O/C copy

ENVIRO TECHNOLOGY LIMITED

Reference No.: ETL/ANK/JUNE/2024/269

Date: 24th June,2024

To,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office,
Room no. 407, Aranya Bhawan,
Near CH-3 Circle, Sector 10A,
Gandhinagar- 382010

RECEIVED
G. P. C. Board
R. O. Ankleshwar
Date 29/05/24

Subject: Half yearly EC Compliance Status of Environmental clearance for expansion of M/s Enviro Technology Limited Common Effluent Treatment Plant for the period **October-2023 to March-2024.**

Ref.:

1. Environmental Clearance No. 10-2/2008-IA-III dated 23rd July 2009.
2. Environmental Clearance No. 10-2/2008-IA-III dated 3rd July 2017.
3. Environmental Clearance No. 10-82/2018-IA-III dated 16th December 2019

Respected Sir,

ETL is operating a CETP consisting of primary, secondary, and tertiary treatment located at plot No 2413/14 GIDC estate, Ankleshwar-393002, Dist.Bharuch,Gujarat.

We have two ECs referred under 1&3 and an EC validity extension referred under 2 We would like to draw your kind attention on the following:

1. EC referred under 1&2 i.e., EC dated 2009 & its validity extension dated 2017; we have not implemented any expansion as per this EC due to moratorium imposed on the critically polluted area which included Ankleshwar, and the validity of this EC is over on 22.07.2019. Non-implementation of this project is also mentioned in our EC dated 16.12.2019. Therefore, as the validity of this over, compliance report of this EC is not submitted.
2. EC dated 16.12.2019, referred under 3 for expansion (from 1.8 MLD to 3.5 MLD effluent) with modification is also not yet implemented. We have obtained a CTE from GPCB on 22.04.20 but due to Pandemic Covid-19, the project was delayed. Currently construction work for the said project is completed and plant is ready for commissioning.

We have not implemented EC 10-82/2018-IA-III dated 2019, but with this we are submitting its current compliance status along with all the required documents.

Kindly note that, ETL is currently operating on effluent inlet of 2.2 MLD as per its CCA amendment no.113210 dated 07.08.21.

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569, 252768, 250707
Email : dalwadlbd@beil.co.in, darjiam@beil.co.in
Reg. Office : 9701-16, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ETL inlet and discharge quantitates for the said period are as below which are within limits as per CCA dated 07.08.21:

Period	Average Inlet effluent (MLD)	Average Sewage (MLD)	Average Discharge Quantity along with sewage (MLD)
October-2023 to March-2024	1.56	0.99	2.40
Capacity as per CCA-113210 dated 07.08.21	2.2	1.1	3.5

We would like to bring to your kind attention that the treated effluent is discharged to FETP operated by NCT for further treatment and disposal to deep sea.

Thanking you,
Yours faithfully,
For **Enviro Technology Limited**

Authorized Signatory

C.C: (1) Gujarat Pollution Control Board
Ankleshwar

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
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Reg. Office : 9701-16, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

Compliance Status for the period of October'23 to March'24 Environment clearance to M/s Enviro Technology Limited for proposed expansion with modification of existing Common Effluent Treatment Plant at Ankleshwar within the existing premises at plot no 2413/14, Notified G.I.D.C. Estate, Ankleshwar. In category B- 7(h) of schedule with EIA notification, 2006.

Note: We received NOC on 22.04.2020 but due to Pandemic Covid-19, the project was delayed. The plant is complete and ready for use since 13.10.2022. CCA was applied but not received as FETP (Narmada Clean Technology Ltd., Ankleshwar where ETL discharges final treated water) is not complying with norms. However, CCA has been re-applied on 22.02.2024, and we are awaiting CCA. Therefore, this EC has not yet been implemented.

