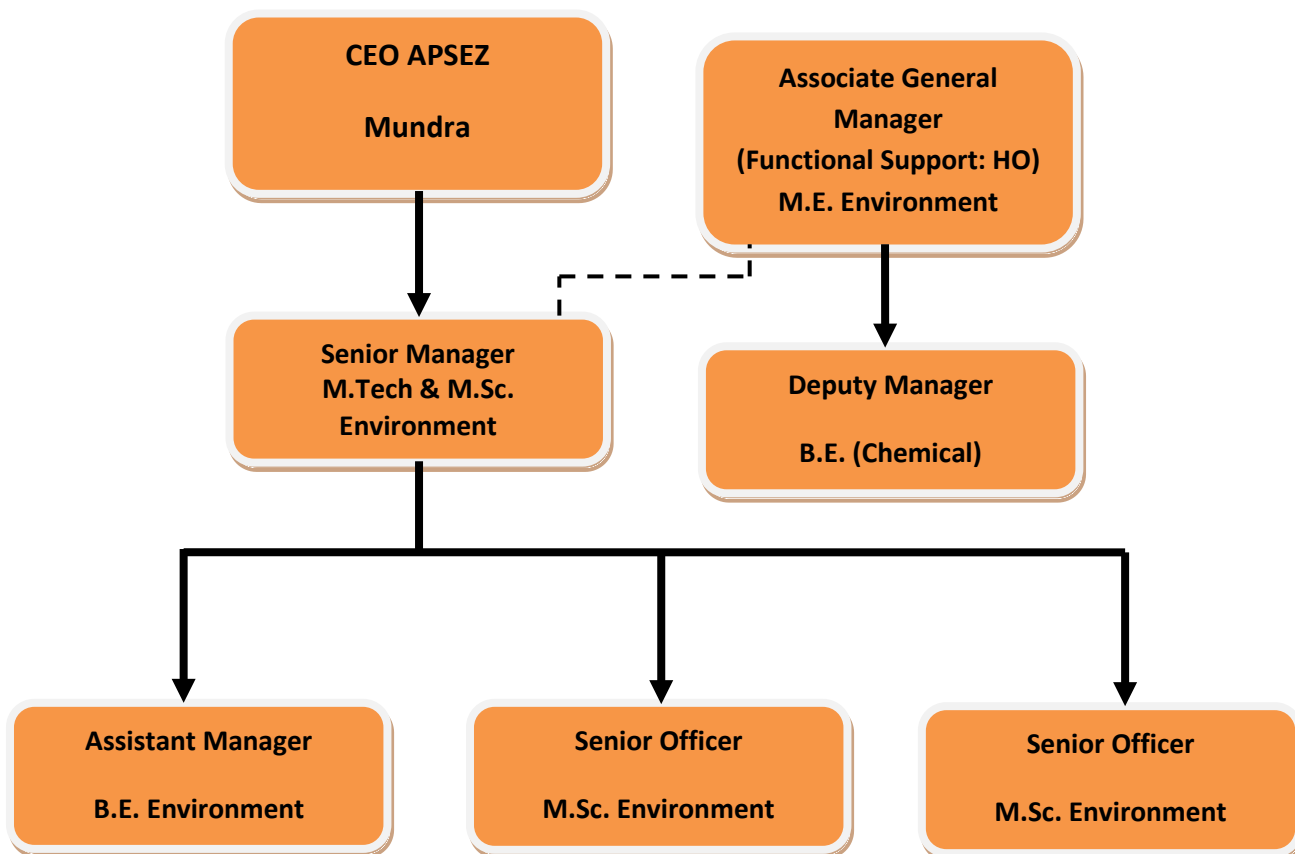
adani™
DEPT.OF HORTICULTURE
ADANI PORTS & SPECIAL ECONOMIC ZONE LIMITED,
MUNDRA .

Annexure – 12

MIS - MPSEZ - SEZ AREA						
Sr. No.	Duration	Location	Type of incident/Activity	Brief Description	Action Taken	Photographs
MUPL - CETP						
1	May-17	Tanker Loading Point	Leakage in tanker loading line	CETP Tanker loading HDPE Line leakage	Welding work Done	
2	May-17	Filter Pump House 02	Pump stopped - Not working	CETP Filter Pump house 02 no's pumps were in stopped condition due to motor problem	both motor repairing work done and installation work done	
3	May-17	Equalization pump house	Pump stopped - Not working	CETP Equ. Tank Pump house 02 no's pumps were in stopped condition due to motor problem	both motor repairing work done and installation work done	
4	Aug-17	Secondary Clarifier	Gear Box general services	Gear Box general services	General services done	--

Annexure – 13

Organogram of Environment Management Cell, APSEZ, Mundra



Annexure – 14

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lakh)			Budgeted Cost (INR in Lakh)
		2015 – 16	2016 – 17	2017 – 18	2017 – 18
1.	Environmental Study / Audit and Consultancy	45.45	36.78	9.00	21.00
2.	Legal & Statutory Expenses	3.30	4.76	9.48	16.00
3.	Environmental Monitoring Services	26.80	27.95	12.00	36.00
4.	Hazardous / Non Hazardous Waste Management & Disposal	34.56	12.52	31.9	90.84
5.	Environment Day Celebration	7.18	6.71	2.68	10.00
6.	Treatment and Disposal of Bio-Medical Waste	1.22	1.27	0.75	1.44
7.	Mangrove Plantation, Monitoring & Conservation	73.64	72.38	60.0	60.0
8.	Other Horticulture Expenses	434.72	555.00	494.0	556.5
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	18.18	61.50	39.89	69.35
10.	Expenditure of Environment Dept. (Apart from above head)	135.90	131.83	22.83	104.91
Total		837.73	910.70	682.53	966.04

Annexure – 15



Contents

Education

Adani Vidya Mandir, Bhadreshwar

Community Health

G.K.G.S, Bhuj

Fisherman Amenities

Agriculture Initiatives

Rural Infrastructure Development

Adani Skill Development Centre

Media Corner



Mission AF : "Save Girl Child"
& "Greet Girl Child"

2

Education :

- Praveshotsav Kit is ready for 106 schools of Mundra Taluka, 6 Schools of Mandvi Taluka and 8 Schools of Anjar Taluka. Total 2200 kit distributed.
- Initiated Same concept at Sharda Mandir Govt Primary school Mundra (School is situated between worker/labour Vasahats. Students are not able to cope up with basic subjects (Maths, Science and Gujarati). Our objective is to strengthen their base and increase their minimum level.
- Total more than 80 students benefitted, minimum level exams taken. Students are distributed as per their levels after minimum level test. Course material is designed for all level. Not only study we do over all personality development and personnel meeting with each students.
- **Education : Fisherman**
- Children are of age 2.5 to 5 years are learning in Balwadi and they also teach each other. Children are learning rhythms, best out of waste, balvarta display on LCD and other activities of education with fun. Total Number of students : 1st year – 64 and 2nd Year – 81 Total : 145 students are studying in Balvadi
- Education Material support to 67 Students of Juna Bandar, Zarpara, Navinal, Bhadreshwar & Vandi of Standard 9th and 10th.
- Vehicle Support is planned for 106 students of Juna Bandar, Luni Bandar, Bavadi Bandar and Luni Village. Entertainment through Games like Snakes and Leaders.
- As Education initiative for children at Balwadi are able to read write and speak A B C , numeric 1-50 very well. Moreover they are also teaching other fellow students.

