

APSEZL/EnvCell/2015-16/046

Date: 24.11.2015

To  
The Director (S),  
Ministry of Environment & Forests,  
E-5, Kendriya Paryavaran Bhawan,  
Arera Colony, Link Road No. - 3,  
Bhopal - 462 016.  
E-mail: [rowz.bpl-mef@nic.in](mailto:rowz.bpl-mef@nic.in)

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,  
Ministry of Environment, Forests & Climate Change,  
केन्द्रीय पर्यावरण भवन,  
'Kendriya Paryavaran Bhawan'  
लिंक रोड नं.-3, ई-5, रविशंकर नगर,  
Link Road No.-3, E-5, Ravishankar Nagar,

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

Ref : Environment clearance granted MPSEZ Utilities Pvt. Ltd. vide letter dated 20<sup>th</sup> February, 2010 bearing SEIAA letter no. SEIAA/GUJ/EC/7(h)/43/2010.

Dear Sir,

Please refer to the above cited reference for the said subject matter. In connection to the same, it is to state that copy of the compliance report for the Environmental Clearance for the period of Apr'15 to Sep'15 is enclosed here for your records. The stated information is also provided in form of a CD (soft copy).

Thank you,  
Yours Faithfully,  
For MPSEZ Utilities Pvt. Ltd.

  
Authorized Signatory

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 - Katira Complex-1, Mangalam Char Rasta, Sanskar Nagar, Bhuj (Kutch) - 370 001



Environmental Clearance  
Compliance Report

of

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

of

MPSEZ Utilities Pvt. Ltd.  
(MUPL-CETP)


for

Period:

April-2015 to September-2015

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|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

## **Compliance Report of Environment Clearance**



|   |  |  |
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|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b>            | <b>Specific Conditions</b>   | <b>Compliance Status as on<br/>30-09-2015</b>  |
|-------------------------------|--|--|
| <b>A. Specific Conditions</b> |  |  |
| 1                             | The MUPL shall conduct a study, every year for initial three years and thereafter once in a three year, through the reputed institute or the Agricultural University to assess the impacts on soil and ground water quality, if any, due to application of treated effluent on land for plantation/ gardening and adopt the additional mitigation measures as may be suggested through such studies. | Complied. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 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.  | Effluent Sample of each member unit is collected on daily basis and analysed in in-house environmental laboratory.<br><br>Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as Annexure – 1. |
| 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.  | Inlet norms of effluent for CETP are mentioned at Sr. 6. Effluents from any industry are allowed only if they comply with inlet norms of CETP.   |
| 4                             | Fresh water requirement for the CETP shall be 100 KL/day, which shall be sourced through Gujarat Water Infrastructure Ltd. (GWIL) pipeline from Narmada water supply. No ground water shall be tapped for the project.   | Fresh water requirement for CETP is ranging from 93 KL to 188 KL per month only which is very less compared to 100 KLD and is obtained from GWIL. No ground water is tapped.<br><br>Details of water consumption, is given as Annexure – 2.  |

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|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
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| Half yearly Compliance report for Environment Clearance for the for the project<br>"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,<br>Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)" |   |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
|---|---|--|-------------------------|----|------------|------------------|----------|-----------------------|-----------|-----|-----------|-----|-----------|--------------|---------|--------------------|--------|----------|----------|-----------|--------|-----------|--------|--------------------|---------|--------|--------|--------|--------|
| Sr.<br>No.  | Specific Conditions   | Compliance Status as on<br>30-09-2015  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| 5   | The quantity of effluent discharge from the CETP shall not exceed 17000 KL/ Day (17 MLD).   | At Present CETP is constructed only for 2.5 MLD capacity and is also not fully utilized.<br><br>Details on quantity received from industry and treated water discharge are attached as Annexure – 2.   |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| 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:  | There are only two member industries of CETP as on date for industrial effluent and effluent is conveyed though underground pipeline only.<br><br>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. |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
|   | <table><tr><td>Parameter</td><td>CETP inlet norm of MUPL</td></tr><tr><td>pH</td><td>6.5 To 8.5</td></tr><tr><td>Suspended Solids</td><td>800 mg/l</td></tr><tr><td>BOD (3 Days at 27 °C)</td><td>1000 mg/l</td></tr><tr><td>COD</td><td>2000 mg/l</td></tr><tr><td>TDS</td><td>2100 mg/l</td></tr><tr><td>Oil &amp; Grease</td><td>20 mg/l</td></tr><tr><td>Phenolic Compounds</td><td>1 mg/l</td></tr><tr><td>Cyanides</td><td>0.2 mg/l</td></tr><tr><td>Fluorides</td><td>2 mg/l</td></tr><tr><td>Sulphides</td><td>2 mg/l</td></tr><tr><td>Ammonical Nitrogen</td><td>50 mg/l</td></tr><tr><td>Copper</td><td>3 mg/l</td></tr><tr><td>Nickel</td><td>3 mg/l</td></tr></table> | Parameter  | CETP inlet norm of MUPL | pH | 6.5 To 8.5 | Suspended Solids | 800 mg/l | BOD (3 Days at 27 °C) | 1000 mg/l | 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 | Sulphides | 2 mg/l | Ammonical Nitrogen | 50 mg/l | Copper | 3 mg/l | Nickel | 3 mg/l |
| Parameter   | CETP inlet norm of MUPL   |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| pH  | 6.5 To 8.5  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| Suspended Solids  | 800 mg/l  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| BOD (3 Days at 27 °C)   | 1000 mg/l   |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| 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  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| Sulphides   | 2 mg/l  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| Ammonical Nitrogen  | 50 mg/l   |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| Copper  | 3 mg/l  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| Nickel  | 3 mg/l  |  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |
| 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.   | Inlet norms of the effluent from each industry are regularly monitored.<br><br>Analysis reports are submitted to GPCB every month and typical proof showing the same is attached as Annexure – 1.  |                         |    |            |                  |          |                       |           |     |           |     |           |              |         |                    |        |          |          |           |        |           |        |                    |         |        |        |        |        |

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|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
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**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)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>   |
|--------------------|---|---|
| 8                  | The MUPL will ensure that effluent discharge from member units (cluster or individual unit) complies with the inlet norms of the CETP.  | Refer Point No. 6   |
| 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.   | <p>Sewage from each industry is discharged into soak pit through septic tank system.</p> <p>Overflow from soak pit is discharged into CETP along with industrial effluent for further treatment and final disposal.</p> <p>Generation of domestic waste water ranging from 130 to 150 KL per month at the CETP and is treated in the CETP itself.</p>   |
| 10                 | The MUPL will establish the adequate primary, secondary and tertiary effluent for its treatment facilities to achieve the GPCB norms. The CETP shall be established in modules of 2.5 MLD to achieve the ultimate capacity of 17 MLD with the passage of time depending on the actual requirements as per development of the MPSEZL. The CETP shall be operated regularly and efficiently so that quality of treated effluent from the CETP always meets with the GPCB norms. | <p>Schematic Flow Diagram of CETP submitted to the Ministry of Environment and Forest along with half yearly compliance dated 02.12.2013.</p> <p>Quality of treated effluent from CETP meets with GPCB norms.</p> <p>Third party monitoring is being carried out by NABL and MoEF accredited agency namely Pollucon Laboratory, Surat.</p> <p>Summary of monitoring reports for duration from April'15 to September'15 are enclosed as Annexure – 4.</p> <p>Analysis Report of treated water carried out by GPCB is enclosed as Annexure – 5.</p> |

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|--|--|--|
| <b>Sr.<br/>No.</b>   | <b>Specific Conditions</b>   | <b>Compliance Status as on<br/>30-09-2015</b>  |
| 11   | The treated effluent from the CETP conforming to the GPCB norms shall be utilized for plantation / gardening within the SEZ area of MPSEZL during non-rainy days whereas it shall be discharged to deep sea through outfall system of MPSEZL having CRZ permission during high rainy days. | Presently treated effluent is being used for plantation/gardening within the premises of CETP and other areas of Adani Ports and Special Economic Zone Limited.  |
| 12   | Well-designed effluent distribution network with sprinklers / drip pipes shall be provided for proper utilization of treated effluent for plantation / gardening.  | Total plantation of approx. 8201 saplings in 2.48 ha area within CETP premises is completed.<br><br>Photograph showing green belt developed with drip irrigation pipes submitted to the Ministry of Environment and forest along with half yearly compliance dated 29.05.2014. |
| 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.                                | Treated effluent from CETP is used for gardening purpose within the CETP premises.<br><br>Quality of treated effluent from CETP meets with GPCB norms.<br><br>Please refer Annexure – 4 & 5 for further details.   |
| 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.                    | At present the 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.  | At present there are only two member industries of CETP and time slot has been given to each industry for discharging their effluent.  |



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| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>   |
|--------------------|---|---|
| 16                 | The MUPL shall strictly observe and make sure that every member shall supply entire effluent quantity to the CETP.  | Point noted.  |
| 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. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.   |
| 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. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.<br><br>Records of quantity received from industry and treated discharge are attached as Annexure – 2. |
| 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. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.   |
| 20                 | The MUPL shall also install pH sensor with alarm device at final outlet to ensure that effluent being discharge is always neutral.  | Complied. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.   |
| 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.  | Metering pumps for dosing of chemicals such as Alum; Polyelectrolyte; Lime and HCl are provided with stand by pumps.  |
| 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.   | Point noted.  |

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|--------------------|--|--|
| 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. Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 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.  | 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 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. | Log books containing all required information are maintained.<br><br>Details submitted to the Ministry of Environment and Forest along with half yearly compliance dated 02.12.2013.                                       |
| 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.  | Well-equipped laboratory having all the infrastructure facility and instruments is provided in CETP. We are carrying out third party monitoring through NABL and MoEF accredited agency namely Pollucon Laboratory, Surat. |

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| 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.   | All data are submitted to GPCB and proof showing the same is attached as Annexure – 1.  |
| 28                 | The company shall also have to submit every month, the analysis reports of the samples of effluent got collected and analyzed by one of the recognized laboratories.   | NABL and MoEF accredited agency namely Pollucon Laboratory, Surat, is engaged for sampling and analysis of influent and effluent of CETP.<br><br>Summary of analysis reports is attached as Annexure – 4. |
| 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.         | V.V.P Engineering College, Rajkot (Schedule-1 Auditor) is carrying our Environment Audit and recommendations suggested are being complied.  |
| 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. | Data regarding quantity and quality of effluent generated member units are submitted to GPCB regularly and proof showing the same is attached as Annexure – 1.  |
| 31                 | Ground water quality shall be monitored on regular basis with piezometer bore wells at suitable locations in consultation with GPCB and its records shall be maintained. The monitored data along with interpretation shall be submitted at least once in six months.  | Bore-hole has been made at CETP main gate to check ground water quality and water level.<br><br>Sampling and Analysis report is attached as Annexure – 4.   |

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|--------------------|--|--|
| 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.   | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 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.   | Being complied regularly.<br><br>Typical analysis report of ambient air quality is attached as Annexure – 4.<br><br>In MUPL CETP, there are no flue gas stacks except stand-by D.G. Set. Hence contribution to Air Pollution from MUPL-CETP unit as such is NIL. Ambient Air Quality Results indicates "Air Pollution" created by other near-by industries around MUPL-CETP. |
| 34                 | The MUPL must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes. | Complied.<br><br>MUPL has been granted Authorization vide Order No. AWH – 43284 dated 24.08.2011, Valid up to: 03.04.2016 from GPCB, Gandhinagar.  |
| 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.  | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.<br><br>During current period from April'15 to September'15 total 18.31 MT of CETP sludge has been disposed to TSDF site of SEPPL, Bhachau. HW manifest copies of the same are attached as Annexure – 6.  |



|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>  |
|--------------------|---|--|
| 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.   | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 37                 | Discarded containers / drums / bags/ liners shall be either reused or returned back to suppliers or sold to authorized vendors after decontamination.   | In case of generation, Discarded containers and drums will be sold to authorized recyclers and discarded bags and liners will be used for packing hazardous waste.   |
| 38                 | Used oil shall be sold to the registered recyclers.   | Used oil will be sold to registered recyclers, if generated.   |
| 39                 | Adequate hand rails shall be provided to all the CETP units for preventing fall of any person in the CETP tanks.  | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 40                 | All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of chemicals. Handling and dosing of the materials shall be done in such a manner that minimal human exposure occurs. | Safety measures have been taken as a part of the operational manual and procedures.<br><br>Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013. |
| 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.                     | Point noted.   |
| 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.                                    | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.  |
| 43                 | Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.  | Personal protective equipments are provided to all workers and its usage is ensured and supervised regularly through safety department of APSEZL.  |
| 44                 | First Aid Box shall be made readily available in adequate quantity.   | First aid box is available in CETP area.<br><br>OHC of APSEZL maintains first aid box regularly.   |

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|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>   | <b>Compliance Status as on<br/>30-09-2015</b>  |
|--------------------|--|--|
| 45                 | Training shall be imparted to all the workers on safety and health aspects of chemicals handling and CETP operations.  | Being complied regularly.  |
| 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.   | Being complied regularly.<br><br>Typical record of the same is attached as Annexure – 7.   |
| 47                 | Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.  | Noted and Agreed.  |
| 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. | Noise level in and around CETP area are well within the standards.<br><br>Typical Noise quality monitoring is attached as Annexure – 4.  |
| 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.   | Total plantation of approx. 8201 saplings in 2.48 ha area within CETP premises is completed.<br><br>Photograph showing green belt developed with drip irrigation pipes submitted to the Ministry of Environment and forest along with half yearly compliance dated 29.05.2014. |

#### **B. General Conditions**

|    |   |    |
|----|---|----|
| 50 | GPCB will ensure while granting CTE to individual units that no industry of heavy pollution is allowed in such SEZ. | -- |
|----|---|----|

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|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>  |
|--------------------|---|--|
| 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.                                     | 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.<br><br>At present there are only two member units of CETP. Both units have a storage capacity for one day in case of breakdown /maintenance of CETP.   |
| 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.<br><br>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 Board about termination/ suspension of the CETP membership of any member unit.     | Point noted and will be complied.  |
| 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.   | Point noted and agreed.  |

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|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

| <b>Half yearly Compliance report for Environment Clearance for the for the project<br/>"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,<br/>Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"</b> |   |  |
|--|---|--|
| <b>Sr.<br/>No.</b>   | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>  |
| 56   | Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.   | Pucca flooring of paver blocks has been provided in CETP area.   |
| 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.  |
| 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.  | Details submitted to the Ministry of Environment and forest along with half yearly compliance dated 02.12.2013.                                  |
| 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.  |
| 60   | The MUPL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.   | Point noted.   |
| 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.  | APSEZL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. |