Environmental Clearance No. 10-82/2018-IA-III dated 16th December 2019

1. This has reference to your online proposal No. INGJ/MIS/84597/2018 dated 9th April 2019, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification,2006 under the Environment (Protection) Act,1986.:
   Noted

2. The proposal for grant of environmental clearance to the project Proposed expansion with modification of existing Common Effluent Treatment Plant at Ankleshwar within the existing premises by M/s Enviro Technology Limited, was considered by the Expert Appraisal Committee (Infra-2) in its 41st meeting held during 27-29 May ,2019 and 42nd meeting held during 10-12 July,2019. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:

   (i) M/s Enviro Technology Ltd. is the operator of existing CETP (capacity 2.2 MLD effluent with sewage of 1.7 MLD), since 1996 at plot No 2413/14 GIDC Notified Industrial Estate Ankleshwar. Raw Effluent from more than 250-member industries such as dyes, intermediate, pigment, chemicals, textile, pharmaceuticals etc. that are flourishing in and around Ankleshwar industrial estate is collected in tankers and treated at CETP having Primary, Secondary and Tertiary Treatment facilities. Treated effluent from CETP is being discharged through GIDC drain into Final Effluent Treatment Plant (FETP) operated by M/s. Narmada Clean Technology Ltd. (NCT), Ankleshwar for further treatment and disposal to deep sea. The plant is in operation with valid Consent to Operate & Authorization valid up to 18.03.2024.:
   Noted

   (ii) The Enviro Technology Limited had obtained Environment Clearance (EC) vide letter No.10 2/2008-IA.III dated 23.07.2009 for proposed capacity enhancement of Common Effluent Treatment Plant (CETP) for treatment of industrial effluent from 1.8 to 3.5 MLD. The Validity of Environmental Clearance (EC) for expansion was extended up to 22.07.2019 vide Letter No 10-2/2008-IA. III dated 03.07.2017 for treatment of 3500 m3/day industrial wastewaters and use of 1445 m3/day GIDC water. Consequent to notification of Moratorium imposed on Critically Polluted Areas which included Ankleshwar Industrial Estate vide OM No. J-11013/5/2010-IA. 11 (1) on 13.01.2010, there has been no expansion and no new industries came up as a result there has been no increase in effluent quantity. Accordingly, ETL did not expand the capacity of CETP

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and continued to operate on existing capacity of 2.2 MLD of raw effluent as earlier. In the year 2016, the Moratorium has been lifted for Ankleshwar Vide Letter No. J-11013/5/2010-1A. II (A) dated 25.11.2016 based on CEPI index.:

Noted

(iii) M/s ETL proposes expansion from 1.8 to 3.5 MLD industrial effluent with modification in the treatment technology plans to utilize the modified quantity sewage mixed with industrial wastewater and fresh water used for chemical dosing & other uses as detailed below:

Sr. No.	Particular	Existing (MLD)	Proposed (MLD)
1.	Industrial Effluent from Member Industries (including 600 m3/day of effluent stream of high Ammoniacal Nitrogen)	1.8	3.5
2.	Sewage	1.7	1.7
3.	Fresh/Raw Water	0.725	0.465
4.	Quantity of discharge of Effluent from CETP	3.5	5.548

Noted

(iv) Treated effluent from ETL is discharged to GIDC Drainage system which goes to FETP of NCTL (Narmada Clean Technology Ltd) along with effluent from other industries, for further treatment and disposal up to deep sea through closed pipeline system. ETL has also obtained membership for discharge of additional quantity of effluent after proposed expansion:

Noted

(v) The hazardous wastes generated from different process are listed below & shall be disposed according to Hazardous waste management handling rule.

Hazardous Waste / quantity per year	Source	Mode of disposal
ETP Sludge/36500 MT	ETP	BEIL, TSDF site
Used oil/1.8 MT	lubrication of equipment, DG set	Sold to approved recycler
Discarded Container/ 730 Nos.	Raw material packing container	Sold to authorized dealers
Spent Carbon from Tertiary Treatment / 54 MT	Filters	BEIL, TSDF site

Noted

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(vi) As per the EIA Notification, 2006 [as amended], the Common Effluent Treatment Units (CETP) units listed at Serial no. 7 (h) of the Schedule of EIA Notification of categorized under Category However due to location of the existing CETP in the Critically Polluted Area the project has been categorized as "A" category.:
Noted

(vii) Salient Features of the Project are:

Sr.no.	Parameters	Description
1.	Proposed plant capacity	Industrial wastewater: 3500 m3/day (including 600 m3/day of effluent stream of high ammonical nitrogen). Sewage: 1700 m3/day Raw water: 465 m3/day Total Influent: 5625 m3/day Total Discharge: 5548 m3/day
2.	Existing plant capacity	Effluent: 1800 m3/day Sewage: 1700 m3/day Raw water: 725 m3/day Total Discharge: 3500 m3/day (as per valid consent of GPCB)
3.	Plot Area	26543.79 sqm
4.	Location	Notified Industrial Area, Ankleshwar, Gujarat
	Coordinates	Latitude: 21037'11.03''N Longitude: 730 01'38.52'' E
5.	Source of Water	GIDC water supply
6.	Electricity /Power requirement	600 KVA Existing & 600 KVA Proposed. In case of power failure D.G. Set (2*1010 KVA Capacity) will be used.

Noted

(viii) ToR was approved by MoEF & CC (EAC), New Delhi vide letter F.No. 10 82/2018-IA-III dated 13.12.2018.:
Noted

(ix) Baseline monitoring of UPL-1 is also collected by us during from 8th March 2018 to 3rd June,2018 and same was revalidated for one month during 17th December 2018 to 15th January 2019.:
Noted

(x) Public hearing was exempted as the project area falls under notified Industrial zone of Ankleshwar.:
Noted

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(xi) Investment Cost of the project is approx. Rs. 19.35 Crores.:
Noted

(xii) Benefits of the project: The proposed CETP shall help in the economical treatment of industrial effluent from small scale industries. Thereby, improving the surrounding environment. Increase in direct/indirect employment opportunities thereby improving overall socio-economic condition.:
Noted

(xiii) Employment potential: During operation phase, total no of employee would be around 50.:
Noted

3. The project/activity is covered under category 'B' of item 7 ('Common Effluent Treatment plants (CETPs)' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to applicability of general condition i.e. project location in Critically Polluted Area, Ankleshwar, the proposal has been appraised at Central Level.:
Noted

4. The proposal was considered by EAC (Infra-2) in its 41st meeting held during 27-29 May 2019 and 42nd meeting held during 10-12 July 2019. The EAC during its meeting deliberated on the certified compliance report letter No. 5-283/2009(ENV)/161 dated 7.3.2019 issued by the MoEF&CC Regional Office Bhopal. As per Compliance report out of total 32 conditions, 7 are fully complied, 02 are compiled subject to condition, 4 are in which compliance are not applicable to the project proponent, 15 are agreed to comply and 4 are noted. As per the compliance report, the project proponent i.e. M/s Enviro Technology Limited had received 12 show-cause notices and 02 Directions for closure in past 3 years. All of which have been complied. No closure notice received in the past three years.:
Noted

5. The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended for grant of Environmental Clearance to the project with stipulated specific conditions along with other Standard EC Conditions as specified by the Ministry vide OM dated 4th January 2019 for the said project/activity, while considering for accord of environmental clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project Proposed expansion with modification of existing Common Effluent Treatment Plant at Ankleshwar within the existing premises by M/s Enviro Technology Limited, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under: -
Noted

A. **SPECIFIC CONDITION:**

Sr. No	Description	Status
I.	The project proponents will implement the project only after getting consent to establish from the SPCB.	Complied We received CTE from SPCB on 22.04.20, but due to Pandemic Covid -19, we have not implemented the project. We had Completed Our Construction Work. We have applied for CC&A on 22.02.2024 and is awaited. Hence this EC has not yet been implemented.
II	It shall be ensured that primary treatment of effluents to the level of influent quality standards as prescribed by the board, is ascertained at the member units.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of 3.5 MLD industrial effluent project.
III.	Member shall only be allowed access to the CETP if they have consent from the SPCB.	Shall be Complied. We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of 3.5 MLD industrial effluent project.
IV.	A dedicated access-controlled conveyance system shall be provided for transporting effluents from the member units of CETP.	Shall be Complied Conveyance of effluent is through dedicated tankers controlled by ETL. This system is followed presently, and we shall ensure compliance after project implementation. The tankers are also installed with GPS(LCS) System.
V.	Conformance to the influent and effluent standards shall be the responsibilities of CETP.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of the project.
VI.	The design of the CETP should be as approved by PCB.	Complied We submitted the layout and details to GPCB when taking CTE.