3



EDUCATION PROJECTS

1. Balvadi at Fisherfolk settlements
2. Other Education Project

Adani Vidya Mandir : Success in Gujrat Board Examination



AVMB Std.-10 First Batch Result 2016/17

No.	Grade	Students	Pass
1	Upto 70%	2	Pass
2	Upto 60%	5	Pass
3	Upto 50%	11	Pass
4	Upto 45%	3	Pass
Total		23	21
Percentage		90%	

AVMB Std.-10 First Batch Result 2016-17

Adani Vidya Mandir Bhadreshwar achievement in Gujrat Board Standard 10th Examination Result 91% (21 students have passed the examination out of 23). Adani Foundation will take all responsibility of further study of students with respect to their interest.

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Community Health : Mundra

Mobilevan OPD April to Sep-2016							
Month	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Total
OPD	2758	2460	2157	1751	2024	1927	13077

Rural Clinic OPD April to Sep-2016							
Month	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Total
OPD	2999	2811	3034	2275	2390	2484	15993

Senior Citizen Scheme	
Month	OPD
April	710
May	796
June	787
July	804
Aug.	758
Sep.	932
Total	4787

Poor Patients Support
698 Patients had been supported for treatment of illness.

• Mobile Dispensaries & Rural Clinics

During this six month, total **13077** patients were provided with free Health Care Services by Mobile Dispensaries at 26 villages and 6 Fisherfolk settlements . **15993** patients benefitted by the medical services at Rural Clinics at 11 locations.

• Health Cards to Senior Citizens

During the month, total **4787** transactions were done out of **7487** card holders by beneficiaries Sr. Citizens of 65 Villages Mundra Taluka and they received cash less medical services Under this project. We have entered into third phase of the project.

Dialysis Data April -17 To Sept-17								
Sr.No.	Patient Name	17-Apr	17-May	17-Jun	17-Jul	17-Aug	17-Sep	Total
1	Ramjan Adam	8	10	10	7	8	7	50
2	Narshi Samecha	5	-	-	0	0	0	5
3	Karim Theba	10	10	11	11	8	7	57
4	Budhiya Juma	8	7	9	5	0	0	29
Total.		31	27	30	23	16	14	141

Sr.No	Name CFS	Total HCP	Submit Cards	submit Files
1	All Cargo	10	5	10
2	Sea Bird	20	14	20
3	Maruti Nandan	78	22	66
3	Saurashtra CFS	90	90	90
4	other all CFS	227	67	66
Total		425	198	252

Overview: "Suposhan Project"

- To curb malnutrition amongst Children, Adolescent girls and Women in our CSR villages
- To reduce malnutrition and anaemia amongst adolescent girls and pregnant & lactating women by 70% in three years
- To create awareness about the issue of malnutrition and anaemia and related factors amongst all stakeholders and role they may play in curbing the issue
- To create a pool of resources to be utilised for combating the issue of Malnutrition and Anaemia
- To support efforts in reducing IMR and MMR

Strategy: "Suposhan Project"

- Community based intervention with Community Health Workers from local communities. (Sangini)
- Each child and especially malnourished will be mapped with growth chart
- Regular inputs of THR, RUTF and other micronutrients, treatment when necessary facilitated via Govt. Schemes and if necessary through AF
- FDGs with mothers and adolescent girls
- Village meeting one in a month at every village
- Health camp every month
- Awareness campaigns
- Cross Functional, across locations learnings

Outcome: "Suposhan Project"

- Reduction in occurrence of malnutrition amongst Children by 95 % in three years
- Reduction in malnutrition and anaemia amongst adolescent girls and pregnant & lactating women by 70% in three years
- Create awareness about the issue of malnutrition and anaemia and related factors amongst all stakeholders and role they may play in curbing the issue
- Create a pool of resources to be utilised for combating the issue of Malnutrition and Anaemia
- Support efforts in reducing IMR and MMR

Community Health All Project Data at Adani Hospital - Total OPD & IPD for April to September-2017

Community Health Project OPD & IPD Data April -17 to Sep-17																			
Projects	Apr-17			May-17			June-17			July-17			Aug-17			Sep-17			Total
	OPD	IPD	Total	OPD	IPD	Total	OPD	IPD	Total	OPD	IPD	Total	OPD	IPD	Total	OPD	IPD	Total	
Sr.Citizen	710	0	710	796	0	796	787	0	787	804	0	804	758	0	758	932	0	932	4,787
Medical Supports	120	3	123	127	5	132	115	3	118	82	1	83	115	0	115	126	1	127	685
Physio Camp	0	0	0	0	0	0	23	0	23	23	0	23	7	0	7	14	0	14	67
Dialysis	31	0	31	25	0	25	30	0	30	23	0	23	16	0	16	14	0	14	139
CFS Drives HCP	0	0	0	0	0	0	0	0	0	162	0	162	175	0	175	86	0	86	423
Total	861	3	864	948	5	953	955	3	958	1094	1	1095	1071	0	1071	1172	1	1173	6101

Overview: "Suposhan Project"

Community Engagement and other Activities		Sept-17
Sr.No	Activity	Progress
1	No of Sangini	40
2	Total Village Cover	56
3	Total Anghanvadi Cover	99
4	Total PRA	9
5	SAM to MAM Monitoring Progress	28
6	MAM to Normal Monitoring Progress	13
7	SAM/MAM Child Camp	3
8	Focus Group Discussion	1003
9	Family Based Counselling	174
10	Village level Events	390
11	Formation of women's groups	242
12	Formation of adolescent's Groups	219
13	No of SAM children referred to CMTC	18
14	No of SAM children provided with RUTF	58
15	Total HB screening - RPA	2172
16	Total HB screening - Adolescent girls	3774
17	Women in RPA provided with IFA Tablets	161
18	Adolescent girls provided with IFA Tablets	239
19	Anthrometry Study (0 to 5)	7202
20	Sangini Meeting	17
21	Sangini Training	9