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|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>  |
|--------------------|---|--|
| 62                 | The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported  | <p>Separate budget for the Environment cell is earmarked every year. All environmental and horticulture activities are considered at group level and budget allocation is also done accordingly.</p> <p>The plan budget for Environment Cell for the year 2015-16 is 484.11 lacs. The spent budget for Environment Cell up to Sep-2015 is 175.88 lacs.</p> <p>The plan budget of Horticulture Cell for the year 2015-16 is 486.83 lacs. The spent budget of Horticulture Cell up to Sep-2015 is 363.29 lacs.</p> |
| 63                 | The MUPL shall take appropriate community development and welfare program for improving socio-economic environment of villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.   | Details of CSR activities carried out by Adani Foundation for Mundra and surrounding area during Apr'15 to Sep'15 are attached as Annexure – 8.  |
| 64                 | The MUPL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.  | Point noted.   |
| 65                 | No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/SEIAA/SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of imposed and to add additional environmental protection measures required, if any. | Point noted.   |

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b>   |
|--------------------|---|---|
| 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.   |
| 67                 | The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry. | Complied.   |
| 68                 | It shall be mandatory for the project management to submit half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.  | Last half yearly environmental clearance compliance report was submitted to the Regional Office of MoEF on 01.06.2015 in soft as well as hard copy. |
| 69                 | The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.  | Complied.   |
| 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.   | Complied.   |

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

**Half yearly Compliance report for Environment Clearance for the for the project  
"Establishment of Common Effluent Treatment Plant (CETP) of 17 MLD capacity at Mundra,  
Dist. Kachchh, Gujarat of M/s. MPSEZ Utilities Pvt. Ltd. (CETP)"**

| <b>Sr.<br/>No.</b> | <b>Specific Conditions</b>  | <b>Compliance Status as on<br/>30-09-2015</b> |
|--------------------|---|---|
| 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, interalia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment(Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Act, 1991 along with their amendments and rules. | Point noted.                                  |
| 73                 | This environmental clearance is valid for five years from the date of issue.  | Point noted.                                  |

|   |  |                                      |
|---|--|--------------------------------------|
|  | MPSEZ Utilities Pvt. Ltd., Mundra.<br>(CETP) | From : April,15<br>To : September,15 |
| Status of the conditions stipulated in Environment Clearance                      |  |                                      |

# ANNEXURE 1

## Typical Proof of Submission of Sampling and Analysis Reports of Member Units submitted to GPCB



Env Cell/MUPL/CETP/AR/2015/42

Date: 13.10.2015

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-43284, GPCB ID: 10605

Dear Sir,

With reference to the above stated subject, please find enclosed monthly analysis reports of industrial and Sewage effluent received from following units at CETP for the month of September-2015.

| Sr. No. | Unit Name   | Remarks    |
|---------|---|------------|
| 1.      | M/s. Dorf Ketel 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. Ashapura Garments Ltd.                       | Sewage     |
| 7.      | 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/GPCB ID: 10605/95102 dated 24<sup>th</sup> October, 2011.

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,  
 Katira Complex - 1, Mangalam Char Rasta, Nr. Income Tax Office, Sanskarnagar,  
 Bhuj - 370001.

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

ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ  
 કતીરા કોમ્પ્લેક્સ-૧, મંગલમ ચાર રસ્તા  
 (ઇન્કમેટેક્સ ઓફિસની બાજુમાં, સંસ્કાર નગર  
 ભુજ-૩૭૦૦૦૧)

Env Cell/MUPL/CETP/AR/2015/42

Date: 13.10.2015

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.

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|---------|---|------------|
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| 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. Ashapura Garments Ltd.                       | Sewage     |
| 7.      | 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/GPCB ID: 10605/95102 dated 24<sup>th</sup> October, 2011.

Kindly accept and acknowledge the same.

Yours Faithfully,

For, MPSEZ Utilities Pvt. Ltd.

**Authorized Signatory**

*AK*  
 20/10/15  
**Gujarat Pollution Control Board**  
 Sector No. 10 A,  
 Gandhinagar - 382 010.

Cc To:

**Regional Officer,** Regional Office, Gujarat Pollution Control Board,  
 Katira Complex - 1, Mangalam Char Rasta, Nr. Income Tax Office, Sanskarnagar,  
 Bhuj - 370001.

# Analysis Report (CETP Inlet)

M/s Dorf Ketal Speciality Catalyst Pvt. Ltd.

Sep-15

| Sr.No | DATE      | Start rdg | Con  | PH  | TDS  | SS | COD | BOD | Chloride |
|-------|-----------|-----------|------|-----|------|----|-----|-----|----------|
| 1     | 1-Sep-15  | 58736     | 49   | 7.1 | 1532 | 18 | 50  | 17  | 890      |
| 2     | 2-Sep-15  | 58785     | 60   | 7.3 | 1344 | 15 | 57  | 19  | 810      |
| 3     | 3-Sep-15  | 58845     | 59   | 7.2 | 1355 | 18 | 70  | 23  | 785      |
| 4     | 4-Sep-15  | 58904     | 61   | 7.2 | 1384 | 25 | 56  | 18  | 730      |
| 5     | 5-Sep-15  | 58965     | 55   | 7.0 | 1448 | 18 | 58  | 19  | 702      |
| 6     | 6-Sep-15  | 59020     | 61   | 7.4 | 1421 | 28 | 68  | 23  | 776      |
| 7     | 7-Sep-15  | 59081     | 59   | 7.4 | 1548 | 27 | 60  | 20  | 764      |
| 8     | 8-Sep-15  | 59140     | 52   | 7.2 | 1577 | 29 | 72  | 24  | 800      |
| 9     | 9-Sep-15  | 59192     | 62   | 7.3 | 1492 | 23 | 52  | 19  | 780      |
| 10    | 10-Sep-15 | 59254     | 60   | 7.2 | 1650 | 34 | 49  | 15  | 820      |
| 11    | 11-Sep-15 | 59314     | 58   | 7.3 | 1598 | 29 | 42  | 18  | 760      |
| 12    | 12-Sep-15 | 59372     | 60   | 7.3 | 1447 | 18 | 44  | 16  | 774      |
| 13    | 13-Sep-15 | 59432     | 59   | 7.6 | 1634 | 21 | 72  | 25  | 845      |
| 14    | 14-Sep-15 | 59491     | 59   | 7.5 | 1589 | 28 | 62  | 21  | 834      |
| 15    | 15-Sep-15 | 59550     | 59   | 7.9 | 1700 | 24 | 52  | 20  | 800      |
| 16    | 16-Sep-15 | 59609     | 60   | 7.6 | 1680 | 23 | 58  | 19  | 742      |
| 17    | 17-Sep-15 | 59669     | 59   | 7.3 | 1700 | 23 | 51  | 17  | 752      |
| 18    | 18-Sep-15 | 59728     | 58   | 7.3 | 1600 | 31 | 46  | 20  | 810      |
| 19    | 19-Sep-15 | 59786     | 57   | 7.8 | 1752 | 21 | 35  | 12  | 792      |
| 20    | 20-Sep-15 | 59843     | 67   | 7.7 | 1522 | 12 | 39  | 13  | 840      |
| 21    | 21-Sep-15 | 59910     | 60   | 7.5 | 1549 | 27 | 50  | 18  | 814      |
| 22    | 22-Sep-15 | 59970     | 55   | 7.6 | 1619 | 22 | 46  | 11  | 789      |
| 23    | 23-Sep-15 | 60025     | 60   | 7.5 | 1474 | 27 | 33  | 9   | 764      |
| 24    | 24-Sep-15 | 60085     | 55   | 7.3 | 1680 | 24 | 68  | 23  | 852      |
| 25    | 25-Sep-15 | 60140     | 65   | 7.5 | 1540 | 30 | 52  | 19  | 825      |
| 26    | 26-Sep-15 | 60205     | 65   | 7.6 | 1650 | 34 | 54  | 18  | 850      |
| 27    | 27-Sep-15 | 60270     | 65   | 7.6 | 1580 | 28 | 40  | 10  | 837      |
| 28    | 28-Sep-15 | 60335     | 65   | 7.1 | 1418 | 17 | 45  | 16  | 780      |
| 29    | 29-Sep-15 | 60400     | 67   | 7.4 | 1680 | 10 | 39  | 12  | 811      |
| 30    | 30-Sep-15 | 60467     | 68   | 7.3 | 1586 | 11 | 51  | 17  | 847      |
| 31    | 1-Oct-15  | 60535     |      |     |      |    |     |     |          |
|       |           |           | 1799 |     |      |    |     |     |          |

For

MPSEZ Utilities Pvt Ltd

# Analysis Report (CETP)

M/s Ahlstrom Fiber Composites India Pvt. Ltd.

Sep-15

| SR.NO. | DATE   | Start.rdg | Diff. | PH  | T.D.S. | S.S | C.O.D | B.O.D. | Chloride |
|--------|--------|-----------|-------|-----|--------|-----|-------|--------|----------|
| 1      | 1-Sep  | 16080     | 0     | 7.6 | 819    | 89  | 215   | 72     | 500      |
| 2      | 2-Sep  | 16080     | 25    | 7.6 | 676    | 100 | 182   | 61     | 354      |
| 3      | 3-Sep  | 16105     | 25    | 7.4 | 686    | 82  | 224   | 75     | 390      |
| 4      | 4-Sep  | 16130     | 25    | 7.5 | 745    | 66  | 190   | 63     | 414      |
| 5      | 5-Sep  | 16155     | 0     | 7.6 | 918    | 103 | 144   | 48     | 555      |
| 6      | 6-Sep  | 16155     | 0     | 7.7 | 902    | 67  | 182   | 61     | 542      |
| 7      | 7-Sep  | 16155     | 25    | 7.6 | 972    | 61  | 172   | 57     | 522      |
| 8      | 8-Sep  | 16180     | 25    | 7.6 | 924    | 108 | 170   | 57     | 530      |
| 9      | 9-Sep  | 16205     | 25    | 7.5 | 977    | 98  | 194   | 65     | 662      |
| 10     | 10-Sep | 16230     | 24    | 7.6 | 1050   | 84  | 165   | 54     | 590      |
| 11     | 11-Sep | 16254     | 26    | 7.5 | 1100   | 58  | 151   | 46     | 610      |
| 12     | 12-Sep | 16280     | 25    | 7.5 | 800    | 121 | 170   | 57     | 600      |
| 13     | 13-Sep | 16305     | 0     | 7.5 | 912    | 72  | 232   | 77     | 400      |
| 14     | 14-Sep | 16305     | 50    | 7.7 | 966    | 50  | 134   | 45     | 434      |
| 15     | 15-Sep | 16355     | 26    | 7.6 | 887    | 64  | 146   | 48     | 512      |
| 16     | 16-Sep | 16381     | 0     | 7.5 | 933    | 82  | 162   | 52     | 544      |
| 17     | 17-Sep | 16381     | 24    | 7.6 | 919    | 92  | 178   | 59     | 410      |
| 18     | 18-Sep | 16405     | 25    | 7.6 | 970    | 70  | 204   | 68     | 520      |
| 19     | 19-Sep | 16430     | 26    | 7.5 | 869    | 68  | 185   | 56     | 448      |
| 20     | 20-Sep | 16456     | 24    | 8   | 813    | 164 | 306   | 101    | 412      |
| 21     | 21-Sep | 16480     | 0     | 7.7 | 925    | 89  | 198   | 62     | 484      |
| 22     | 22-Sep | 16480     | 47    | 7.5 | 962    | 72  | 236   | 79     | 452      |
| 23     | 23-Sep | 16527     | 7     | 7.4 | 886    | 89  | 170   | 53     | 430      |
| 24     | 24-Sep | 16534     | 32    | 7.3 | 819    | 75  | 200   | 65     | 507      |
| 25     | 25-Sep | 16566     | 14    | 7.2 | 909    | 70  | 184   | 60     | 485      |
| 26     | 26-Sep | 16580     | 25    | 7.1 | 1100   | 86  | 151   | 42     | 501      |
| 27     | 27-Sep | 16605     | 0     | 7.4 | 1046   | 95  | 165   | 49     | 422      |
| 28     | 28-Sep | 16605     | 11    | 7.1 | 940    | 64  | 162   | 50     | 442      |
| 29     | 29-Sep | 16616     | 14    | 7.2 | 1150   | 42  | 130   | 44     | 368      |
| 30     | 30-Sep | 16630     | 25    | 7.8 | 662    | 72  | 185   | 60     | 300      |
| 31     | 1-Oct  | 16655     |       |     |        |     |       |        |          |
|        |        |           | 575   |     |        |     |       |        |          |

Note: Sampling done on daily basis, so whether effluent received or not received to CETP, analysis shown as per sampling done.

For  
MPSEZ Utilities Pvt Ltd

# Analysis Report (CETP)

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

Sep-15

| SR.NO. | DATE   | Start.rdg | Diff. | PH  | T.D.S. | S.S | C.O.D | B.O.D. |
|--------|--------|-----------|-------|-----|--------|-----|-------|--------|
| 1      | 1-Sep  | -         | 0     | 7.5 | 933    | 112 | 192   | 64     |
| 2      | 2-Sep  | -         | 0     | 7.8 | 1088   | 94  | 234   | 79     |
| 3      | 3-Sep  | -         | 0     | 7.7 | 1070   | 122 | 178   | 58     |
| 4      | 4-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 5      | 5-Sep  | -         | 0     | 7.6 | 978    | 136 | 201   | 67     |
| 6      | 6-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 7      | 7-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 8      | 8-Sep  | -         | 0     | 7.5 | 846    | 110 | 154   | 51     |
| 9      | 9-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 10     | 10-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 11     | 11-Sep | -         | 0     | 7.0 | 600    | 484 | 396   | 133    |
| 12     | 12-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 13     | 13-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 14     | 14-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 15     | 15-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 16     | 16-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 17     | 17-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 18     | 18-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 19     | 19-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 20     | 20-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 21     | 21-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 22     | 22-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 23     | 23-Sep | -         | 0     | 7.5 | 769    | 149 | 296   | 95     |
| 24     | 24-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 25     | 25-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 26     | 26-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 27     | 27-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 28     | 28-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 29     | 29-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 30     | 30-Sep | -         | 0     | 7.7 | 912    | 162 | 315   | 109    |
| 31     | 1-Oct  | -         |       |     |        |     |       |        |
|        |        |           | 0     |     |        |     |       |        |

Note: Sampling done on daily basis, so whether effluent received or not received to CETP, analysis shown as per sampling done.

For

N. P. Rathod  
MPSEZ Utilities Pvt Ltd

# Analysis Report (CETP)

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

Sep-15

| SR.NO. | DATE   | Start.rdg | Diff. | PH  | T.D.S. | S.S | C.O.D | B.O.D. |
|--------|--------|-----------|-------|-----|--------|-----|-------|--------|
| 1      | 1-Sep  | -         | 0     | 8.0 | 1234   | 184 | 268   | 89     |
| 2      | 2-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 3      | 3-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 4      | 4-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 5      | 5-Sep  | -         | 0     | 7.8 | 1024   | 198 | 350   | 119    |
| 6      | 6-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 7      | 7-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 8      | 8-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 9      | 9-Sep  | -         | 0     | -   | -      | -   | -     | -      |
| 10     | 10-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 11     | 11-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 12     | 12-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 13     | 13-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 14     | 14-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 15     | 15-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 16     | 16-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 17     | 17-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 18     | 18-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 19     | 19-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 20     | 20-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 21     | 21-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 22     | 22-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 23     | 23-Sep | -         | 0     | 7.7 | 1054   | 189 | 286   | 88     |
| 24     | 24-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 25     | 25-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 26     | 26-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 27     | 27-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 28     | 28-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 29     | 29-Sep | -         | 0     | -   | -      | -   | -     | -      |
| 30     | 30-Sep | -         | 0     | 7.5 | 1112   | 249 | 405   | 131    |
| 31     | 1-Oct  | -         |       |     |        |     |       |        |
|        |        |           | 0     |     |        |     |       |        |

Note: Sampling done on daily basis, so whether effluent received or not received to CETP, analysis shown as per sampling done.