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<table>
<tr>
<td>VII.</td>
<td>There shall be flow meters at inlet and outlet of CETP to monitor the flow. Suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.</td>
<td>Shall be Complied

Effluent is received in tankers of 10 KL Capacity and the details are maintained. At the outlet, we have a Magnetic flow meter installed and readings are transmitted to NCT and noted. Based on this the quantities of inlet and outlet are measured.

Same system or other adequate system shall be adopted on implementation of the project.

Details of effluent received, and effluent discharged currently are attached below:

<table>
<tr><th>Month</th><th>Average Inlet Effluent (MLD) (2.2 MLD Industrial Effluent)</th><th>Final Discharge Quantity Along with 1.1 MLD sewage (Avg. MLD)</th></tr>
<tr><td>October'23</td><td>1.655</td><td>2.443</td></tr>
<tr><td>November'23</td><td>1.351</td><td>2.043</td></tr>
<tr><td>December'23</td><td>1.545</td><td>2.286</td></tr>
<tr><td>January'24</td><td>1.388</td><td>2.257</td></tr>
<tr><td>February'24</td><td>1.754</td><td>2.799</td></tr>
<tr><td>March'24</td><td>1.652</td><td>2.630</td></tr>
</table>
</td>
</tr>
<tr>
<td>VIII.</td>
<td>The units and the CETP shall maintain daily logbook of the quantity and quality of discharge from units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treatment water sent back to the units, quantity of the salts extracted from the treatment process and detail of the selling of such salts. All the above information shall be provided on the line of the website exclusive prepared from the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP</td>
<td>Shall be Complied
We are having digital display board in front of CETP, and all the required details are displayed.

Records of waste water received from member units and effluent discharge details are submitted to GPCB.

It may be noted that ETL is not sending back treated water to member units and is also not extracting salt.

EC compliance report comprising the above information is uploaded on the website.

We will also follow the same for proposed expanded capacity.</td>
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<tr>
<td>IX.</td>
<td>Periodical monitoring shall be carried out for the functioning of CETP and outlet parameters.</td>
<td>Shall be Complied

For the existing system of 2.2 MLD effluent:
a) Effluent characteristics at each stage of CETP are daily monitored to ensure proper functioning of the CETP.</td>
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</table>

Enviro Technology Ltd. Ankleshwar

<table>
<tr><td></td><td></td><td>b) Outlet parameters are also monitored daily in-house and by a third party monthly.
<table><tr><td colspan="8">Monthly Average of Final Discharge Quality for 2.2 MLD (Internal)</td></tr><tr><td>Month</td><td>Oct.-23</td><td>Nov.-23</td><td>Dec.-23</td><td>Jan.-24</td><td>Feb.-24</td><td>Mar.-24</td><td>GPCB Permissible Limits</td></tr><tr><td>pH</td><td>7.35</td><td>7.42</td><td>7.46</td><td>7.47</td><td>7.36</td><td>7.59</td><td>6.5 to 8.5</td></tr><tr><td>COD</td><td>884</td><td>952.33</td><td>919.26</td><td>914.60</td><td>872.24</td><td>967.90</td><td>1000 mg/L</td></tr><tr><td>BOD</td><td>10.79</td><td>8.68</td><td>8.19</td><td>6.90</td><td>5.48</td><td>8.00</td><td>200 mg/L</td></tr><tr><td>TSS</td><td>69.32</td><td>66.17</td><td>69.77</td><td>66.90</td><td>66.86</td><td>65.48</td><td>150 mg/L</td></tr><tr><td>NH4-N</td><td>39</td><td>50</td><td>45.29</td><td>56.23</td><td>41.07</td><td>33.97</td><td>50 mg/L</td></tr></table>
We are carrying out stagewise monitoring to ensure proper treatment. Microbial monitoring is also carried out. Internal monitoring & third-party monitoring shall be carried out on implementation of the project.