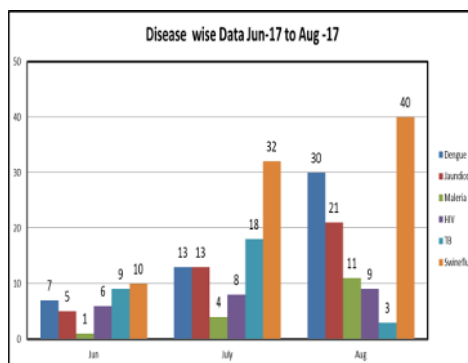


Community Health : Overview



GAIMS : Health is Wealth

- Total 5547 Patients received Special Care and Coordination upto Sep 17 at GKGH regarding Hospital, Lab, OPD Department, Ward and Pharmacy Service.
- During six months Different 125 Village Level Meetings Organised with Sarpanch, Leader, Women Groups and other Stakeholders .
- We have Started School Health Check Up Under the **"Safe child Project"** in this six months Total 11 Schools Covered and 2263 Students has been benefited in camp.
- In this six months Total 363 dead bodies were shifted to different villages in Kutch District.



Safe Child Project/ School Health Checkup

No of School	Covered	No.of Student	Covered
	11		2263

Death Body Van and Hospital Death Data

Sr No.	Month	AF Van	Death in GKGH
1	April	57	65
2	May	63	78
3	Jun	52	58
4	July	49	55
5	Aug	75	92
6	Sep	67	120
	Total	363	468

Fisherfolk Amenities

Computer training : 30 Fisherman Youth

- Regular Meetings at bandar with fishermen, fisheries department and coast guard
- to create awareness about fisheries scheme and cooperate during mock drill and Vessel approach
- Meeting at Kutdi regarding street light drinking water and approach.

Sewing training : 60 Women (Zarpara/Juna Bandar)

- Meeting and site visit with Luni fishermen leader & Kutch Jilla Machhimar Association Pramukh to provide potable water at Bavadi, Randh and Luni fishermen vasahat with collaboration of gram panchayat and GWIL(Gujarat water infra structure limited).
- Survey and meeting with fishermen regarding use of "Ma- Amrutam Yojna" and RSBY card.

- We have applied for Model cage unit in fisheries department for juna bandar(shekhdiya) fishermen in consultation with CMFRI.
- Cage culture project the total production may be 120 kg and we have plan for harvesting In next month. Community operated projects and taken care by community.

Mangroves plantation : 4000 Man-days

- With the help of I Khedut portal We can apply online for different agricultural(fisheries)department scheme.
- We have create awareness of this portal by Luni and Juna Bandar computer training center

Painting Labour : 3800 Man-days

Sustainable Livelihood Programme

Fodder Demonstration

Demonstration for NB 21 extended with 42 farmers to get better results for fodder cultivation. In this project, Parjanya Ecology was our implementing partner and Krishi Vigyan Kendra was our guide for the project. Total 14 acre land has been covered under this demo production in first phase 1.12 Lac Kg.



"Saheli Mahila Gruh Udyog"

Till date "Saheli Mahila Gruh Udyog" has annual turn over of more than Rs. 5.00 Lacs. After one year of Pilot phase, Saheli Mahila Gruh Udyog includes 70 women. We are planning to convert "Saheli Mahila Gruh Udyog" into Producer company. Planning for 1. Production of Hygiene Products 2. Edible products and 3. Handicraft items capacity building women group

"Beti Vadhavo"

Beti Vadhavo Abhiyan initiative has been taken by Adani Foundation in order to change the mindset of our society and think positively towards the girl child since four years. We are greeting each girl child born in Mundra Taluka with Kit including (one pair cloth, soap, shampoo, powder, mosquito net, bed sheet and nutritious food for mother). Joint efforts of Taluka Health Office, ICDS and Adani foundation greeted 121 daughters at Tunda, Siracha, Vadala, Goersama, Navinal and Gundala Village.

"Support to Handicapped, widows and senior citizen by Govt Schemes"

- We are 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 to two persons for the handicapped in coordination with Bhuj Samaj Suraksha Khata for regular visit and follow up.
- During the period , 8 widows and 204 handicapped - total 212 members got benefitted by different schemes of Government. The financial benefit of the senior citizen Yojana is Rs. 400 per month and the widow scheme is of Rs. 900 per month.

Rural Infrastructure Development : Building Block of the Society

Adani Foundation has designed, planned and built a strong infrastructure for bettering education, community health, agriculture and living standards, all according as per official requests and demands of people of the community and the Gram Panchayat.

Work completed :

- Mota Bhadiya and Bhujpur- Pond deepening work
- Bhadreshwar- Prayer shed in School
- Kandagara – Garden work in matang temple
- Zarapara – canal repairing work
- Shekhadia- Pagadiya fisherman road repair
- Shekhadia- construction of Bhunga Pagadiya fisherman
- Kutdi bander- construction of cricket pitch
- ASDC- civil works completed.
- Kandagara - Repairing of Checkdam and river widening
- Mundra- crematorium development
- Ragha - Prayer shed in primary school
- Shekhadiya – Const. of house of fisherman



Adani Skill Development Center: Mundra

Along with computer related trainings, Stitching and Bagging training, Beauty Parlor and Mobile Repairing Training are also in full fledge at Gundala, Adani Ports, Navinal and Mundra

Soft Skill training					
Sr. No.	Course Name	Location	Male	Female	No.of students
1	Beautification training.	Mundra	0	20	20
2	Advance Excel training	Adani house	20	0	20
3	IT Basic Computer training	Navinal	13	7	20
4	IT Basic Computer training	ASDC	2	4	6
5	IT Basic computer-CRTG student training	ASDC	7	0	7
6	Wedding Mehnadi training	Gundala	0	16	16
7	Thread work training	Gundala	0	20	20
8	IT Basic computer-CRTG student training	ASDC	7	0	7
9	Spoken English	ASDC	13	3	16
10	IT Basic Computer training	Adani house	20	0	20
11	IT Basic Computer training	ASDC	0	7	7
12	IT Basic computer-CRTG student training	ASDC	7	0	7
13	Thread work training	Luni	0	14	14
14	Computer Excel training	Adani house	19	0	19
15	IT Basic Computer training	ASDC	7	0	7
		Total - A	115	91	206