For  
  
MPSEZ Utilities Pvt Ltd



# Analysis Report (CETP)

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

Sep-15

| SR.NO. | DATE   | Start.rdg | Diff. | PH  | T.D.S. | S.S | C.O.D | B.O.D. |
|--------|--------|-----------|-------|-----|--------|-----|-------|--------|
| 1      | 1-Sep  | 1096.4    | 11.6  | 7.6 | 968    | 92  | 166   | 57     |
| 2      | 2-Sep  | 1108.0    | 0.4   | 7.4 | 1027   | 83  | 152   | 51     |
| 3      | 3-Sep  | 1108.4    | 7.3   | 7.7 | 1058   | 108 | 162   | 54     |
| 4      | 4-Sep  | 1115.7    | 0     | 7.5 | 982    | 112 | 184   | 61     |
| 5      | 5-Sep  | 1115.7    | 0     | -   | -      | -   | -     | -      |
| 6      | 6-Sep  | 1115.7    | 0     | -   | -      | -   | -     | -      |
| 7      | 7-Sep  | 1115.7    | 0     | -   | -      | -   | -     | -      |
| 8      | 8-Sep  | 1115.7    | 0     | -   | -      | -   | -     | -      |
| 9      | 9-Sep  | 1115.7    | 18.7  | 7.4 | 1021   | 124 | 170   | 51     |
| 10     | 10-Sep | 1134.4    | 0     | -   | -      | -   | -     | -      |
| 11     | 11-Sep | 1134.4    | 11.9  | -   | -      | -   | -     | -      |
| 12     | 12-Sep | 1146.3    | 10.7  | 7.3 | 1090   | 102 | 99    | 31     |
| 13     | 13-Sep | 1157.0    | 11    | 7.5 | 942    | 84  | 78    | 25     |
| 14     | 14-Sep | 1168.0    | 9.7   | 7.6 | 789    | 72  | 82    | 28     |
| 15     | 15-Sep | 1177.7    | 0     | -   | -      | -   | -     | -      |
| 16     | 16-Sep | 1177.7    | 0     | -   | -      | -   | -     | -      |
| 17     | 17-Sep | 1177.7    | 0     | -   | -      | -   | -     | -      |
| 18     | 18-Sep | 1177.7    | 0     | -   | -      | -   | -     | -      |
| 19     | 19-Sep | 1177.7    | 0     | -   | -      | -   | -     | -      |
| 20     | 20-Sep | 1177.7    | 22    | 7.9 | 1045   | 65  | 151   | 54     |
| 21     | 21-Sep | 1199.7    | 0     | -   | -      | -   | -     | -      |
| 22     | 22-Sep | 1199.7    | 0     | -   | -      | -   | -     | -      |
| 23     | 23-Sep | 1199.7    | 5.8   | 7.5 | 945    | 75  | 115   | 33     |
| 24     | 24-Sep | 1205.5    | 0     | -   | -      | -   | -     | -      |
| 25     | 25-Sep | 1205.5    | 0     | -   | -      | -   | -     | -      |
| 26     | 26-Sep | 1205.5    | 0     | -   | -      | -   | -     | -      |
| 27     | 27-Sep | 1205.5    | 18.5  | -   | -      | -   | -     | -      |
| 28     | 28-Sep | 1224.0    | 0     | -   | -      | -   | -     | -      |
| 29     | 29-Sep | 1224.0    | 0     | -   | -      | -   | -     | -      |
| 30     | 30-Sep | 1224.0    | 0     | 7.6 | 969    | 84  | 126   | 42     |
| 31     | 1-Oct  | 1224.0    |       |     |        |     |       |        |
|        |        |           | 128   |     |        |     |       |        |

Note: Sampling done on daily basis, so whether effluent received or not received to CETP, analysis shown as per sampling done.

For

MPSEZ Utilities Pvt Ltd

Analysis Report (CETP)  
M/s Ashapura Garments Ltd.

Sep-15

| SR.NO. | DATE      | Start.rdg | Diff. | PH  | T.D.S. | S.S | C.O.D | B.O.D. |
|--------|-----------|-----------|-------|-----|--------|-----|-------|--------|
| 1      | 1-Sep-15  | 999       | 0     | -   | -      | -   | -     | -      |
| 2      | 2-Sep-15  | 999       | 1     | 7.5 | 654    | 38  | 120   | 40     |
| 3      | 3-Sep-15  | 1000      | 0     | 7.5 | 662    | 66  | 142   | 47     |
| 4      | 4-Sep-15  | 1000      | 2     | -   | -      | -   | -     | -      |
| 5      | 5-Sep-15  | 1002      | 1     | -   | -      | -   | -     | -      |
| 6      | 6-Sep-15  | 1003      | 0     | -   | -      | -   | -     | -      |
| 7      | 7-Sep-15  | 1003      | 1     | 7.5 | 714    | 74  | 114   | 38     |
| 8      | 8-Sep-15  | 1004      | 0     | -   | -      | -   | -     | -      |
| 9      | 9-Sep-15  | 1004      | 15    | 7.4 | 928    | 82  | 128   | 41     |
| 10     | 10-Sep-15 | 1019      | 13    | 7.4 | 650    | 80  | 125   | 40     |
| 11     | 11-Sep-15 | 1032      | 0     | 7.3 | 700    | 36  | 83    | 27     |
| 12     | 12-Sep-15 | 1032      | 0     | 7.4 | 700    | 68  | 114   | 20     |
| 13     | 13-Sep-15 | 1032      | 1     | -   | -      | -   | -     | -      |
| 14     | 14-Sep-15 | 1033      | 3     | 7.3 | 732    | 48  | 100   | 28     |
| 15     | 15-Sep-15 | 1036      | 0     | 7.5 | 787    | 52  | 118   | 40     |
| 16     | 16-Sep-15 | 1036      | 38    | 7.8 | 842    | 59  | 99    | 30     |
| 17     | 17-Sep-15 | 1074      | 1     | -   | -      | -   | -     | -      |
| 18     | 18-Sep-15 | 1075      | 1     | -   | -      | -   | -     | -      |
| 19     | 19-Sep-15 | 1076      | 0     | 7.4 | 848    | 45  | 94    | 26     |
| 20     | 20-Sep-15 | 1076      | 4     | 7.5 | 769    | 68  | 121   | 34     |
| 21     | 21-Sep-15 | 1080      | 0     | -   | -      | -   | -     | -      |
| 22     | 22-Sep-15 | 1080      | 0     | -   | -      | -   | -     | -      |
| 23     | 23-Sep-15 | 1080      | 0     | 7.3 | 889    | 69  | 116   | 36     |
| 24     | 24-Sep-15 | 1080      | 0     | -   | -      | -   | -     | -      |
| 25     | 25-Sep-15 | 1080      | 5     | -   | -      | -   | -     | -      |
| 26     | 26-Sep-15 | 1085      | 0     | -   | -      | -   | -     | -      |
| 27     | 27-Sep-15 | 1085      | 33    | -   | -      | -   | -     | -      |
| 28     | 28-Sep-15 | 1118      | 0     | -   | -      | -   | -     | -      |
| 29     | 29-Sep-15 | 1118      | 13    | -   | -      | -   | -     | -      |
| 30     | 30-Sep-15 | 1131      | 0     | 7.6 | 656    | 42  | 89    | 28     |
| 31     | 1-Oct-15  | 1131      |       |     |        |     |       |        |
|        |           |           | 132   |     |        |     |       |        |

Note: Sampling done on daily basis, so whether effluent received or not received to CETP, analysis shown as per sampling done.

For  
  
MPSEZ Utilities Pvt Ltd

| SR.NO. | DATE   | Tanker No. | Eff. Received | PH  | T.D.S. | S.S | C.O.D | B.O.D. | Chloride | Remarks     |
|--------|--------|------------|---------------|-----|--------|-----|-------|--------|----------|-------------|
| 1      | 1-Sep  | 537        | 3.45          | 7.8 | 1640   | 181 | 255   | 85     | 480      | Vijay Tanks |
| 2      | 2-Sep  | 537        | 3.44          | 8.0 | 1698   | 396 | 213   | 70     | 690      | IHI Corpo.  |
| 3      |        | 537        | 3.30          | 8.1 | 1390   | 326 | 226   | 75     | 740      | Vijay Tanks |
| 4      | 3-Sep  | 537        | 3.43          | 8.0 | 1869   | 293 | 296   | 98     | 545      | Vijay Tanks |
| 5      | 4-Sep  | 537        | 3.57          | 7.7 | 1444   | 127 | 213   | 71     | 546      | IHI Corpo.  |
| 6      | 5-Sep  | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 7      | 6-Sep  | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 8      | 7-Sep  | 537        | 3.56          | 8.0 | 1555   | 131 | 192   | 64     | 612      | IHI Corpo.  |
| 9      |        | 537        | 3.53          | 8.0 | 2044   | 233 | 254   | 85     | 700      | Vijay Tanks |
| 10     | 8-Sep  | 537        | 3.49          | 7.8 | 1600   | 184 | 234   | 75     | 714      | Vijay Tanks |
| 11     | 9-Sep  | 537        | 3.51          | 7.8 | 2100   | 247 | 264   | 88     | 734      | Vijay Tanks |
| 12     |        | 537        | 3.41          | 8.2 | 1764   | 214 | 302   | 101    | 652      | Vijay Tanks |
| 13     | 10-Sep | 537        | 3.50          | 8.3 | 2100   | 368 | 352   | 123    | 632      | Vijay Tanks |
| 14     |        | 537        | 3.53          | 8.0 | 1580   | 278 | 328   | 110    | 520      | IHI Corpo.  |
| 15     | 11-Sep | 537        | 3.50          | 8.2 | 1930   | 429 | 520   | 175    | 650      | Vijay Tanks |
| 16     | 12-Sep | 537        | 3.13          | 8.0 | 2000   | 218 | 360   | 121    | 518      | Toyo Engg.  |
| 17     |        | 537        | 3.22          | 7.8 | 1900   | 138 | 192   | 64     | 460      | Toyo Engg.  |
| 18     | 13-Sep | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 19     | 14-Sep | 537        | 3.26          | 8.3 | 2000   | 223 | 244   | 81     | 562      | Toyo Engg.  |
| 20     |        | 537        | 3.11          | 8.0 | 1700   | 134 | 152   | 50     | 532      | Toyo Engg.  |
| 21     |        | 537        | 3.15          | 7.8 | 1764   | 254 | 288   | 96     | 660      | Vijay Tanks |
| 22     | 15-Sep | 537        | 3.35          | 8.1 | 2150   | 123 | 276   | 90     | 714      | Vijay Tanks |
| 23     |        | 537        | 3.33          | 8.0 | 2000   | 118 | 218   | 86     | 537      | IHI Corpo.  |
| 24     | 16-Sep | 537        | 3.06          | 8.3 | 2000   | 217 | 228   | 76     | 646      | Vijay Tanks |
| 25     |        | 537        | 3.19          | 8.0 | 1750   | 164 | 194   | 65     | 678      | Vijay Tanks |
| 26     | 17-Sep | 537        | 3.26          | 7.8 | 1564   | 126 | 260   | 87     | 605      | IHI Corpo.  |
| 27     | 18-Sep | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 28     | 19-Sep | 537        | 3.37          | 8.2 | 2100   | 182 | 395   | 132    | 634      | Vijay Tanks |
| 29     | 20-Sep | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 30     | 21-Sep | 537        | 4             | 7.9 | 2000   | 178 | 350   | 117    | 600      | Vijay Tanks |
| 31     |        | 537        | 3.25          | 7.6 | 1344   | 118 | 245   | 82     | 512      | IHI Corpo.  |
| 32     | 22-Sep | 537        | 3.36          | 8.0 | 1734   | 139 | 296   | 99     | 622      | Vijay Tanks |
| 33     |        | 537        | 4             | 8.0 | 2038   | 166 | 262   | 87     | 628      | Vijay Tanks |
| 34     | 23-Sep | 537        | 3.37          | 7.9 | 1480   | 110 | 200   | 64     | 515      | IHI Corpo.  |
| 35     | 24-Sep | 537        | 3.15          | 7.8 | 1200   | 131 | 320   | 110    | 533      | Vijay Tanks |
| 36     | 25-Sep | 537        | 3.21          | 7.8 | 1800   | 157 | 186   | 65     | 621      | IHI Corpo.  |
| 37     |        | 537        | 3.13          | 8.0 | 1753   | 111 | 319   | 104    | 534      | Vijay Tanks |
| 38     | 26-Sep | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 39     | 27-Sep | -          | -             | -   | -      | -   | -     | -      | -        | -           |
| 40     | 28-Sep | 537        | 3.11          | 8.0 | 1605   | 167 | 192   | 66     | 560      | Vijay Tanks |
| 41     | 29-Sep | 537        | 3.15          | 8.3 | 1670   | 328 | 255   | 89     | 495      | Toyo Engg.  |
| 42     |        | 537        | 2.88          | 8.0 | 2100   | 257 | 272   | 94     | 525      | Toyo Engg.  |
| 43     | 30-Sep | 537        | 3.76          | 7.8 | 2100   | 706 | 450   | 156    | 474      | Vijay Tanks |
|        |        |            | 121.02        |     |        |     |       |        |          |             |

For

N. P. Rathod  
MPSEZ Utilities Pvt Ltd

|   |  |                                      |
|---|--|--------------------------------------|
|  | MPSEZ Utilities Pvt. Ltd., Mundra.<br>(CETP) | From : April,15<br>To : September,15 |
| Status of the conditions stipulated in Environment Clearance                      |  |                                      |

## ANNEXURE 2

### Details on Water Consumption & Wastewater Received from Member Units & Quantity of Treated Water

## Annexure – 2

### Details of Water Consumption (Apr-15 to Sep-15)

| Month        | Total water Cons, KL | Common Effluent Treatment Plant (CETP) Month wise Water consumption data in KL |               |
|--------------|----------------------|--|---------------|
|              |                      | Domestic   | Industrial    |
| Apr – 2015   | 140.00               | 40.00  | 100.00        |
| May – 2014   | 181.00               | 40.00  | 141.00        |
| June – 2014  | 93.00                | 30.00  | 63.00         |
| July – 2015  | 199.00               | 49.00  | 150.00        |
| Aug – 2015   | 188.00               | 46.00  | 142.00        |
| Sep – 2015   | 180.00               | 48.00  | 132.00        |
| <b>Total</b> | <b>981.00</b>        | <b>253.00</b>  | <b>728.00</b> |