Third party monitoring reports for existing system are attached as Annexure – 1(A).</td></tr>
<tr><td>X.</td><td>The MOU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.</td><td>Shall be Complied

This procedure is being followed for the existing system and shall be complied in the future also.</td></tr>
<tr><td>XI.</td><td>Individual members to the CETP shall treat their effluents in primary treatment systems to the inlet quality standards of the CETP as prescribed by the SPCB.</td><td>Shall be Complied.</td></tr>
<tr><td>XII.</td><td>Individual members shall segregate their wastes in to concentrated and diluted streams and also as per the nature of chemical contamination and store them as per conditions to be specifically imposed in this regard by the SPCB.</td><td>Shall be Complied.

Currently, Segregation of effluent is done by industries. High Ammonia streams are sent separately for MAP treatment & remaining effluent is treated in the General Treatment section. This shall be complied for 3.5 MLD.</td></tr>
<tr><td>XIII.</td><td>Chemical recovery and reuse, either in-house or outside shall be practiced to the satisfaction of the SPCB. Use in agriculture shall be exercised with caution after getting the irrigation</td><td>Noted</td></tr>
</table>

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	management plan approved by the SPCB.	
XIV.	All tankers carrying untreated wastes and all hazardous and other wastes shall be properly labeled and transported as per the hazardous and other wastes rules 2016.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of expansion.
XV.	The detailed design of the various unit operation shall strictly conform to the directions of the SPCB as given in the CTE.	Shall be Complied
XVI.	The project proponent and SPCB should ensure that the member ship of CETP is restricted to only those industries which legitimately exist in the area. A list of industries in this regard shall be prepared by the association which will have the following details. • Name of industry • Office address • Location of industry • Status of consent under water act along with order number. • Status of consent under air act along with order number. • Production capacity as per consent orders. Total industrial effluent to CETP as per consent order.	Complied Before giving membership to any industry, we take their CCA issued by GPCB.
XVII	The unit shall inform the SPCB at least a week prior to undertaking maintenance activities in the recycle system and store/dispose treated effluents under their advice in the matter.	Shall be Complied. We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
XVIII	The unit shall also immediately inform the PCB of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the PCB.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
XIX	The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and	Shall be Complied

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	constantly monitor the influent quality to the CETP. The management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pretreatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the PCB and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the SPCB retain the powers to delink the defaulter unit from entering the conveyance system.	The effluent is conveyed to CETP through dedicated tankers of CETP. We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
XX	The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality of effluents accepted for discharge. This will form a part of the initial and renewal applications for CTO to be made before the SPCB.	Noted
XXI	Any changes in the manufacturing process, installed capacity or the quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, will only be done after an approval of the SPCB.	Noted and Shall be Complied. MOU between the ETL(CETP) and the member units will be done. In MOU, details of manufacturing Process, installed capacity are described. Any changes in MOU is done only upon capacity changes of CCA from members. We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
XXII	The treated effluent from CETP shall be blended with treated sewage prior to its discharge in river.	Not Applicable In our existing as well as proposed system for 3.5 MLD effluent, sewage is mixed with effluent before the effluent enters biological (secondary) treatment process. The treated effluent is not blended with treated sewage. Also, our discharge is to FETP for further treatment and disposal to sea and not in river.
XXIII	Domestic water requirement is 0.675 KLD, which will be met through water tanker supply.	Shall be Complied We are getting Water from GIDC through pipeline and is used for all requirements.

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<table>
<tr><td></td><td></td><td>In case of non-availability of water from GIDC, water from borewell is drawn. NOC from CGWA for withdrawal of ground water is received.</td></tr>
<tr><td>XXIV</td><td>The quantity of hazardous waste i.e. ETP sludge to be generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per HWM Rules, 2016.</td><td>Shall be Complied