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Adani Skill Development Center: Mundra

Technical Training					
1	Checker cum RTG crane operator training	APSEZ	21	0	21
2	Tailoring training	Borana	0	30	30
3	Tailoring training	ASDC	0	14	14
4	Tailoring training	Mundra	0	41	41
5	Vocational training	Zarpara	38	7	45
		Total - B	59	92	151
Carrier Guidance and Knowledge bage training					
1	Personality Development training	ASDC	23	4	27
2	Personality Development training	ASDC	13	3	16
		Total - C	36	7	43
		Grand Total A + B+C =	210	190	400



Important Events

Adani Cricket tournament final match between Navinal and Kathada team was organized at Shantivan cricket ground. The Final match was very thrilling and after all king of Navinal team won. We invited fishermen leader from different villages and officers from Gujrat Fisheries board, Forest and Sport department. on this occasion Mr. Mukesh Saxena (COO,APSEZ) were present to motivate players and promised to support them for coaching for their better future in cricket. The trophy and prize of- 25000 INR and 15000 INR awarded to winner and runners up team. Total 58 team & 609 Youth participated in tournament and We distributed cricket kit to all participated teams. **The best player is selected for training at Rajkot (Yusuf Bamaniya Academy) for his bright future.**



Shikshan Manthan Shibir

Background : Kutchh District is very poor in case of Education. Educational Standards of Govt. School is considerably depraved. It leads to pathetic situation for students. It continuously destroys our young generation in absence of proper direction and base. That's why we have planned for workshop for school teachers on innovative teaching.

Objective : It will be one of the many initiatives taken by AF to changing the teaching patterns being practised and how to simplify it.

Outcome : This would be extremely beneficial for the teachers and would help them get equipped with new teaching techniques and broaden up their notions in the domain of education

Impact : This kind of workshops can have a long term impact on the development of teachers and enhance their soft skills. First Workshop arranged on 1st Aug 2017 Guest : Mr. Jargela – DPEO

Beneficiaries : Principles of all 106 primary schools of Mundra

Trainers : Mr. Daxa Rajgor and Mr. Sanjay Thaker (District Institute of Education Training)

Seminar on " Qualities of an effective teacher: This module has given answers to some focussed questions on Qualities of an effective teacher like How, why and what works best in a classroom? Child psychology. Where to start to improve in teaching learning styles? What makes an effective teacher?

Important Events

Adani Foundation believes that, "The children of today will shape the future of tomorrow" and "We should always give a chance and support to educate girl child". To make bright future of children of fisherman Adani foundation has provided fee support to 174 Students at SMJ High School Luni.



Adani Foundation plays role of facilitator between government and community for Government Schemes for divyang, widows and senior citizens. Till date we were supporting divyang by schemes of state government. Tri-cycles were distributed among 142 differently able persons of Mundra and surrounding areas, at a function held at Mundra Taluka Health Office on Wednesday. AF, Mundra coordinated the entire process of issuance of tri-cycles to the beneficiaries with concerned authorities in Govt. of India and facilitated the distribution jointly with local Health dept. authorities.

Public hearing Copper Plant. Adani Foundation Mundra has organized "Sneh Milan" Programme on 27th April 2017 Thursday. Total 155 local people participated including Sarpanch, village leaders and NGO working for welfare of community and media as well. Main Objective of Sneh Milan Programme was to brief about upcoming "Adani Copper Project". Mr. Surya Rao (VP, Adani Copper) had presented information about copper plant. Mr. Mukesh Saxena had warmly welcomed community leaders and obliged for their strong support in journey of development.



18

Stake holder Engagement

Women Participation in income generation activities through self help groups has created a positive impact on the life pattern of women and that has empowered them at various levels not only as individuals but also as members of the community and the society as whole. Adani Foundation has developed 7 SHG Groups consists of 97 members (Saving 2.5 Lacs for 18 months). Apart from savings, this women are associated with Saheli Mahila Gruh Udyog – preparing household items i.e. washing powder, phynayle, dish wash liquid etc. The groups are empowered to market their products themselves. The profits drawn from their rural enterprises are now being used for their essential family requirements and education of their children.



Regular meetings with Fisherman Community at Vasahats are conducted regularly. Main topics are covered about safety in sea, importance of savings, health and hygiene, various schemes of fisheries department, women empowerment, training and development of Adani skill development center etc. This type of interaction create trust and transparency towards community. Direct contact will increase rapport also. AF Team is also part of community function as well as personnel functions of the community. The youth engagement initiatives i.e. fisherman cricket match, cycle marathon etc. are also necessary.



19

Biogas is a clean, non-polluting and low cost fuel. It contains about 55 to 75 percent methane, which is inflammable. Bio gas can be produced from cattle dung, human waste and other organic matter by a process called "Anaerobic digestion" which takes place in a biogas plant. The digested effluent, which comes out of the plant, is enriched manure.

The Multiple benefits of the biogas have changed many lives in rural areas. During the last year 11 plants have been constructed and process for 10 more plants is going on. We are providing support addition to Government support to the beneficiary. (Under bio-gas scheme of government, the total cost is Rs.33, 500 out of which Rs.15, 000 will be granted by the government and out of the pending amount of Rs.18, 500 sum of Rs.10, 000 will be contributed by the Adani Foundation. The beneficiary will have to pay only Rs. 8, 500). Beneficiary women use the time, saved from cooking and fuelwood collection, to take up an additional economic activities.



"Spreading Smiles"



During the non-fishing months, the fishermen under usual circumstances were benefit of any other alternate economic activity to sustain them. Under such cases due to the scarcity of their available funds and resources, it became extremely difficult for a majority of them to survive. Looking at the miseries the Foundation introduced 'mangrove plantation' and "Mangroves Algae Removal" in the area as a means of alternate income generating activity for the fisher folk community during the non-fishing months. Both men and women from the communities received trainings on Cheriya Plantation, moss cleaning etc. required for mangrove plantation. The program again was developed holistically, where focus was not only given on income generation but this initiative was seen as an important means to ensure environment sustainability. At the moment total 110 fisher folks from Luni, Shekhadia and Bhadreswar are working for mangroves plantation and cleaing and getting income upto Rs. 300 per day.

"Spreading Smiles"

Kitchen Garden

We have motivated adolescent girls and their mothers to develop kitchen garden at the back of their house. We have selected three different beneficiaries having biogas at their vadi. Kitchen garden and bio gas plant combination brings worth results for "Suposhan" in Adolescent girls.