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

#### (Apr-15 to Sep-15)

| Sr. No.                      | Month       | Effluent collected from member units in KL | Treated water Discharge in KL |
|------------------------------|-------------|--|-------------------------------|
| 1                            | Apr – 2015  | 3271                                       | 2929                          |
| 2                            | May – 2014  | 3372                                       | 3136                          |
| 3                            | June – 2014 | 3047                                       | 3462                          |
| 4                            | July – 2015 | 3824                                       | 3026                          |
| 5                            | Aug – 2015  | 3667                                       | 3690                          |
| 6                            | Sep – 2015  | 3360                                       | 3578                          |
| <b>Total Quantity</b>        |             | <b>20541</b>                               | <b>19821</b>                  |
| <b>Avg. Quantity per Day</b> |             | <b>112</b>                                 | <b>108</b>                    |

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

# **ANNEXURE 3**

## **List of CETP Member Units**



### Annexure – 3

#### List of CETP Member Units

| Sr. No. | Name of the Member Unit (Industrial Effluent)  | Booked Qty.<br>KLD |
|---------|--|--------------------|
| 1       | M/s. Dorf Ketal Speciality Catalyst Pvt. Ltd.  | 60                 |
| 2       | M/s. Ahlstrom Fiber composites India Pvt. Ltd. | 25                 |

| Sr. No. | Name of the Member Unit (Domestic Sewage)                                    |
|---------|--|
| 1       | M/s. Skaps Industries India (Pvt.) Ltd.                                      |
| 2       | M/s. Skaps Industries India (Pvt.) Ltd. (Unit II)                            |
| 3       | M/s. Mundra SEZ Integtaed Textile Apprel Park Ltd. (MITAP) – Common Facility |
| 4       | M/s. Ashapura Garments Ltd.  |
| 5       | M/s. GSPC LNG Ltd.   |

|   |  |                                      |
|---|--|--------------------------------------|
|  | MPSEZ Utilities Pvt. Ltd., Mundra.<br>(CETP) | From : April,15<br>To : September,15 |
| Status of the conditions stipulated in Environment Clearance                      |  |                                      |

# **ANNEXURE 4** **Summary of Environmental** **Monitoring Reports** **From April'2015 to September'2015**

**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 2015 TO SEPTEMBER 2015**

**PREPARED BY:**

**POLLUCON LABORATORIES PVT.LTD.  
544, BELGIUM TOWERS, RING ROAD, SURAT – 395 003  
PHONE/FAX – (+91 261) 2455 751, 2601 106, 2601 224.  
E-mail: pollucon@gmail.com Web: www.polluconlab.com**

**T 0820 - 821****ISO 9001:2008****ISO 14001:2004****OHSAS 18001:2007**

**H. T. Shah  
Lab Manager**



**Dr. Arun Bajpai  
Lab Manager (Q)**

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

## RESULT OF CETP OUTLET

| SR. NO. | TEST PARAMETERS             | UNIT  | CETP OUTLET  |  |  |  |  |  | TEST METHOD  |
|---------|-----------------------------|-------|--|--|--|--|--|--|--|
|         |                             |       | Apr-15   | May-15   | Jun-15   | Jul-15   | Aug-15   | Sep-15   |  |
| 1       | pH                          | --    | 7.35   | 8.38   | 8.35   | 9.3  | 8.01   | 8.46   | IS3025(P11)83Re.02   |
| 2       | Temperature                 | °C    | 32   | 31   | 32   | 28   | 30   | 30   | IS3025(P9)84Re.02  |
| 3       | Colour                      | Co-pt | 40   | 60   | 50   | 60   | 40   | 40   | IS3025(P4)83Re.02  |
| 4       | Total Suspended Solids      | mg/L  | 32   | 28   | 16   | 14   | 20   | 30   | IS3025(P17)84Re.02   |
| 5       | Oil & Grease                | mg/L  | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | APHA(22 <sup>nd</sup> Edi)5520D                            |
| 6       | Phenolic Compound           | mg/L  | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | IS3025(P43)92Re.03   |
| 7       | Ammonical Nitrogen          | mg/L  | 2.4  | 1.22   | 2.1  | 0.94   | 0.8  | 1.8  | IS3025(P34)88Cla.2.3                                       |
| 8       | BOD (3 Days @ 27 °C)        | mg/L  | 20   | 19.45  | 18   | 24   | 20   | 22   | IS 3025 (P44)1993Re.03Edition2.1                           |
| 9       | COD                         | mg/L  | 80   | 72   | 64   | 88   | 80   | 95   | APHA(22 <sup>nd</sup> Edi) 5520-D Open Reflux              |
| 10      | Chloride as Cl              | mg/L  | 534  | 594  | 590  | 562  | 505  | 429  | IS3025(P32)88Re.99   |
| 11      | Sulphate as SO <sub>4</sub> | mg/L  | 58.02  | 64.62  | 80.4   | 31.69  | 58.92  | 44.5   | APHA(22 <sup>nd</sup> Edi)4500 SO <sub>4</sub> E           |
| 12      | Total Dissolved Solids      | mg/L  | 1740   | 1203   | 1310   | 1855   | 1190   | 1339   | IS3025(P16)84Re.02   |
| 13      | SAR                         | --    | 4.7  | 3.24   | 5.29   | 5.4  | 1.1  | 10.53  | By Calculation   |
| 14      | Sodium as Na                | %     | 42.6   | 44.2   | 43.47  | 44.56  | 33.94  | 45.3   | AAS APHA(22 <sup>nd</sup> Edi) 3500 NA B/ Flame Photometer |
| 15      | Copper as Cu                | mg/L  | 0.024  | 0.018  | 0.012  | 0.024  | 0.032  | 0.016  | AAS APHA(22 <sup>nd</sup> Edi)3111 B                       |
| 16      | Nickel as Ni                | mg/L  | 0.016  | 0.012  | 0.018  | 0.028  | BDL*   | 0.019  | AAS APHA(22 <sup>nd</sup> Edi)3111 B                       |
| 17      | Cyanide as CN               | mg/L  | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | APHA(22 <sup>nd</sup> Edi)4500CN E                         |
| 18      | Boron as B                  | mg/L  | BDL*   | BDL*   | 0.4  | 0.6  | 0.5  | BDL*   | APHA(22 <sup>nd</sup> Edi)4500 B                           |
| 19      | Insecticides/Pesticides     | mg/L  | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | GC MS  |
| 20      | Bio-assay Test              | --    | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | 95 % Survival of fish after 96 hours in 100 % CETP Outlet effluent | OECD 203 B/IS: 6582-1971                                   |
| 21      | Residual Chlorine           | mg/L  | < 0.1  | 0.6  | 0.5  | 0.6  | 0.7  | 0.5  | APHA(22 <sup>nd</sup> Edi)4500 Cl                          |

\*Below Detection Limit



**H. T. Shah**  
Lab Manager




**Dr. Arun Bajpai**  
Lab Manager (Q)

## **RESULT OF AMBIENT AIR QUALITY MONITORING**

| WTP- NEAR CETP                           |                   |        |        |        |        |        |        | TEST METHOD   |
|--|-------------------|--------|--------|--------|--------|--------|--------|---|
| PARAMETER                                | UNIT              | Apr-15 | May-15 | Jun-15 | Jul-15 | Aug-15 | Sep-15 |   |
| Particulate Matter (PM10)                | µg/m <sup>3</sup> | 80.76  | 75.91  | 75.59  | 82.31  | 85.87  | 84.16  | IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011) |
| Particulate Matter (PM 2.5)              | µg/m <sup>3</sup> | 40.43  | 37.80  | 41.02  | 42.53  | 44.58  | 45.55  | Gravimetric- CPCB - Method (Vol.I,May-2011)                 |
| Sulphur Dioxide (SO <sub>2</sub> )       | µg/m <sup>3</sup> | 20.19  | 21.78  | 20.08  | 20.17  | 21.58  | 20.54  | IS:5182(Part II): Improved West and Gaeke                   |
| Oxides of Nitrogen as (NO <sub>2</sub> ) | µg/m <sup>3</sup> | 35.65  | 36.30  | 35.06  | 36.20  | 37.17  | 35.80  | IS:5182(Part VI):Modified Jacob &Hochheiser (Na-Arsenite)   |
| Hydrogen sulphide(H <sub>2</sub> S)      | µg/m <sup>3</sup> | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | BDL*   | IS:5182(Part VII) 1973                                      |

\*Below detection limit

Note: Monthly average is calculated based on 24 hourly & twice a week monitoring.




**H. T. Shah**  
Lab Manager





**Dr. Arun Bajpai**  
Lab Manager (Q)

## **RESULT OF NATIONAL AMBIENT AIR QUALITY MONITORING**

| WTP- NEAR CETP                                 |                   |                             |                            | METHOD OF MEASUREMENT                                       |
|--|-------------------|-----------------------------|----------------------------|---|
| TEST PARAMETER                                 | UNIT              | 09 <sup>th</sup> April 2015 | 18 <sup>th</sup> July 2015 |   |
| Respirable Particulate Matter (PM10)           | µg/m <sup>3</sup> | 78.68                       | 73.52                      | IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,May-2011) |
| Particulate Matter (PM 2.5)                    | µg/m <sup>3</sup> | 37.17                       | 37.17                      | Gravimetric- CPCB - Method (Vol.I,May-2011)                 |
| Lead as Pb                                     | µg/m <sup>3</sup> | BDL*                        | BDL*                       | CPCB Method (Vol.I,May-2011)                                |
| Benzo (a) Pyrene (BaP)- particulate phase only | ng/m <sup>3</sup> | BDL*                        | BDL*                       | CPCB Method (Vol.I,May-2011)                                |
| Arsenic as As                                  | ng/m <sup>3</sup> | BDL*                        | BDL*                       | CPCB Method (Vol.I,May-2011)                                |
| Nickel as Ni                                   | ng/m <sup>3</sup> | BDL*                        | BDL*                       | CPCB Method (Vol.I,May-2011)                                |
| Carbon Monoxide as CO                          | mg/m <sup>3</sup> | 0.45                        | 0.6                        | NDIR Digital Gas Analyzer                                   |
| Benzene as C <sub>6</sub> H <sub>6</sub>       | µg/m <sup>3</sup> | BDL*                        | BDL*                       | IS 5182 (Part XI):2006/CPCB Method                          |
| Ammonia (NH <sub>3</sub> )                     | µg/m <sup>3</sup> | 43.57                       | 36.8                       | CPCB Method (Vol.I,May-2011)                                |
| Sulphur Dioxide (SO <sub>2</sub> )             | µg/m <sup>3</sup> | 21.55                       | 20.53                      | IS:5182(Part 2):<br>Improved West and Gaeke                 |
| Oxides of Nitrogen as (NO <sub>2</sub> )       | µg/m <sup>3</sup> | 33.36                       | 33.47                      | IS:5182(Part 6):Modified Jacob & Hochheiser (Na-Arsenite)   |
| Ozone as O <sub>3</sub>                        | µg/m <sup>3</sup> | 25.82                       | 23.41                      | IS 5182 (PART IX) 1974 / CPCB Method (Vol.I,May-2011)       |
| Hydrocarbon as CH <sub>4</sub>                 | ppm               | BDL*                        | BDL*                       | SOP: HC: GC/GCMS/Gas analyzer                               |

  
**H. T. Shah**  
Lab Manager



  
**Dr. Arun Bajpai**  
Lab Manager (Q)



## Results of Noise level monitoring

### Result of Noise level monitoring [Day Time]

| Noise level in dB (A) Leq- Average |               |            |          |           |           |             |           | Limits in dB (A) Leq |
|------------------------------------|---------------|------------|----------|-----------|-----------|-------------|-----------|----------------------|
| Sr. No.                            | Location Name | April 2015 | May 2015 | June 2015 | July 2015 | August 2015 | Sept 2015 |                      |
| 1                                  | CETP          | 55.8       | 50.8     | 72.3      | 57.7      | 54.0        | 59.0      | 75 dB (A) Leq        |

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

| Noise level in dB (A) Leq- Average |                                   |            |          |           |           |             |           | Limits in dB (A) Leq |
|------------------------------------|-----------------------------------|------------|----------|-----------|-----------|-------------|-----------|----------------------|
| Sr. No.                            | Location Name                     | April 2015 | May 2015 | June 2015 | July 2015 | August 2015 | Sept 2015 |                      |
| 1                                  | CETP Inside Plant (Nr.Guard Pond) | 52.5       | 43.2     | 70.1      | 46.4      | 48.6        | 56.4      | 70 dB (A) Leq        |




H. T. Shah  
Lab Manager




Dr. Arun Bajpai  
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## Results of Bore Hole Water

| SR. NO        | TEST PARAMETERS                  | Unit                 | TEST METHOD        | Near CETP Main Gate    |                      |                      |                      |                      |                         |
|---------------|----------------------------------|----------------------|--------------------|------------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|
|               |                                  |                      |                    | April 2015             | May 2015             | June 2015            | July 2015            | August 2015          | September 2015          |
| Sampling Time |                                  |                      |                    | 16:00                  | 17:35                | 16:55                | 16:00                | 14:30                | 12:45                   |
| Tide details  |                                  | Time/Low Tide level  |                    | L-17:14 & 1.37 meter   | L-18:50 & 1.38 meter | L-20:09 & 1.43 meter | L-20:34 & 1.37 meter | L-09:13 & 1.22 meter | L-08:51 & 1.36 meter to |
|               |                                  | Time/High Tide level |                    | H-11:04 & 5.07 meter t | H-12:45 & 5.92 meter | H-14:00 & 6.23 meter | H-14:21 & 6.10 meter | H-15:19 & 5.74 meter | H-14:48 & 5.58 meter    |
| 1             | Temperature                      | oC                   | IS3025(P9)84Re.02  | 30                     | 29                   | 28                   | 29                   | 30                   | 30                      |
| 2             | pH                               | --                   | IS3025(P11)83Re.02 | 8.1                    | 7.92                 | 7.23                 | 7.7                  | 7.33                 | 7.99                    |
| 3             | Total Dissolved Solids           | mg/L                 | IS3025(P16)84Re.02 | 2140                   | 2250                 | 2310                 | 2714                 | 2572                 | 2838                    |
| 4             | Salinity                         | PPT                  | APHA 2510B         | 1.6                    | 1.72                 | 1.83                 | 1.904                | 1.87                 | 1.9                     |
| 5             | Chloride as Cl                   | mg/L                 | APHA 2520B         | 889                    | 934                  | 1006                 | 1054                 | 1034                 | 1059                    |
| 6             | Depth of Water from Ground Level | meter                | IS3025(P32)88Re.99 | 2.1                    | 2.2                  | 1.88                 | 2.21                 | 1.28                 | 2.12                    |

  
H. T. Shah  
Lab Manager



  
Dr. Arun Bajpai  
Lab Manager (Q)



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

**Minimum Detection Limit [MDL]**

| Water parameter(mg/L)     |                         |         |
|---------------------------|-------------------------|---------|
| Sr. No.                   | Test parameter          | MDL     |
| 1                         | Total Suspended Solids  | 1       |
| 2                         | Oil & Grease            | 1       |
| 3                         | BOD                     | 10      |
| 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                     | Lead as Pb ( $\mu\text{g}/\text{m}^3$ )                                  | 0.5 |
| 4                     | Benzo (a) Pyrene (BaP)- particulate phase only( $\text{ng}/\text{m}^3$ ) | 0.5 |
| 5                     | Arsenic as As ( $\text{ng}/\text{m}^3$ )                                 | 2   |
| 6                     | Nickel as Ni ( $\text{ng}/\text{m}^3$ )                                  | 10  |
| 7                     | Carbon Monoxide as CO ( $\text{mg}/\text{m}^3$ )                         | 1   |
| 8                     | Benzene as $\text{C}_6\text{H}_6$ ( $\mu\text{g}/\text{m}^3$ )           | 2   |
| 9                     | Ammonia ( $\text{NH}_3$ ) ( $\mu\text{g}/\text{m}^3$ )                   | 10  |
| 10                    | Sulphur Dioxide ( $\text{SO}_2$ ) ( $\mu\text{g}/\text{m}^3$ )           | 5   |
| 11                    | Oxides of Nitrogen as ( $\text{NO}_2$ ) ( $\mu\text{g}/\text{m}^3$ )     | 5   |
| 12                    | Ozone as $\text{O}_3$ ( $\mu\text{g}/\text{m}^3$ )                       | 5   |
| 13                    | Hydrocarbon ( $\mu\text{g}/\text{m}^3$ )                                 | 150 |

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

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

## ANNEXURE 5

# GPCB Sample Analysis Report



**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:168364 - Analysis Completion:08/10/2015

**Miscellaneous-Red / LAB Inward : 12606**

**TEST REPORT**

**Test Report No. : 12606**

**Date: 09/10/2015**

- |   |  |
|---|--|
| <b>1. Name of the Customer</b>                          | <b>: Mpsez Utilities Pvt. Ltd.(Mupl) - 10605</b>                                   |
| <b>2. Address</b>                                       | <b>: SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA,SURVEY NO. MUNDRA</b> |
| <b>3. Nature of Sample</b>                              | <b>: REP-Representative/Grab, (Insp Type : ROU-Routine Visit)</b>                  |
| <b>4. Sample Collected By</b>                           | <b>: G.M. Sadhu, R.O Head</b>  |
| <b>5. Quantity of Sample Received</b>                   | <b>: 5000</b>  |
| <b>6. Code No. of the Sample</b>                        | <b>: 168364</b>  |
| <b>7. Date &amp; Time of Collection &amp; Inwarding</b> | <b>: 13/08/2015 , (1555 to 1557) &amp; 21/08/2015</b>                              |
| <b>8. Date of Start &amp; Completion of Analysis</b>    | <b>: 21/08/2015 &amp; 08/10/2015</b>   |
| <b>9. Sampling Point</b>                                | <b>: ## Final Outlet of the ETP ~ From the Final outlet of CETP</b>                |
| <b>10. Flow Details (Remarks)</b>                       | <b>: --</b>  |
| <b>11. Mode of Disposal</b>                             | <b>: On land for gardening and plantation</b>                                      |
| <b>12. Ultimate Receiving Body</b>                      | <b>: u/g strata</b>  |
| <b>13. Temperature on Collection</b>                    | <b>: 30 &amp; pH Range on pH Strip :7 to 8 on pH strip</b>                         |
| <b>14. Carboys Nos for</b>                              | <b>: W-1 &amp; Color &amp; Appearance :Colourless</b>                              |
| <b>15. Water Consumption &amp; W.W.G (KLPD)</b>         | <b>: Ind :80.000 , Dom :20.000 &amp; Ind :0.000 , Dom :15.000</b>                  |

| Sr | Parameter              | Unit       | Test Method   | Range of Testing       | Result |
|----|------------------------|------------|---|------------------------|--------|
| 1  | Temperature            | Centigrade | IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)           | Ambient oC - 60 oC     | 30     |
| 2  | pH                     | pH Units   | 4500 H+ B APHA Standard Methods 22nd edi.2012         | 1 – 14 pH value As or  | 8.4    |
| 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       | 1184   |
| 5  | Suspended Solids       | mg/l       | Gravimetric method. (2540 D APHA Standard Methoc      | 2 – 10000 mg/L         | 18     |
| 6  | Ammonical Nitrogen     | mg/l       | 1).Titrimetric method (4500 NH3 B & C APHA Standa     | 1 - 2000 mg/l.         | 2.4    |
| 7  | Percent Sodium         | %Na        | IS11624-1986(Reaffirmed 2009)                         | 0.01 – 100%.           | 61     |
| 8  | Chloride               | mg/l       | Argentometric method. (4500 Cl? B APHA Standard M     | 1 - 50000 mg/l         | 523    |
| 9  | Sulphate               | mg/l       | APHA(22nd edi)4500 SO4 E                              | 2-40mg/l               | 108    |
| 10 | Chemical Oxygen Demand | mg/l       | APHA (22nd Edition)- 5220 B Open Reflux Method-2      | 5.0- 50000 mg/l        | 38     |
| 11 | Oil & Grease           | mg/l       | Liquid – Liquid Partition Gravimetric method. (5520 B | 01 – 1000 mg/l         | 3.6    |
| 12 | Phenolic Compounds     | mg/l       | 4 Amino Antipyrene method without Chloroform Extra    | 0.1 – 50 mg/l          | 1.2    |
| 13 | Fluoride               | mg/l       | SPADNS method (4500-F-D APHA standard Methods         | 0.10-40 mg/l           | 0.9    |
| 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          | 0.21   |
| 16 | Nickel                 | mg/l       | (3111 B APHA Standard methods 21st edi)               | 0.02-150 mg/l          | 0.22   |
| 17 | B.O.D (3 Days 27oC)    | mg/l       | 3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme   | 05–50000 mg/l          | 4.8    |

**Laboratory Remarks :** ----- By:439-r.o\_439 Dt.: 09/10/2015



**G.M. Sadhu, R.O Head**

**Field Observation :**

---

**Note :**

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



|   |  |                                      |
|---|--|--------------------------------------|
|  | MPSEZ Utilities Pvt. Ltd., Mundra.<br>(CETP) | From : April,15<br>To : September,15 |
| Status of the conditions stipulated in Environment Clearance                      |  |                                      |

# **ANNEXURE 6**

## **Copies of Hazardous Waste Disposal Manifest**






**Bhachau-Saurashtra Enviro Projects Pvt. Ltd**  
( Hazardous Waste Manifest )

**Manifest No:**  
**297222**  
**25/04/2015**

**Copy 6**

To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

|    |  |  |               |
|----|--|--|---------------|
| 1  | Occupier's Name & Mailing Address:<br>Registration No: 28203   | <b>10605 - Mpsez Utilities Pvt. Ltd.(Mupl)</b><br>PLOT NO:SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA, SURVEY NO. 141 (PART),VILL MUNDRA ,MUNDRA - 370421<br>DIST : Kutch, TAL : Mundra , GIDC : Not In Gidc |               |
| 2  | Transporter's Name & Address :   | Sep Logistic, Gandhidham Ph: 9824215101  |               |
| 3  | Transporter's Registration No :  | H-49542  |               |
| 4  | Vehicle No & Type :  | GJ12AW0107 - TRUCK   |               |
| 5  | Designated Facility Name & Site Add:   | <b>Bhachau-Saurashtra Enviro Projects Pvt. Ltd</b>   |               |
| 6  | Facility's Reg No with PCB :   | [t. Lt]  |               |
| 7  | Waste Type :   | Land Filling Waste   |               |
| 8  | Waste Description & Codes :  | 34.3   |               |
| 9  | Total Quantity :   | 9.200 Metric Tonne   | Containers: 1 |
| 10 | Consistency :  | Solid  |               |
| 11 | Waste Description :  | CETP sludge (Cat. no. 34.3): 9.200 MT  |               |
| 12 | <b>Occupier's Certificate :</b> I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.<br><br>Name & Stamp of Industry<br>Date: 25/04/2015<br>Signature: <i>N.P. Rathod</i> |  |               |
| 13 | <b>Transporter Acknowledgement of Receipt of Wastes</b><br>Stamp of: Sep Logistic<br>Date : 25/04/2015 0:00<br>Signature: <i>21656</i>   |  |               |
| 14 | Discrepancy Note Space   |  |               |
| 15 | <b>Facility Owner or Operator's Certification of Receipt of Hazardous Waste</b><br>Stamp of: Bhachau-Saurashtra Enviro Projects Pvt. Ltd<br>Date : 28 APR 2015<br>Signature: <i>[Signature]</i><br><br>  |  |               |
| Sr | Quantity   | Hazardous Waste Type   |               |
| 1  | 9.200  | 34.3 - Chemical Sludge From Waste Water Treatment  |               |




**Bhachau-Saurashtra Enviro Projects Pvt. Ltd**  
( Hazardous Waste Manifest )

**Manifest No:**  
**314646**  
**30/06/2015**

**Copy 6**

To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

|    |  |   |
|----|--|---|
| 1  | Occupier's Name & Mailing Address:<br>Registration No: 28203 | 10605 - Mpsez Utilities Pvt. Ltd.(Mupl)<br>PLOT NO:SURVEY NO. 141 (PART),SURVEY NO. 141 (PART),VILL MUNDRA, SURVEY NO. 141 (PART),VILL MUNDRA ,MUNDRA - 370421<br>DIST : Kutch, TAL : Mundra , GIDC : Not In Gide |
| 2  | Transporter's Name & Address :                               | Sep-Logistic, Gandhidham Ph: 9824215101   |
| 3  | Transporter's Registration No :                              | 33814   |
| 4  | Vehicle No & Type :  | GJ12AW0105 - TRUCK  |
| 5  | Designated Facility Name & Site Add:                         | Bhachau-Saurashtra Enviro Projects Pvt. Ltd   |
| 6  | Facility's Reg No with PCB :                                 | [t. Lt]   |
| 7  | Waste Type :   | Land Filling Waste  |
| 8  | Waste Description & Codes :                                  | 34.3  |
| 9  | Total Quantity :   | 9.110 Metric Tonne Containers: 1  |
| 10 | Consistency :  | Solid   |
| 11 | Waste Description :  | CETP Sludge (Cat No. 34.3): 9.11 MT   |

|    |   |
|----|---|
| 12 | <b>Occupier's Certificate :</b> I hereby declare that the contents of the consignment are fully and accurately decribed above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.<br><br>Name & Stamp of Industry<br>Date: 30/06/2015<br>Signature: N.P. Rathod |
|----|---|

|    |   |
|----|---|
| 13 | <b>Transporter Acknowledgement of Receipt of Wastes</b><br>Stamp of: Sep-Logistic<br>Date : 30/06/2015 0:00<br>Signature: [Signature] |
|----|---|

|    |  |
|----|--|
| 14 | Discrepancy Note Space   |
| 15 | <b>Facility Owner or Operator's Certification of Receipt of Hazardous Waste</b><br>Stamp of: Bhachau-Saurashtra Enviro Projects Pvt. Ltd<br>Date : 08 JUL 2015<br>Signature: [Signature] |

| Sr | Quantity | Hazardous Waste Type                              |
|----|----------|---|
| 1  | 9.110    | 34.3 - Chemical Sludge From Waste Water Treatment |

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

# **ANNEXURE 7**

## **Medical Examination Report**



Nilesh Reethed 12/01/15

No u/o pml/m/m

No u/o May m/m

All Repts sent

FDS → 132  
PhM → 144 } suggest of  
Pre-diabetes

Adv

- ① Diet therapy
- ② Regulate sugar
- ③ HbA1c < 7%

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

## HEALTH CHECK UP

Name : MR. NILESH RATHOD

Profile :

Age / Sex : Male / 29.428

Ref. by : Mnepl

Date : 12/1/15

EmailID :

Complaints (if any) :

No fresh complaints.

Known Disease HTN / DM / IHD / Arthritis / Hypothyroid / Any Other :

NAD

Present Medications :

NAD

Hypersensitivity and drug :

NAD

Persnal History :

Bowel :

⊙

Diet :

veg

Micturition :

⊙

Habits :

NAD

Sleep :

⊙

Physical Activity / Exercise :

modl

Appetite :

⊙

at History (Up Past Medications): Tuberculosis / Jaundice / Blood Transfusion / Hospitalisation / Surgery:

NAD

Family History: HTN / DM / IHD / Stroke / Cancer / Asthma / Epilepsy / Others :

father - DM / HTN

Vital Sings:

Height : 174 cms

Weight : 86 kgs

BMI : 28.40

Waist : 101 cms

Hip : 116 cms

W/H Ratio : 0.8

Chest measurment : 96 cms

Inspiration : 100 cms

Expiration : 97 cms

Pulse : 74 /min

BP : 114/80 minHg.

Ge

Ski : (0)

Sclera : (0)

Teeth and Gums : (0)

Puffiness of Face : mm

Respiratory System :

Air Entry : BL A.E. equal

Breathing : vesicular

Extra Sounds : mm

Cardiovascular System :

Heart : S3S4

Peripheral Pulsation : rythmic

Abdomen :

Contour : (0)

Tenderness : mm

Free Fluid : mm

Liver / Spleen / Kidney / Lump : not palpable

Central Nervous System :

Higher Function :

Cranial Nerves : /

Motor System : WNL

Sensory System : /

Reflexes : /

CONCLUSIONS : .....

.....

.....

.....

RECOMMENDATIONS : .....

.....

.....

.....

.....

.....