All the vegetables grown at the garden are consumed by their own house. This is a model developed to motivate local people to develop a small kitchen garden in their home to get access to nutritional vegetables.



Bhujpur, a village 20 kilometres from Mundra has agriculture as its main occupation. The people of Kutch have to face the water related problems due to the geographical location of Kutch and the salinity of sea water here. Bhujpur has two inter connected ponds. Once the Sarpanch of the village Meghraj Gadhvi thought of deepening the pond and this he put forward in form of a request to the Head of the Adani foundation in coordination with the village heads, school teachers and the various members of women organizations. This participatory approach brought matter of great amazement when the village offered their services of three tractors. The villagers were happy to acknowledge that if the ponds keep on getting filled up year after year, it would help in increasing the level of ground water. It would also decrease the salinity of water and increase the agricultural production.

"Spreading Smiles"

A Large portion of the rain fed areas in Kutchh are characterized by low productivity, high risk and uncertainty. This leads to degradation of natural resources. Part of watershed management programmes, Check dam strengthening by de silting and repairing at Kandagara village is initiated. Work is completed before monsoon and village community is with Adani Foundation team since beginning of the project. Main objective is to control damaging runoff and degradation and thereby conservation of soil and water



Kamila ben Sheda owns 11 milch cows and two bulls. She was spending almost 40% money she earned from selling milk – on feeding his cattle. This squeezed his profits. Adani Foundation in coordination with Krishi Vigyan Kendra/Parjanya Ecology started demonstration of NB-21 (Type of Fodder which grows fast with less water)
Impact : She adopted this technique and also ensures that cattle will get proper balance food. This has reduce her cost of cattle feed considerably. She demonstrated the technique in 0.75 Acres of land and production in first cutting is total 8000 kg. She is our proud as she is the first lady farmer who adopted NB-21 technique and got good results.

22

Journey towards dignity



It is our moral responsibility as a Foundation to take the responsibility of flood relief work in Tharad taluka which is badly affected by flood. With based on suggestions of district administration, AF Mundra has started march with 12 members team and AF Ahmedabad has started with 8 members team on 30th July 2017.

The flag off done by SDM Mundra and Mamlatdar Mundra. Entire teams are fully charged up to severe affected villages as per need given by Govt and based on survey of our team members who went earlier to get details.

"Disaster Management"

Building Relations Over Troubled Water : Banaskantha District

Due to the recent heavy rains, many villages in the Banaskatha region of Gujarat have become flooded.

Many villages in Banaskantha district continue to remain cut off because the bridges and roads in route have been washed away. Number of villages affected by flood and faced large damage of lives, animals and goods.

Adani Foundation Mundra decided to start relief work after taking a preliminary survey of the flood affected areas. Mr. Karsan Gadhavi and Mr. Ishvar Parmar started their journey towards Banaskantha on 28th July 2017. They visited Dhanera, Tharad and Vav District . First they meet SDM and Mamlatdar of Tharad and Dhanera. With help of Govt dignitaries they received list of most affected villages of Tharad district. As a second step, they visited all suggested villages and did survey about issues i.e. ration, drinking water, approaches, cattle fatality, damages in schools and other govt. properties. Ishvar bhai and Karsanbhai was stationed there for four days.

Based on requirements of district administration and feedback of our team members, AF Mundra team had decided to march on 3rd Aug 2017 early morning with big flood rescue team.

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"Disaster Management"

Building Relations Over Troubled Water : Banaskantha District

Flood Relief Work at Tharad Taluka (Banaskantha - Gujarat)							
Sr. No	Village	Details of Supported Items					Requirement (2 nd Layer Flood Relief)
		Food Packet (Rasan Kit)	Tarpaulin with rope	Fodder	Blanket	Water (Pouch)	
1	Nani Pavad	150	60	25	60	1000	Fodder for cattle and Health Service
2	Datiya	285	100	30	100	1000	R.O. Plant as drinking water is too bad quality, Education Kit
3	Vadadar	250	250	25	500	1000	Bore well for clean drinking water
4	Pepar	50	50	19	100	500	Fodder, Education Kit and Health services
5	Kesargam	50	50	6	100	500	Fodder and Health services
6	Vantadau	350	300	55	0	1500	R.O. Plant and Health services
7	Mahadevpura	175	180	0	100	1000	R.O. Plant and Education Kit Health services
8	Khanpur	50	0	0	0	500	Still some part of village is submerged Cleaning required, Road repairing work and fodder, Education Kit
9	Bhachar	400	0	0	0	2000	Health camps
10	Bhadodar	100	100	0	0	1000	Health services
11	Benap	80	80	0	0		
12	Other	60	30	0	40		
Total		2000	1200	160	1000	10000	

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મહિલાઓ સ્વચ્છ કેન્સર બાબતે જાગૃત બને

[illegible]

વાહન ચલાવતી વેળાએ જાગૃતિ અને તકેદારી
રાખવાથી આર્થિક અનિયંત્રિતતા નિવારી શકાય.

[illegible][illegible][illegible]

લીજાયલા હૈયાની નહીં, લંગાયલા દિલની આ વાત
કયારેય નહીં ને આજે મજબૂરીએ લંબાયલા હાથની આ વાત
કુદરતે આપેલ કે લઈ લીધેલ ! કેવા પ્રકોપની આ વાત
રહેમ કે જીંદાદીલી જે કહો તે બનાસની આપ વીતીની આ વાત

Adani Foundation -Mundra Executive Summary of Budget Utilization - April to September 2017 F.Y. 2017-18 (Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y.2017-18	Budget Plan upto Sept-2017	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
	Admin Expense	152.05	76.03	56.65	74.51%	37.26%	
A.	Education	59.70	29.85	16.33	54.70%	27.35%	
B.	Community Health	214.49	107.25	68.89	64.23%	32.12%	
C.	Sustainable Livelihood Development	215.00	107.50	149.91	139.45%	69.72%	
D.	Rural Infrastructure Development	374.70	187.35	63.82	34.07%	17.03%	
TOTAL AF CSR Budget :		1015.94	507.97	355.59	70.00%	35.00%	
+	Adani Vidya Mandir-Bhadrashwar	142.08	71.04	48.82	68.73%	34.36%	
TOTAL - AF & AVMB Approved Budget :		1158.02	579.01	404.42	69.85%	34.92%	
+	Additional Approved Works	29.20	14.60	22.38	153.29%	76.64%	
GRAND TOTAL		1187.22	593.61	426.80	71.90%	35.95%	

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Adani Foundation -Mundra HR & Admin Budget Utilization - April to September 2017 F.Y 2017-18 (Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.-2017	Expenditure up to Sept..17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
A	Salary						
1	Present Staff Salary	91.50	45.75	47.33	103.46%	51.73%	
2	New Staff Salary	9.00	4.50	0.00	0.00%	0.00%	
3	HR Expenses	2.00	1.00	0.00	0.00%	0.00%	
Total HR Expenses		102.50	51.25	47.33	92.35%	46.18%	
B	Office Admin expenses						
1	Office Printing and stationery	0.40	0.20	0.00	0.00%	0.00%	
2	Travel and conveyance - Staff	5.00	2.50	1.65	66.19%	33.10%	
3	Legal and professional fees (Lump sum)	0.05	0.03	0.00	0.00%	0.00%	
4	Office equipments and Maintenance	0.20	0.10	0.00	0.00%	0.00%	
5	Mobile/Internet & Electricity Bill	2.32	1.16	0.75	64.59%	32.29%	
6	Refreshment/ Guest Entertainment exp.	0.50	0.25	0.00	0.00%	0.00%	
7	Staff meetings / Trainings	0.20	0.10	0.00	0.00%	0.00%	
8	Field office / Training center rent & Field office other Expenses	1.44	0.72	0.09	13.10%	6.55%	
9	Staff welfare activities	4.75	2.38	0.00	0.00%	0.00%	
10	Insurance - vehicles	0.25	0.13	0.00	0.00%	0.00%	
11	Four wheel vehicle rent	12.00	6.00	3.09	51.58%	25.79%	
12	Vehicle maintenance and fuel	1.30	0.65	0.26	40.58%	20.29%	
13	Staff Capacity building, Training, Appreciation & Exposure visits	2.00	1.00	1.20	120.01%	60.01%	
14	Misc. Office & Admin Expense	0.24	0.12	0.00	0.00%	0.00%	
Sub Total		30.65	15.33	7.06	46.05%	23.02%	
C	Other exp.						
1	Add. Misc. & Documentation Expenses	3.50	1.75	0.50	28.71%	14.36%	
2	Staff SV Teachers Colony Exp	15.40	7.70	1.76	22.83%	11.41%	
3.1	Colony Maintenance Exp.	15.00	7.50	4.54	60.50%	30.25%	
3.2	Parking Shed in Shantivan Teacher Colony	10.00	5.00	0.00	0.00%	0.00%	
Less:	House Rent Recovery	9.60	4.80	2.78	57.92%	28.96%	
Sub Total		18.90	9.45	2.26	23.92%	11.96%	
GRAND TOTAL (BUDGETED) :		152.05	76.03	56.65	74.51%	37.26%	

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Adani Foundation -Mundra Education Budget Utilization - April to September 2017 F.Y. 2017-18 (Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.2017	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
1	Support to Government / Private Educational Institutes						
1.1	Educational Support at various Govt. schools	8.00	4.00	3.55	88.79%	44.40%	
1.2	Support to ITI	2.00	1.00	0.00	0.00%	0.00%	
Sub Total		10.00	5.00	3.55	71.03%	35.52%	
2	Adani Shaikshani Vikas Kendra (Strengthening Primary Education)	5.90	2.95	1.87	63.55%	31.78%	
2.1	Coaching & project staff Exp.	4.60	2.30	1.75	76.09%	38.04%	
2.2	Housekeeping Exp.	0.60	0.30	0.00	0.00%	0.00%	
2.3	Teaching & Learning Material Exp.	0.50	0.25	0.07	27.20%	13.60%	
2.4	Other Administrative Exp.	0.20	0.10	0.06	56.77%	28.39%	
3	Training and Development (Strengthening Teachers of High School)	0.95	0.48	0.17	36.33%	18.17%	
3.1	Seminar on " Qualities of an effective teacher" (Quarterly)	0.50	0.25	0.17	69.04%	34.52%	
3.2	Workshop 1 : "Continuous and comprehensive evaluation"	0.15	0.08	0.00	0.00%	0.00%	
3.3	Workshop 2 : "Effective Lesson Planning"	0.15	0.08	0.00	0.00%	0.00%	
3.4	Workshop 3 : " Effective Administrative Skills" for Principals	0.15	0.08	0.00	0.00%	0.00%	
4	Educational Support to Migrated Labour Children	10.00	5.00	0.00	0.00%	0.00%	
5	Support for Higher secondary students of AVMB	3.75	1.88	1.03	54.79%	27.40%	
6	Education Project Staff Salary & TA (1 CM)	3.10	1.55	1.25	80.48%	40.24%	
7	Education for Fisher folk						
9.1	Education Initiative for children at vasahat	22.00	11.00	7.56	68.73%	34.36%	
9.2	Exposure tour, Fee & Other Edu. Support to poor students and cycle support to Fishermen Students	4.00	2.00	0.89	44.67%	22.34%	
SUB TOTAL :		26.00	13.00	8.45	65.03%	32.51%	
GRAND TOTAL (BUDGETED) :		59.70	29.85	16.33	54.70%	27.35%	