Nail : (0)

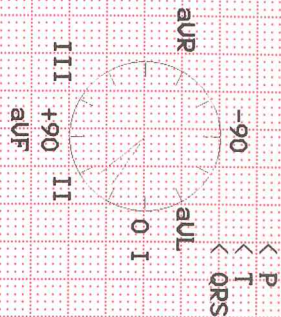
Pedal Oedema : mm

Lymphadenopathy : mm



Measurement Results:

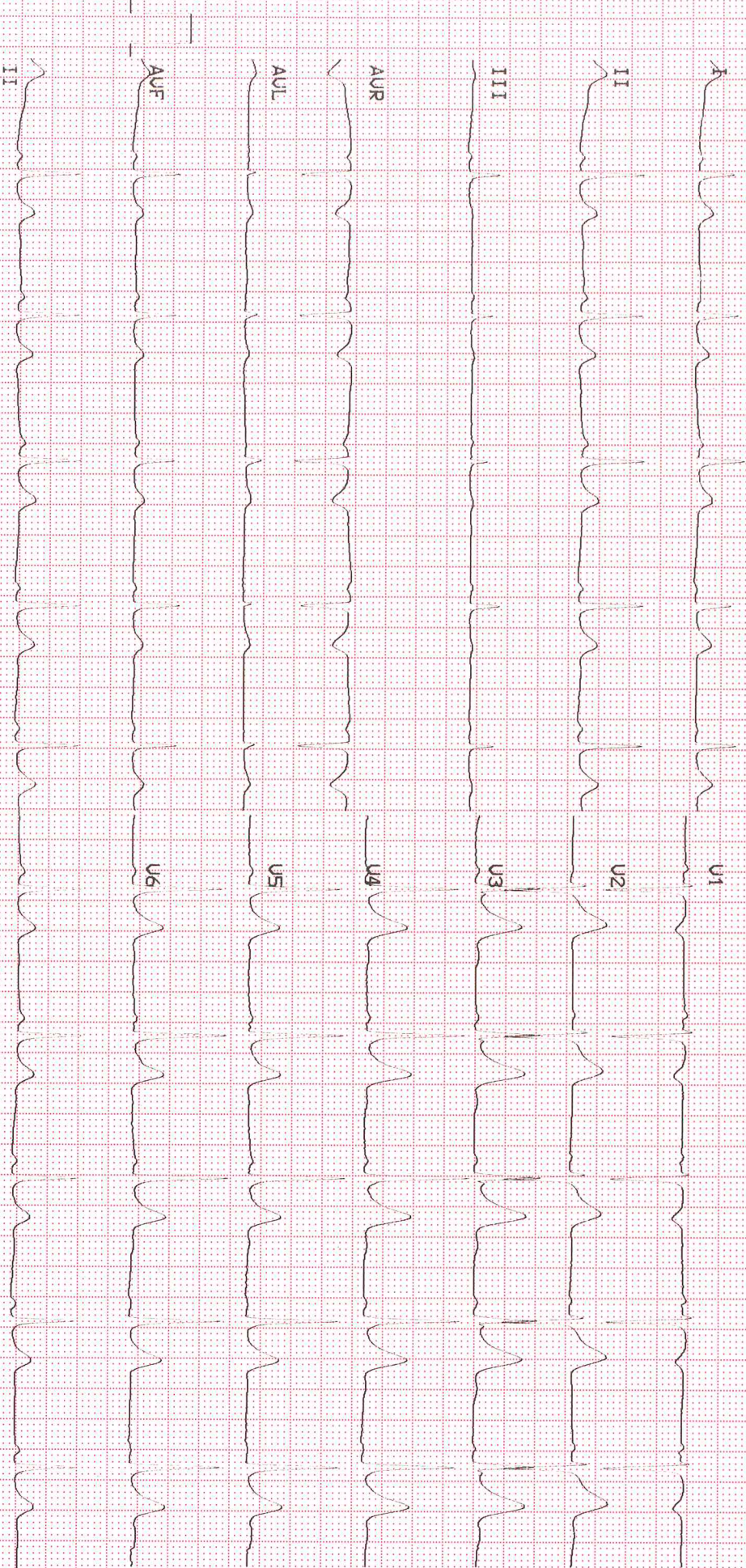
QRS : 90 ms  
QT/QTcB : 400 / 411 ms  
PR : 124 ms  
P : 98 ms  
RR/PP : 948 / 945 ms  
P/QRS/T : 50 / 50 / 35 degrees  
QTd/QTcBd : 18 / 18 ms  
Sokolow : 2.7 mV  
NK : 8



Interpretation:

Normal

Unconfirmed report.





ORDER NO.: 329068      ACC. NO.: 24431      SM NO.: 34814      ADM. NO.:  
 NAME: NILESH RATHOD      AGE: 29 YEARS      GENDER: MALE  
 REFERRED BY: DR. MAULIK PATEL      LOCATION: OPD      DATE: :  
 SAMPLE COLL DATE: 12/01/2015 10:04:01AM

**HEMATOLOGY**  
**MUPL HCP BELOW GM**  
**COMPLETE BLOOD COUNT (WITH ESR)**

| <u>Test</u>                     | <u>Result</u> | <u>Units</u> | <u>Normal Range</u> |         |
|---------------------------------|---------------|--------------|---------------------|---------|
| COMPLETE BLOOD COUNT (WITH ESR) |               |              |                     |         |
| RBC PARAMETERS                  |               |              |                     |         |
| HEMOGLOBIN                      | 14.30         | gm%          | 13.5                | - 17.5  |
| R.B.C. Count                    | 4.45          | Mill/c.mm    | 4.7                 | - 6     |
| HCT                             | 41.90         | %            | 42                  | - 52    |
| MCV                             | 94.20         | fL           | 78                  | - 100   |
| MCH                             | 32.10         | pg           | 27                  | - 33    |
| MCHC                            | 34.10         | g/dL         | 32                  | - 36    |
| RDW                             | 14.30         | %            | 11.5                | - 14    |
| WBC PARAMETERS                  |               |              |                     |         |
| Total Leucocyte Count           | 8,000.00      | /c.mm.       | 4000                | - 11000 |
| Neutrophils(%)                  | 61.00         | %            | 40                  | - 70    |
| Lymphocytes(%)                  | 33.00         | %            | 20                  | - 40    |
| Eosinophils(%)                  | 2.00          | %            | 0                   | - 5     |
| Monocytes(%)                    | 4.00          | %            | 0                   | - 6     |
| Basophils(%)                    | 0.00          | %            | 0                   | - 1     |
| Platelet Count                  | 277.00        | th/cmm       | 150                 | - 450   |
| Erythrocyte Sedimentation Rate  |               |              |                     |         |
| E.S.R.                          | 2.00          | mm/1hr       | 0                   | - 10    |

*Dr. Avani K Modi*

"Kindly correlate clinically or by other investigation"

Dr. Avani K Modi

Consultant Pathologist

Adani Hospitals Mundra Private Limited      Tel. +91 2838 61 9555  
 Nr. Samudra Township      12-Jan-2015 13:43      info@adanihospitals.com  
 Old Port Road      www.adanihospitals.com  
 Mundra 370 421  
 Gujarat, India

ORDER NO. : 329068      ACC. NO. : 24431      SM NO. : 34814      ADM. NO. :  
 NAME : NILESH RATHOD      AGE : 29 YEARS      GENDER : MALE  
 REFERRED BY : DR. MAULIK PATEL      LOCATION : OPD      DATE : 12/01/2015  
 SAMPLE COLL DATE : 12/01/2015 10:04:01AM

**BIOCHEMISTRY**  
**MUPL HCP BELOW GM**  
**BLOOD SUGAR FASTING & POST PRANDIAL**

| <u>Test</u>                                    | <u>Result</u> | <u>Units</u> | <u>Normal Range</u>  |
|--|---------------|--------------|--|
| <b>BLOOD SUGAR FASTING &amp; POST PRANDIAL</b> |               |              |  |
| Fasting Blood Sugar                            | 138.00        | mg/dl        | 70 - 110   |
| Fasting Urine Sugar                            | Absent        |              |  |
| Post Prandial Blood Sugar                      | 144.00        | mg/dl        | 90 - 140   |
| Post Prandial Urine Sugar                      | Absent        |              |  |
| <b>LIPID PROFILE</b>                           |               |              |  |
| Total Cholesterol                              | 157.00        | mg/dl        | Desirable: < 200<br>Border Line: 200 - 239<br>High: > 240                          |
| Triglycerides                                  | 75.00         | mg/dl        | Normal: < 150<br>Borderline High: 150 - 199<br>High: 200 - 499<br>Very High: > 500 |
| HDL-Cholesterol                                | 45.00         | mg/dl        | Low < 40<br>High > 60  |
| LDL-Cholesterol                                | 97.00         | mg/dl        | Optimal: < 100<br>Desirable: 100 - 120   |
| VLDL-Cholesterol                               | 15.00         | mg/dl        |  |
| L/H Ratio                                      | 2.15          | mg/dl        |  |
| C/H Ratio                                      | 3.47          | mg/dl        |  |
| <b>S.G.P.T</b>                                 | 53.00         | U/L          | 21 - 72  |
| <b>CREATININE</b>                              | 0.60          | mg/dl        | 0.8 - 1.5  |

*Dr. Avani K Modi*

"Kindly correlate clinically or by other investigation"

**Dr. Avani K Modi**  
**Consultant Pathologist**

ORDER NO.: 329068      ACC. NO : 24431      SMNO. : 34814      ADM. NO. :  
 NAME: NILESH RATHOD      AGE: 29 YEARS      GENDER: MALE  
 REFERRED BY: DR. MAULIK PATEL      LOCATION: OPD      DATE :  
 SAMPLE COLL DATE : 12/01/2015 10:04:01AM

**CLINICAL PATHOLOGY**  
**MUPL HCP BELOW GM**

| <u>Test</u>                      | <u>Results</u> | <u>Units</u> | <u>Reference Range</u> |
|----------------------------------|----------------|--------------|------------------------|
| <b>URINE ROUTINE</b>             |                |              |                        |
| <b>PHYSICAL EXAMINATION</b>      |                |              |                        |
| Quantity                         | 25.00          | ml           |                        |
| Colour                           | Pale Yellow    |              |                        |
| Appearance                       | Clear          |              |                        |
| Specific Gravity                 | 1.015          |              |                        |
| pH                               | 6.00           |              |                        |
| <b>CHEMICAL EXAMINATION</b>      |                |              |                        |
| Albumin                          | Absent         |              |                        |
| Sugar                            | Absent         |              |                        |
| Ketone Bodies                    | Absent         |              |                        |
| Blood                            | Absent         |              |                        |
| Bilirubin                        | Absent         |              |                        |
| Bile Salt                        | Absent         |              |                        |
| Bile Pigment                     | Absent         |              |                        |
| Urobilinogen                     | Absent         | mg/dl        |                        |
| <b>Microscopic Examination :</b> |                |              |                        |
| Red Blood Cells                  | Absent         | /hpf         |                        |
| Pus Cells                        | Occasional     | /hpf         |                        |
| Epithelial Cells                 | Absent         | /hpf         |                        |
| Crystals                         | Absent         | /hpf         |                        |
| Casts                            | Absent         | /lpf         |                        |
| Mucus                            | Absent         |              |                        |
| Bacteria                         | Absent         | /hpf         |                        |
| Amorphous Materials              | Absent         | /hpf         |                        |
| Budding Yeast                    | Absent         |              |                        |
| Parasite                         | Absent         | /hpf         |                        |
| Trichomonas                      | Absent         | /hpf         |                        |

*Adani*

"Kindly correlate clinically or by other investigation"

Dr. Ayani K. Modi  
 Adani Hospitals Private Limited  
 Nr. S. G. Tower  
 Old Port Road  
 Mundra 370 421  
 Gujarat, India

Tel +91 2838 61 9555  
 info@adanihospitals.com  
 www.adanihospitals.com

Report Printed On : 12-Jan-2015 13:43

DEPARTMENT OF RADIOLOGY

NAME : NILESH RATHOD AGE : 29 YEARS SEX : MALE  
SM NO. : 34814 LOCATION : OPD ADM NO. : - EXAM NO. : 12771  
REFERRED BY : DR. MAULIK PATEL ORDER NO. : 329068 DATE : 12/01/2015

## USG ABDOMEN

**Liver** : not enlarged in size and shows **diffuse fatty infiltration within**. No evidence of focal lesion.

Intrahepatic biliary radicles are non dilated. Portal vein and hepatic vein appears normal. CBD appear non dilated at porta hepatis.

**Gall bladder** : distended & appears normal in size. wall thickness normal. No calculus seen.

**Pancreas** : normal in size and echotexture. No focal calcification or duct dilatation seen.

**Spleen** : normal in size and echotexture. Splenic vein is normal in calibre at hilum.

**Both kidneys** : Both kidneys are normal in size, position and echotexture. Corticomedullary differentiation is normal. No calculus or hydronephrosis seen.

**U.bladder** : distended and no calculus seen. Wall thickness normal. No evidence of retroperitoneal adenopathy / ascites.

## IMPRESSION :

-Diffuse fatty infiltration in the liver; otherwise

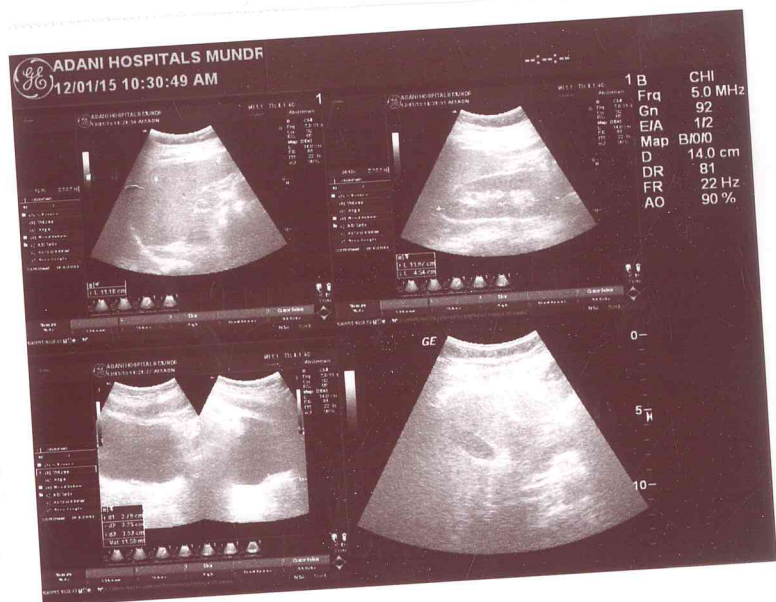
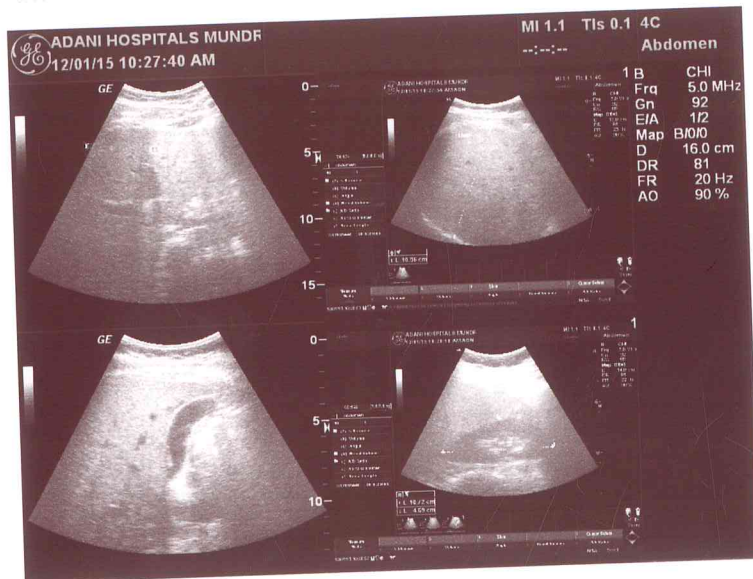
-No abnormality detected in liver, GB, pancreas, spleen, both kidneys and U.bladder.

Clinical-pathological correlation.