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Adani Foundation -Mundra Community Health Budget Utilization - April to September 2017 F.Y. 2017-18 (Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.2017	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
B1. Community health programme - on going							
1	Medical mobile units	8.15	4.08	1.58	38.68%	19.34%	
2	Medicines for rural clinics - 12	8.75	4.38	1.65	37.82%	18.91%	
3	Medical support to very needy and poor patients	25.00	12.50	8.49	67.91%	33.95%	
Sub Total		41.90	20.95	11.72	55.94%	27.97%	
B2. "Dialysis Support"							
1	Financial support for dialysis	10.00	5.00	2.27	45.37%	22.69%	
Sub Total		10.00	5.00	2.27	45.37%	22.69%	
B3 Health card to Senior citizens *							
1	Health card services	90.00	45.00	28.20	62.68%	31.34%	
Sub Total		90.00	45.00	28.20	62.68%	31.34%	
B4 Addressing Disability							
1	General Health Camp for truckers	3.00	1.50	0.49	32.75%	16.38%	
Sub Total		3.00	1.50	0.49	32.75%	16.38%	
B5 Health Camps and Awareness programmes							
1	General Health Camp for truckers	12.00	6.00	3.26	54.27%	27.13%	
Sub Total		12.00	6.00	3.26	54.27%	27.13%	
Project Staff for Mundra Health Initiative		8.59	4.30	2.63	61.17%	30.59%	
Grand total for Mundra Health Initiative :		165.49	82.75	48.57	58.70%	29.35%	
B6. Community Health Initiative from GKGH/GAIMS							
1	Medical Support to Poor Patients -GKGH	20.00	10.00	8.25	82.48%	41.24%	
2	Dignity to death - Dead body carrier vehicle support	7.00	3.50	4.22	120.63%	60.32%	
3	Health Camps and Awareness programmes	2.50	1.25	0.67	53.66%	26.83%	
3.1	General Health Camp	1.00	0.50	0.27	54.75%	27.38%	
3.2	Safe Child Health Project - NEW	0.50	0.25	0.05	21.38%	10.69%	
3.3	Health Check Up Camping New	0.50	0.25	0.34	137.44%	68.72%	
3.4	GMDC Mining Labor Welfare Programme New	0.50	0.25	0.00	0.00%	0.00%	
4	Collaborative Actions in Lowering Maternity Encounters Death(CALMED)	1.50	0.75	0.01	1.35%	0.67%	
5	Medical Mobile Unit	2.00	1.00	0.61	61.12%	30.56%	
6	Project Staff & Administrative Exp.-GKGH	10.00	5.00	4.21	84.17%	42.09%	
7	Vehicle Hiring Charges	6.00	3.00	2.35	78.29%	39.15%	
Sub Total - GKGH :		49.00	24.50	20.32	82.94%	41.47%	
GRAND TOTAL :		214.49	107.25	68.89	64.23%	32.12%	

Adani Foundation -Mundra Sustainable Livelihood Development Budget Utilization - April to September 2017 F.Y. 2017-18 (Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y.2017-18	Budget Plan upto Sept.17	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
Fisher Folk							
A	Sustainable livelihood for Fisher folk						
1	Community Engagement Activities	8.00	4.00	5.41	135.21%	67.61%	
2	Livelihood promotion - Income Generation to individual	5.00	2.50	1.57	62.85%	31.43%	
3	Awareness generation and capacity building	2.00	1.00	0.62	62.48%	31.24%	
4	Potable Water to Fisher Folk at vasahat	18.00	9.00	7.85	87.24%	43.62%	
5	Mangroves plantation and maintenance & Vasahat Cleaning	11.00	5.50	9.66	175.62%	87.81%	
6	Cage farming Asian Sea bass & Lobster	1.00	0.50	0.00	0.00%	0.00%	
	Fisher Folk Budget : Total	45.00	22.50	25.12	111.62%	55.81%	
Sustainable Livelihood							
B	Women Empowerment						
1	Women Empowerment	20.00	10.00	1.17	11.67%	5.83%	
	Sub Total	20.00	10.00	1.17	11.67%	5.83%	
C	Agriculture						
1	Fodder Support -	140.00	70.00	121.19	173.13%	86.57%	
2	Agriculture Initiatives and Support	10.00	5.00	2.43	48.66%	24.33%	
	Sub Total	150.00	75.00	123.63	164.83%	82.42%	
	TOTAL (APPROVED BUDGETED) :	215.00	107.50	149.91	139.45%	69.72%	
Additional Approved Works :							
1	Cage farming Asian Sea bass & Lobster	3.00	1.50	0.00	0.00%	0.00%	
2	Polyculture	1.60	0.80	0.00	0.00%	0.00%	
3	Technical Expert for New Projects	3.60	1.80	1.51	83.92%	41.96%	
4	Flood Relief Work	21.00	10.50	20.87	198.76%	99.38%	
	Total	29.20	14.60	22.38	153.29%	76.64%	
	GRAND TOTAL	244.20	122.10	172.29	141.10%	70.55%	

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Adani Vidya Mandir-Bhadreshwar Budget Utilization - April to September 2017 F.Y. 2017-18							
(Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.2017	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
A	Salary Expenses						
1	Staff Salary	51.15	25.58	19.16	74.94%	37.47%	
2	New Teachers Salary						
3	Non Teaching Staff Exp.	11.20	5.60	4.19	74.78%	37.39%	
	Sub Total	62.35	31.18	23.35	74.91%	37.45%	
B	Student Expenses						
1	Student Uniform Expense	4.42	2.21	3.20	144.62%	72.31%	
2	Food Expenses	50.30	25.15	16.04	63.78%	31.89%	
3	Text books, Notebooks and Work books Expenses	3.03	1.52	2.33	154.12%	77.06%	
4	Co-Curricular Activities	0.25	0.13	0.00	0.00%	0.00%	
5	Extra Curricular Activities Expenses	1.00	0.50	0.09	18.88%	9.44%	
6	Seminar/Conference/workshop/ Teachers Training	0.20	0.10	0.00	0.00%	0.00%	
7	Exposure Tour for Students & Staff	1.00	0.50	0.03	5.88%	2.94%	
8	Exam Fee for Board Examination	0.25	0.13	0.00	0.00%	0.00%	
9	Education Medical Expense, Student & Staff	0.20	0.10	0.00	4.60%	2.30%	
	Sub Total	60.65	30.33	21.70	71.56%	35.78%	
C	Other Expenses						
1	Mobile & Telephone bills/ Fax Expenses/Internet Charges	0.20	0.10	0.07	65.29%	32.65%	
2	Electricity Charges	2.40	1.20	1.03	85.77%	42.89%	
3	Postage & Courier Expenses	0.03	0.02	0.00	1.00%	0.50%	
4	Uniform for Peons-2, Security-2, Aaya-2,Sweeper-2	0.10	0.05	0.00	0.00%	0.00%	
5	Staff Welfare Expenses	0.15	0.08	0.00	0.00%	0.00%	
6	Misc. Expenses	1.00	0.50	0.04	8.35%	4.18%	
7	Travelling/Conveyance Expenses	0.20	0.10	0.05	47.87%	23.94%	
8	Printing & Stationary Expenses	1.50	0.75	0.51	67.49%	33.74%	
9	Newspapers & Periodical Expenses	0.10	0.05	0.01	12.80%	6.40%	
11	Vehicle Hire Charges	0.20	0.10	0.11	112.50%	56.25%	
12	House keeping	0.55	0.28	0.21	78.00%	39.00%	

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Adani Foundation -Mundra Rural Infrastructure Development Budget Utilization - April to September 2017 F.Y. 2017-18							(Rs. In Lacs)
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.17	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
[1]	Water Conservation and Ground Water Recharge						
1.1	Pond deepening work	20.00	10.00	16.69	166.88%	83.44%	
	Sub Total	20.00	10.00	16.69	166.88%	83.44%	
[3]	Education Related						
3.1	Prayer shed in vaghervas school,bhadreshwar	5.00	2.50	0.97	38.82%	19.41%	
	Sub Total	5.00	2.50	0.97	38.82%	19.41%	
[4]	Health Related						
4.1	Sanitation block for girls in school, Sadau	3.00	1.50	1.66	110.44%	55.22%	
	Sub Total	3.00	1.50	1.66	110.44%	55.22%	
[5]	Other Projects - Corporate Related						
5.1	Drainage maintenance and JCB hiring	15.00	7.50	6.70	89.36%	44.68%	
5.2	Tuna Port Related CSR Projects	15.00	7.50	0.00	0.00%	0.00%	
5.3	Crematorium development, mundra	5.00	2.50	4.49	179.77%	89.88%	
5.4	Boundry wall and repair of iddgah, tragadi	6.50	3.25	0.00	0.00%	0.00%	
5.5	Garden work in matang temple, kandagara	4.00	2.00	3.09	154.69%	77.35%	
5.6	Basic infra. Facility in Labour Colony	20.00	10.00	0.00	0.00%	0.00%	
5.7	Infrastructure Development for HMV Drivers at North Gate	50.00	25.00	0.00	0.00%	0.00%	
5.8	Study for Mundra Town plan	5.00	2.50	0.00	0.00%	0.00%	
5.9	Development work in Zarpara & Mundra	30.00	15.00	2.84	18.91%	9.45%	
	Augmentation Of Check Dams budget						
5.10	Construction of Toilets in Bhuj taluka 2016-17	6.00	3.00	4.38	145.88%	72.94%	
	Repairing of Checkdam and river widening, kandagara 2017-18						
5.11	Prayer shed in school, Ragha-Luni	5.00	2.50	0.00	0.00%	0.00%	
5.12	Fisherman Shelter-house Repering-Shekhadiya	50.40	25.20	10.63	42.20%	21.10%	
	Sub Total	211.90	105.95	32.14	30.33%	15.17%	
[6]	Fisherman Amenities : Infrastructure Support at different Bandar	54.80	27.40	12.37	45.15%	22.57%	
[7]	Startvision Projects						
7.1	Participatory Ground Water Management	45.00	22.50	0.00	0.00%	0.00%	
	Sub Total	45.00	22.50	0.00	0.00%	0.00%	
[8]	Spill Over Projects						
8.1	Cricket Ground - Siracha	5.00	2.50	0.00	0.00%	0.00%	
	Sub Total	5.00	2.50	0.00	0.00%	0.00%	
[9]	Retention Money	30.00	15.00	0.00	0.00%	0.00%	
	GRAND TOTAL (BUDGETED) (A):	374.70	187.35	63.82	34.07%	17.03%	

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Adani Vidya Mandir-Bhadreshwar Budget Utilization - April to September 2017 F.Y. 2017-18							
(Rs. In Lacs)							
Sr. No.	Budget Line Item	Budget F.Y. 2017-18	Budget Plan upto Sept.2017	Expenditure up to Sept.17	% of total Utilization against Planned budget	% of utilization from FY 2017-18 budget	Remarks
13	Bike Expenses (Petrol & Maintenance)	0.20	0.10	0.10	96.39%	48.20%	
14	Vehicle Maintenance & Fuel Expenses (Transportation facility for Science faculty)	2.85	1.43	0.15	10.72%	5.36%	
15	Water Tank Charges	0.50	0.25	0.48	192.37%	96.19%	
16	Computer Maintenance Charges (Old Computer) & UPS	0.50	0.25	0.01	4.00%	2.00%	
	Sub total	10.48	5.24	2.76	52.75%	26.37%	
D	Building & Equipment related Expenses						
1	Property Tax & Revenue Tax	0.50	0.25	0.00	0.00%	0.00%	
2	Insurance Premium						
3	School Building & Equipment Maintenance Expense + School classroom painting-2017-18	4.70	2.35	0.88	37.43%	18.72%	
	Sub Total	5.20	2.60	0.88	33.83%	16.92%	
	Total, Recurring expenses	138.68	69.34	48.70	70.23%	35.11%	
	E. Non-recurring expenses						
1	Library Books	0.30	0.15	0.00	0.00%	0.00%	
2	Smart Class	0.80	0.40	0.00	0.00%	0.00%	
3	Sport Equipment	0.20	0.10	0.00	0.00%	0.00%	
3	Kitchen Expenses	0.10	0.05	0.00	0.00%	0.00%	
4	Furniture & Fixture	0.30	0.15	0.00	0.00%	0.00%	
6	Cultural Dresses	0.20	0.10	0.00	0.00%	0.00%	
7	New CC TV Camera & Maintenance of old Camera	0.75	0.38	0.13	34.04%	17.02%	
8	New one Two wheeler	0.75	0.38	0.00	0.00%	0.00%	
	Total, Non-recurring expenses	3.40	1.70	0.13	7.51%	3.75%	
	Grand Total	142.08	71.04	48.82	68.73%	34.36%	

Annexure – 16

મેસર્સ એમ. પી. એસ. સી. એસ. યુટિલિટીઝ પ્રાઇવેટ લિમિટેડ

અંદાણી હાઉસ, મીડિઅવો હ રોડ, અમરેલી, અમરેલી-૩૮૦૦૦૨

સૂચના

આથી જાહેર જગ્યાએ સુચિત કરવામાં આવે છે કે મેસર્સ એમ. પી. એસ. સી. એસ. યુટિલિટીઝ પ્રાઇવેટ લિમિટેડને સર્વે જન વચ્ચે પેકી, ગ્રામ, મુંડા, ભચ, મુજરાત ખાતે સોલર ઈકોનૉમીક પ્રીટમેટ પ્લાન (સી એ સી પી) ના વિસ્તાર માટે સુજરાત સરકારની પસંદગી આગર કાળાસ મંજિત હાથે એક્ટ્રીક બં. SEIA/AVGUEO/7(8)/૫૩/૨૦૧૦, સમીક્ષા ૨૦-૦૨-૨૦૧૦ હેઠળ પસંદગીમાં મંજુરી આપવામાં આવેલ છે. આ મંજુરી પત્રની નકલ સુજરાત મહુવત વિભાગ બોર્ડની માઈનિંગર હાથ માટેનિક મંજુરી - સુજા ખતે ઉપલબ્ધ છે અને તેની વિગતો SEIA ની વેબસાઇટ: www.seia.gujarat.gov.in પર પણ જાણ મહત્વ છે.