  
Dr. Creamy Patel

Consultant Radiologist






DEPARTMENT OF RADIOLOGY

NAME : NILESH RATHOD AGE : 29 YEARS SEX : MALE  
SM NO. : 34814 LOCATION : OPD ADM NO. : - EXAM NO. : 12411  
REFERRED BY : DR. MAULIK PATEL ORDER NO. : 329068 DATE : 12/01/2015

## X-RAY CHEST PA VIEW

Both lung fields are clear.  
Cardiac size is within normal limits.  
Costophrenic angles clear.  
Both domes of diaphragm appear normal.  
Visualised bony thorax and soft tissues appear normal.

Clinical Correlation.

  
Dr. Creamy Patel

Consultant Radiologist



# Adani Hospitals

Mundra

## EYE CHECKUP

SM No: - NILES - 348  
 Name: - Nilesh Beethod  
 Age: - 29.10.2015 Sex: - Male Date: - 12/1/15  
 Company: - MORL

| RE  |     |      |   | LE  |     |      |   |
|-----|-----|------|---|-----|-----|------|---|
| SPH | CYL | AXIS | V | SPH | CYL | AXIS | V |
|     |     | 6/9  |   |     |     | 6/9  |   |
|     |     | N/G  |   |     |     | N/G  |   |

GLASSES: -  
 REMARKS: -  
 CONTINUOUS /BIFOCEL/NEAR: -  
 COLOUR VISION :- Normal

## HEALTHCHECKUP SCHEDULE

NAME :-

Date :-

AGE :-

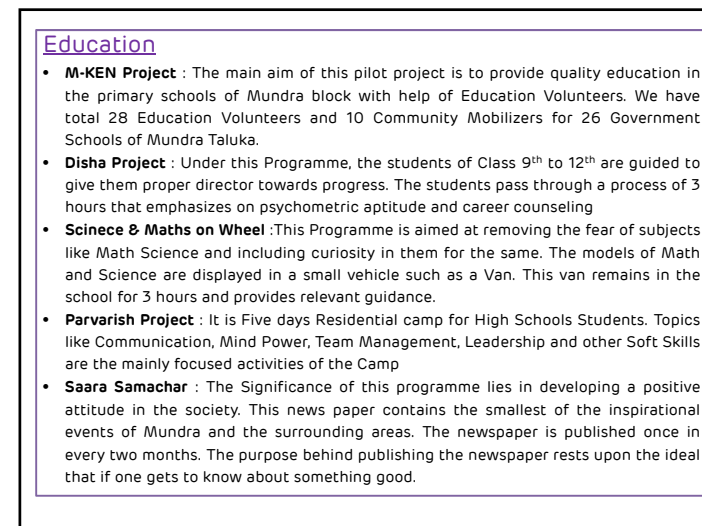
|                            | Scheduled Time | Actual Time | Sign |
|----------------------------|----------------|-------------|------|
| Registration               | 8:30- 8:35     |             |      |
| 1 <sup>st</sup> sample     | 8:35 - 8:45    |             |      |
| Normal checkup<br>(ht,wt,) | 8:45-8:50      |             |      |
| Breakfast                  | 8:50-9:05      |             |      |
| ECG                        | 9:05-9:15      |             |      |
| X-ray                      | 9:15-9:25      |             |      |
| MBBS Examination           | 9:25:-9:40     |             |      |
| TMT/PFT/Pap Smear          | 9:40-9:50      |             |      |
| 2 <sup>nd</sup> sample     | 11:-05         |             |      |
| Physician<br>Examination   | 1:-30          |             |      |

*all done*

|   |  |  |
|---|--|--|
|  | <b>MPSEZ Utilities Pvt. Ltd., Mundra.<br/>(CETP)</b> | <b>From : April,15<br/>To : September,15</b> |
| <b>Status of the conditions stipulated in Environment Clearance</b>               |  |  |

## ANNEXURE 8

### Details of CSR Activities



## Education

| Sr No | Project Name                    | No of School | No of Students | Level of Students                                       |
|-------|---------------------------------|--------------|----------------|---|
| 1     | M-KEN Project                   | 27           | 7582           | 1 <sup>st</sup> to 8 <sup>th</sup>                      |
| 2     | Disha Project                   | 21           | 2797           | 9 <sup>th</sup> to 12 <sup>th</sup>                     |
| 3     | SOW and Math Fair               | 35           | 2524           | 5 <sup>th</sup> to 8 <sup>th</sup>                      |
| 4     | Parvarish Project               | 16           | 300            | 9 <sup>th</sup> to 12 <sup>th</sup>                     |
| 5     | Material support to Govt School | 105          | 2245           | 1 <sup>st</sup> and 9 <sup>th</sup> to 12 <sup>th</sup> |

## Education Initiatives : Overview



## Adani Vidhya Mandir Bhadreshwar : Shaping Lives

- Quiz competition of Learning delight & Second semester exam in April 2015.
- Teachers of Navchetan Vidyalaya Visited School. & Interaction in April 2015.
- Remedial classes for Std.- 6,7, & 8 started from 22nd April 2015.
- Std.9th permission granted. ( new secondary school.)
- Distribution of Uniform , Notebooks & Textbooks in June 2015.
- Environment Day Celebration on 13th June 2015. and " International Yoga day Celebration" on 19th & 20th June 2015.
- Demonstrated about Solar System through Sun & Moon by PPT.
- Parents Meeting for Std.- 8 & 9 in August
- Celebration of Anand Mela by all students
- Adani foundation & D.E.O. Office Bhuj (Kutch) , organized "Education quality improvement workshop" on 12th August 2015.
- 69th Independence day Celebration
- Celebration of Sports Day on 25th August 2015.
- Rakhi Making Competition in August 2015.
- Demonstrated about "force & Speed" through the game Carom board to the Students of Std.-09 Sub.
- **International Ozone day celebration**
- Teachers & Students of Std:-5,6,7,8,9 participated in " Swachhta Abhyan Karyakram" organized
- During science week demonstrated the students of Std:-09 about experiments in the laboratory
- **Students gave speech & Exhibition on "Gandhi Jayanti".**
- School internal examination From 28<sup>th</sup> September to 03<sup>rd</sup> October 2015.

## Adani Vidhya Mandir Bhadreshwar : Shaping Lives





### Community Health : Mundra

#### Mobile dispensary and Rural Clinic New initiative Pathological instant test kits

1. Malaria antigen card (for malaria detection in blood)
2. Urinstix strip (for urine sugar and protein detection)
3. Urine pregnancy test card.

**Initiating Public Partnership**  
we have received room facility for our mobile van OPD at Pratappur, N. Bhujpur, M. Khakhar, Sadau, Chhasara, Hamiramora and Gundala villages.

#### Dialysis Support

9 beneficiaries have been receiving support 4 patient weekly 2 dialysis and 2 patient weekly 3 Dialysis, 1 patient weekly 1 Dialysis. (283 times)

#### Malnourishment Camp

We have organised six medical examination-Mal nourishment camps. Total 56 children benefited and now only 11 remained under malnourishment.

#### Poor Patient Support

204 Poor Patients have been extended financial support for treatment

#### Physiotherapy Camps for CP Children

We have started physiotherapy service to disabled children in coordination with BRC-Mundra, total 11 children identified & they receive physiotherapy weekly at our hospital.

#### Mobile Dispensaries & Rural Clinics

During this month, total 34740 patients were provided with free Health Care Services by Mobile Dispensaries. 33647 patients benefitted by the medical services at Rural Clinics.

#### Health Cards to Senior Citizens

During the month, total 9546 transactions were done out of 7380 card holders by beneficiaries Sr. Citizens of 65 Villages Mundra Taluka and they received cash less medical services Under this project.

#### Awareness Generation session

Dr. Jagruti Patel in Samaghogha Village "Women Health". Total 30 women participated in it.

Awareness Generation session by Dr. Jagruti Patel in ICDS Unit Mundra "Women Health". We had organised a seminar on "woman health awareness and world population day" in collaboration with ICDS and Taluka Health Office.

Awareness Generation session by Dr. Goswami in Adani Hospital for "Child Health Care". Total 25 women, Child, Anganwadi worker participated in it.

Personal Sanitation & Hygiene Awareness Session By Dr. Piludiya in Navinal High School for Total 61 Student participated in it.

### Community Health : Mundra Overview



### Health : Senior Citizen Project

#### Sr.Citizen Card Distribution

|                   |                   |                           |
|-------------------|-------------------|---------------------------|
| Old Village:- 36  | New Village:-29   | Total villages :-65       |
| Green Card:- 4293 | Green Card:- 2051 | Total Green cards :- 6344 |
| Blue Card:- 581   | Blue Card:- 209   | Total Blue cards :- 790   |
| Total Card:- 4874 | Total Card:- 2260 | Total Cards :- 7134       |



2<sup>nd</sup>  
Phase  
New 29  
Villages  
Added  
Total  
65  
Villages  
Covered

### GAIMS : Health is Wealth ....

- Smooth coordination between Adani foundation staff and Hospital staff by introduction of various department as well as doctors. During Six Months Patients Special Care and Coordination. Hospital Level both are Lab, OPD Department, Ward and Pharmacy Service Regarding.
- Death Body Carrier Van Service Start on 6 May 2015, During Six months total dead body to farther Different places put in Kutch District
- Total Health Camps organized in different Villages. Total No of Beneficiaries
- GAIMS AF Staff has initiated to synchronize with Sarpanch, Grampanchayat members, Leaders and local stakeholders. During this Period Total Village Level Meeting organized with Sarpanch, Leader, Women Groups and other Stakeholders . We had discussion of Hospital Services and Initiatives of Adani Foundation



### Fisherman Amenities

- As Education initiative for children at Balwadi are able to read write and speak A B C, recite Jan -Dec, numeric 1-50 very well. Moreover they are also teaching other fellow students.
- Education Material support given to 52 Students of Juna Bandar, Luni Bandar, Zarpara, Navinal and Bhadreshwar.
- Organize Balwadi Pravetsotsav for new admission of children in presence of their parents and leader of their community to reduce there fear about the class.
- Mother's meet on the topic of "Regularity in class" and also aware them for their children admissions in 1<sup>st</sup> Standard at 3 Vasahats.
- 48 Student Exposure Visit to Hajipir, Vithon-Nakhatrana Students from Navinal, Zarpara, Juna badar, Luni bandar & Bhadreshwar Village & Machhimar Vasahat.
- Arrangement of Vehicles for School Going Children from Bandar to respective villages. Presently We have made arrangements for Luni Bandar - 31 Students and Bavadi Bandar - 30 & Sekhadiya-7 Total-68 Students are being benefited.
- Independence day Celebration at Chachhvadi ,Juna Badnar and Luni Bandar



### Fisherman Amenities : Coordination and Meetings

- Meeting was organized with CEE For Samwad program and 40 fishermen from Luni, Shekhadia, Zarpara, Navinal, Bhadreshwar were involved for betterment and other benefits
- Meeting was organized between Adani Marine Dept and fishermen community from Navinal for solving an issue of vessel approach of West Port.
- Meeting at **Navinal** for discussion the Progress work of **Sanitation** & Meeting at **Modhava** for discussing about **Cricket Ground**
- Meeting with the fisheries department , Bhuj for Government Scheme of Machhimar Community.

### Income Generation Activities

- We have supported 21 Pagadiya Fisherman as a painting Labour.
- Mangroves plantation and maintenance, Total 1472 man days employment provided

### Fee Support - SMJ High School Luni

With the objective of - Fees can't be constraint to the study for Girl Child and Reduction in Drop out of Fishermen students as they cannot continue their studies We have supported 34 students for further studies at SMJ High School, Luni

### Exposure Visit

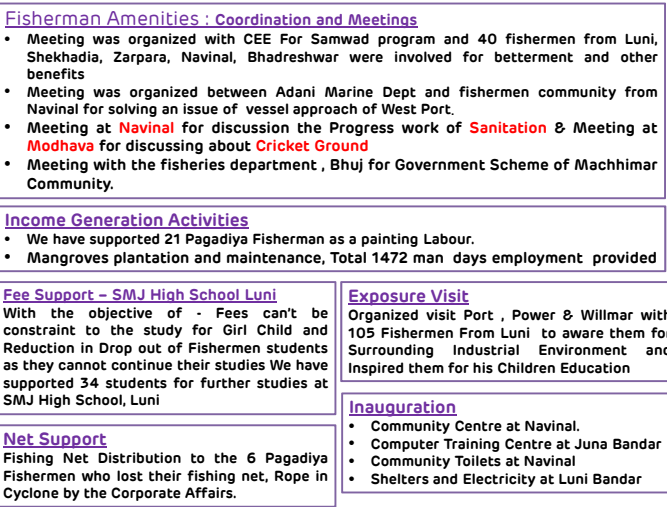
Organized visit Port , Power & Willmar with 105 Fishermen From Luni to aware them for Surrounding Industrial Environment and Inspired them for his Children Education

### Inauguration

- Community Centre at Navinal.
- Computer Training Centre at Juna Bandar
- Community Toilets at Navinal
- Shelters and Electricity at Luni Bandar

### Net Support

Fishing Net Distribution to the 6 Pagadiya Fishermen who lost their fishing net, Rope in Cyclone by the Corporate Affairs.



### Fisherfolk Amenities: Meetings and Coordination



### Fisherfolk Amenities: Overview







### Fisherman Amenities

- **"Pagadiya maachmaar no medavo"** was organized for the foot fishermen on 30<sup>th</sup> June at Adani House where fishermen from Luni, Shekhadia, Bhadreshwar, Mundra, Navinal and Zarpara village were invited.
- The main objective of this meet was to spread awareness and message of "De-Addiction", "Savings". Govt. Fisheries Officers given information about Govt Scheme related activities for Fishermen by Power Point Presentation.
- The Chief guests present were K.B Thakkar (Assistant director of Rajkot), Vishnu Brahmane (Officer-Fisheries) and Mavji bhai Bariya Director -VRTI, Mandvi and Mukesh Saxena Sir, Head -Adani Foundation
- It is great pleasure to share that many students from Fisherman community secured very good percentage in board examination. The parents of the students of class 10<sup>th</sup> and 12<sup>th</sup> were felicitated as their children scored high percentage.
- Moreover all the present Pagadiya fishermen were greeted with First-aid Box kit and Rechargeable torch which can be used daily in their fishing activity.

### Fisherman Amenities

- Adani Foundation has arranged **"Cricket tournament 'Adani Premiere League'"** for Ten Days for Fishermen Community in which, Total 36 Teams of Fishermen participated mainly from Village Zarpara, Navinal, Shekhadia, Luni, Bhadreshwar Vandi (Tuna), Tragdi & Modhava.
- Cricket Tournament was started on 05-06-2015 at Shantivan Colony Cricket Ground.
- Nasib Eleven - Modhava and Samrat Eleven- Navinal has given great competition and entered into Finals.
- Final was held on 14-06-15 Sunday at 10.00 am. Between Nasib Eleven - Modhava & Samrat Eleven- Navinal toss won by the Samrat Eleven- Navinal decided to field First, Nasib Eleven - Modhava made 125 Runs in 15 Overs and Samrat Eleven- Navinal reached to the target and in 13 Overs they all out by Nasib Eleven- Modhava and won the tournament by 8 Wickets.
- Adani Foundation has awarded Trophy and Prize to the Winner Team and runners up Team. Adani Foundation has Given Trophy and Prize to the "Man of the Match" and "Man of the series".



### Government Pension Scheme - Widows, senior Citizens and Handicapped

- We are playing the role of facilitator in case of tie up with Government Scheme of Widows, Senior Citizens and Handicapped people
- The identity cards issued to two persons for the handicapped in coordination with Bhuj Samaj Suraksha Khata by regular visit and follow up.
- Six month 38 widows and 27 Senior Citizens, total 147 members benefitted the approval of pension certificate. One senior citizen widow will get Rs. 400 monthly and other will get Rs.950 per month.

**Beti Vadhavo programme was organized 24 Villages in presence of Village Sarpanch and other leaders. We explain about the Various topics i.e. Importance about girl child, Sex Ratio, Gender Equality and Law regarding Child abortion.**

**This initiative is well accepted by community and we have observed visible change in mindset of them. We greet daughters with Kit (Small Bed sheet, Mosquito net, Soap and Cream with nutrition food for mother)**

| Category     | Total forms | Comp.     | Under Process |
|--------------|-------------|-----------|---------------|
| Widows       | 38          | 38        | 0             |
| Snr Citizens | 27          | 8         | 19            |
| Handicapped  | 82          | 47        | 35            |
| <b>Total</b> | <b>147</b>  | <b>93</b> | <b>54</b>     |

| Sr.no | No of Village | No of Daughters |
|-------|---------------|-----------------|
| 1     | 24            | 169             |

### Various Trainings

#### Women Empowerment Training

- **Objective:** Women Group Leadership and group strengthen
- **Point Discussed:** Leadership of Group, Difficulties arrived in group, How to Improvement leader and Strengthen Social Position
- **Venue:** Ahinsadham, Praggar
- **Partner:** VRTI, Mandvi
- **Participant Details:** 35 women from Siracha, Navinal and Kandagra and 32 women from Shekhadia and Sadau village.

#### Monsoon Relief Work

It is very sad to share that due to heavy rain, many cows and goats died in Beraja, Kukadsar and other villages. At village Fachariya, Maldhari Community is residing. They lost 82 cows in heavy rain. We had provided Feed bags to them to save other cows.

| Sr. no | Type of Trainings       | No of Women | No of Women |
|--------|-------------------------|-------------|-------------|
| 1      | Group Strengthens       | 2           | 38          |
| 2      | Savings Trainings       | 2           | 32          |
| 3      | Leadership Trainings    | 1           | 28          |
| 4      | Business Dev. Trainings | 1           | 30          |
|        |                         | 6           | 128         |

#### Farmer's Training

We have initiated Programme for Awareness of Farmers in collaboration of KVK. Outreach is approximate 30 farmers at 3 villages

**Objective:** Farmer group formation and issue Related agriculture

**Topic Discussed:**

- Group Formation: Rules and regulations
- Requirement discussion
- KVK and Adani Foundation collaboration and discussion of the work done together.
- Discussion and coming up with solution of the problems faced by the farmers.

### Livelihood Projects : Overview



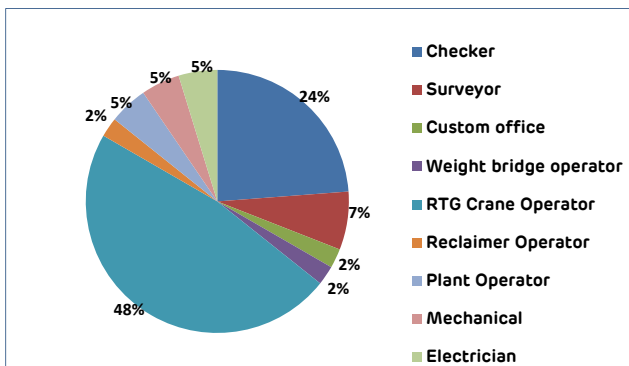
### Adani Skill Development Center: Mundra

The objective of Adani Skill Development Centre is to impart different kinds of trainings to the students of 10<sup>th</sup>, 12<sup>th</sup> or ITI from surrounding areas. Thus various employment oriented programmes are organized to optimize the skills, art and knowledge through proper guidance and direction.

### Course wise Status: Mundra

| Sr.No. | Course Name                      | Location    | M   | F   | Total |
|--------|----------------------------------|-------------|-----|-----|-------|
| 1      | IT -Basic Computer               | ASDC        | 44  | 25  | 69    |
| 2      | Tally ERP 9                      | ASDC        | 11  | 0   | 11    |
| 3      | Beauty parlor                    | Gundala     | 0   | 12  | 12    |
| 4      | Basic Embroidery Work            | Desalpur    | 0   | 25  | 25    |
| 5      | Tailoring                        | Desalpur    | 0   | 15  | 15    |
| 6      | IT - Basic Computer (Fisher men) | Navinal     | 12  | 10  | 22    |
| 7      | Beautyparlour                    | Mundra      | 0   | 27  | 27    |
| 8      | Checker                          | APSEZ       | 8   | 0   | 8     |
| 9      | Checker Cum RTG Crane Operator   | APSEZ       | 23  | 0   | 23    |
| 10     | IT - Basic Computer              | Siracha     | 57  | 46  | 103   |
| 11     | Tailoring                        | Shekhdiya   | 0   | 14  | 14    |
| 12     | Febric Work                      | Mundra      | 0   | 5   | 5     |
| 13     | Glass Printing                   | Mundra      | 0   | 5   | 5     |
| 14     | Mahendi                          | Mundra      | 0   | 10  | 10    |
| 15     | IT - Basic Computer              | Navinal     | 10  | 22  | 32    |
| 16     | Mobile Repairing                 | ASDC        | 14  | 0   | 14    |
| 17     | Mechanical & Electrical training | CT, APSEZ   | 11  | 0   | 11    |
| 18     | IT - Basic Computer              | Motabhadiya | 13  | 6   | 19    |
| 19     | Tailoring                        | Vadala      | 0   | 60  | 60    |
| Total  |                                  |             | 203 | 282 | 485   |

### Job Placement after Technical Training



42 people employed after technical training with average salary Rs. 9000/- Monthly.

### Adani Skill Development Center : Non Technical Training





| Rural Infrastructure Development : Building Block of the Society |  |
|--|--|
| <b>Work Completed during six months</b>                          |  |
| <b>Extension of Adani DAV School</b>                             |  |
| 1. Water conservation and ground water recharge                  | Pond deepening work, Mota Kandagara  |
| 2. Drinking water related activity                               | Repairing of RO plant in school at Dhrub<br>New RO plant in school at Tunda Wandh  |
| 3. Education Related Projects                                    | <b>Extension of Adani DAV School</b>   |
| 4. Health Related activity                                       | Medical center at Tragadi village<br>Toilet for widow woman at Luni village = 1 Nos<br>Toilet for widow woman at Baroi village = 1 Nos<br>Toilet blocks at Dhrub village = 8 Nos                               |
| 5. Other projects – corporate related activity                   | Atithi bhavan at Tunda Wandh<br>Over head tank at Modhava<br>Crematorium wall at Tragadi<br>Construction of rooms in Madrasa at Luni<br>Sai sutar comm hall at mundra<br>Approach road for Pagadiya, Shekhadia |



| Financial Budget                                     |   |                        |  |
|--|---|------------------------|--|
| Adani Foundation, CSR Budget - Mundra                |   |                        |  |
| Budget Utilization 2015-16 (April to September 2015) |   |                        |  |
| Sr. No.  | Program   | Budget 2015-16 In Lacs | Expenditure April to Sept.2015 In Lacs |
| A.   | Admin Expense   | 161.21                 | 52.49                                  |
| B.   | Education   |                        |  |
| (i)  | Education Initiative  | 48.30                  | 37.96                                  |
| (ii)   | Adani Vidya Mandir-Bhadrashwar                                | 124.06                 | 44.56                                  |
| (iii)  | Shanti Vihar  | 351.16                 | 147.89                                 |
|  | Sub Total   | 523.52                 | 230.41                                 |
| C.   | Community Health  | 332.52                 | 161.27                                 |
| D.   | Fisher Folk, Sustainable Livelihood Development & Agriculture | 160.00                 | 98.04                                  |
| E.   | Rural Infrastructure Development                              | 338.49                 | 75.25                                  |
|  | Other Expenditure   |                        | 88.90                                  |
| BUDGET 2015-16: GRAND TOTAL                          |   | 1515.74                | 706.36                                 |



મુઝા મોઝો સહન કરે છે. પરંતુ વંદતો તો તેમને એ વાતનું કુદાચ છે જેમને નવ નવ મહિના પોતાના કોઠામાં રાખીને પુણ્ય વહાણથી પાણા મોણે જઈને તો મોટા કોઠો છે તેવા ફેરવાના દિઠારોએ આજથી પૂર્વે જ પૂર્વે નથી આવતા કે જ? કહેવાય છે કે ‘હોવા તો છે’ તેવાં તો જોવા ગવડાના નામ છે કે જે ભીજા કોઈ પાસે નું સ્થાન બંધ કરે છે પરંતુ બીજા કોઈ માટે થઈ શકતું નથી. આવી મોઝાને ‘હોવા રત’ દિઠારીથી લેખિયવડમાં દાખલ હોવા છતાં પૂર્વ દિઠારોએ પુણ્ય પાત્ર નથી આવ્યા આ માની સારવાર તો પૂર્વ જ બચાવત રહેતા હશે. આથી પરંતુ જેટલો પોતાની કુનાયોને નહોતો એટલી કુનાયોને એ વાતનો છુટી કે પોતાના દિઠારોએ આવી કહેશે કે તમને કેમ છે? પરંતુ તે બન્યું નથી પણ એ વાતનો ખોટો આઢારી કોઈ-કોઈને શરતે પુરી કરી મરીમયેમને પાસે જઈને કીધું આ તમને કેમ છે? આ તમારે કોઈ જરૂર છે? એવા શરતે સાંભળવા વર્ણોત્તર પાત્રની માતાની આંખો સોધાર અથવાથી ઉપચાર ગઈ એને બોલ્યા બસ બેઠા આજ બીજી પાત્રે મારી દુર થઈ ગયા છે. એમ કહીને આવી ક્યાની ક્યાની સંભળ્યા આવા વડીલોને નથી કોઈ આઈક પ્રકારની જરૂરિયાત પરંતુ તેમ તો માત્ર બે મોઝા શબ્દની જરૂર છે. જે અણસી કાઠી-રંગે આવા છે.....

|                                      |                                      |                                  |                               |                                  |
|--------------------------------------|--------------------------------------|----------------------------------|-------------------------------|----------------------------------|
| સેલી એ સેલી સોને પોતે ઘડાવ્યું, તેની | મુલ્ય ૫૦ થી જતો.                     | ચોપાલામાં મહાશ્વેતી, રાન વિભાગના | ઘડાવેલા આપત્તિના પ્રામે ૩૦૦૦૦ | જેવામાં મહાશ્વેતી કાલો-કાલો-કાલો |
| મહાશ્વેતી પુણ્યવાળા આરો-મહેનો        | રવુમાં રમતી વાંસ મહાશ્વેતીને         | સમયેથી વધુને વધુ વધુથી વધી જતા   | ગૌતમનાથ મહાશ્વેતીને રાન-પુણ્ય | વિવિધ નેચાલી ઉપરનાં શોધકાલો      |
| મહાશ્વેતી પુણ્યવાળા આરો-મહેનો        | લીલીશ્વેતી મોરે આપત્તિના પ્રતિષ્ઠાના | મારવાને ઉપરના મહાશ્વેતીને        | કાલના નોટાને કાલો રાન-પુણ્ય   | મને કાલનાથી કાલનાં મહાશ્વેતીને   |
| સેલી એ સેલી સોને પોતે ઘડાવ્યું, તેની | મુલ્ય ૫૦ થી જતો.                     | મહાશ્વેતીને                      | જામો મને પોતે આપત્તિના કાલનાં | મહાશ્વેતીને                      |



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## Media Corner



Adani Foundation, Mundra

## Media Corner



Our Article in Chitraklekha

Adani Foundation, Mundra

## Media Corner



Adani Foundation, Mundra

## Media Corner



Adani Foundation, Mundra

વિરાયતન અને અદાણી વચ્ચે  
કેમ્પસ ઈન્ટરવ્યુના થયા કરાર

વિદ્યાર્થીઓને રોજગારી આપવા  
અદાણી-વીરાયતનનું જોડાણ

કોમ્પ્યુટરોની ક્ષમતાઓના વાદાવર  
માટે વિશિષ્ટતા ઔદ્યોગ અને  
રેનિંગ પુરી પાડવામાં આવે છે,  
જેના અંતર્ગત હાલ સુધીમાં જ  
અંતર ક્રેમસ, કે અંતર ક્રેમસ  
તેમજ ૧ પુર્ણ ક્રેમસ પણ  
કરવામાં આવ્યા છે અહીંના  
કરવાને જાણીતા ઉદ્યોગ એકમો  
ભારત વાયર, એન્ડ્રુ અપ,  
આઈ.પી. સી. નવગીત  
સચિતના ૨૦ જેટલા એકમોમાં  
જોડાયા હતા.

Adani Foundation, Mundra

મુંદરા ઘટકના ૯૫૧ કુપોષિત બાળકની  
સંભાળ લેખે લાગી : વર્ષમાં સંખ્યા ઘટીને ૨૫

આપ કાચની શિલિ  
જોઈએ તો મધ્યમ પુલ્કિત ૨૦  
અને અલ્પકાલિત ૫૫ થે.

કચ્છનાં બી.પી. અને બી.સી. સુખરની

Adani Foundation, Mundra

અદાણી ફાઉન્ડેશન દ્વારા

|  |   |   |
|--|---|---|
| સાકાર સર્વત્રય ધોષથી વગર<br>આ સર્વત્રય અભિપ્રાયના<br>અણગામી પાલક તૈયજ અણગામી | સર્વત્રય સર્વત્રય વગર આ અભિપ્રાયના<br>દુષ્ટ ઠગડોળી વધુ કર્મોગામીઓ<br>જોડવાના વગર આ ધિવત્રયના<br>મુખના સર્વત્રય તૈયજ<br>આગામીના પક્ષ જોડવાના વગર | દુષ્ટાદિ વિપાકાદિય વાગામીયા,<br>અભિપ્રાયના અણગામી, કાલગામી<br>સર્વત્રયના કાલગામીના આગામી<br>ધિવત્રયના તૈયજ અભિ<br>આગામીના જોડવાના વગર |
|--|---|---|

Adani Foundation, Mundra

Publicasyon : Aul Kial Sunday, July 26, 2015  
Edision : Singá Page No. : 6

உலக அமைதி தினம்  
உலக அமைதி தினம்

அமைதி உலகம் உலகம் அமைதி

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