Unit is disposing sludge to Common TSDF –BEIL for their existing operation and will continue the same for proposed operation after implementation. Sludge disposal quantity for existing facility is given under: (September'23 to March'24).
<table>
<tr><th>Month</th><th>Sludge Quantity (MT)</th><th>Consented Qty. in MT/Year</th></tr>
<tr><td>October'23</td><td>355.65</td><td rowspan="6">36500</td></tr>
<tr><td>November'23</td><td>245.66</td></tr>
<tr><td>December'23</td><td>421.01</td></tr>
<tr><td>January'24</td><td>357.69</td></tr>
<tr><td>February'24</td><td>344.11</td></tr>
<tr><td>March'24</td><td>325.47</td></tr>
</table>

Membership certificate of BEIL to dispose sludge is attached as Annexure -1(B)</td></tr>
<tr><td>XXV</td><td>Non-hazardous solid wastes and sludges arising out of the operation of the CETP shall be adequately disposed as per the consent to be availed from the SPCB. Non-hazardous solid wastes and sludges shall not be mixed with hazardous waste.</td><td>Shall be complied

We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.</td></tr>
<tr><td>XXVI</td><td>The effluent from member units shall be transported through pipeline. In case the effluent is transported through road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicle shall be fitted with proper GPS system.</td><td>Shall be Complied

Currently also the effluent is transported through road by CETP tankers fitted with GPS and proper manifest system.</td></tr>
<tr><td>XXVII</td><td>Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the water Act, 1974 as amended.</td><td>Shall be Complied

We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.</td></tr>
<tr><td>XXVIII</td><td>The CETP shall have adequate power back up facility, to meet the energy</td><td>Shall be Complied

As power back up, ETL has installed DG Set of 1010 KVA for smooth operation during power failure.</td></tr>
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Enviro Technology Ltd. Ankleshwar

<table>
<tr><td></td><td>requirement in case of power failure from the grid.</td><td></td></tr>
<tr><td>XXIX</td><td>All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MOEF and CC along with half yearly compliance report.</td><td>Shall be Complied.</td></tr>
<tr><td>XXX</td><td>The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environment safeguards under the supervision of a senior executive.</td><td>Complied
Details are as under:
<table><tr><th>Sr. No.</th><th>Name of the employee</th><th>Designation</th><th>Educational Qualification</th></tr><tr><td>1.</td><td>Mr. B. D. Dalwadi</td><td>C.E.O.</td><td>B.E. Chemical</td></tr><tr><td>2.</td><td>Mr. A. M. Darji</td><td>Advisor</td><td>M.Sc.-Biochemistry, L.L.B</td></tr><tr><td>3.</td><td>Mr. Narendra B Patel</td><td>D.G.M</td><td>M. Sc & PG Dip in Env. Mgt. & Tech.</td></tr><tr><td>4.</td><td>Mr. Akhil P. Karkhanis</td><td>Unit Head</td><td>M.E. Chemical</td></tr><tr><td>5.</td><td>Ms. Rakshita Vyas</td><td>D.G.M. (Env.)</td><td>M.Sc. Environment</td></tr><tr><td>6.</td><td>Ms. Priya Patel</td><td>Officer (Env.)</td><td>B.E. Environment</td></tr></table></td></tr>
<tr><td>XXXI</td><td>The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.</td><td>Complied

Our unit is a CETP and hence all the expenditure is for the purpose of environment protection measures.</td></tr>
<tr><td>XXXII</td><td>Project proponent should develop green belt all along the periphery of the site with native plant species that are significant and used for the pollution abatement.</td><td>Complied

Green belt is developed along the periphery.</td></tr>
<tr><td>XXXIII</td><td>The company shall draw up and implement corporate social responsibility plan as per the company act of 2013.</td><td>Shall be Complied

For the existing system, the company performs CSR as per the company act and after implementation of the project also the same shall be continued.</td></tr>
<tr><td>XXXIV</td><td>As per the ministry's office memorandum F No. 22-65/2017-IA.III</td><td>Complied.</td></tr>
</table>

Enviro Technology Ltd. Ankleshwar

<table>
<tr>
<td></td>
<td>dated 1st May 2018, and proposed by the project proponent, an amount of Rs. 19.35 Lakhs @ 1.0% of project cost shall be earmarked under corporate environment responsibility for the activities such as health, education, employability, and environment etc. the activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the RO as a part of half yearly compliance report, and to the district collector. It should be posted on the website of the project proponent.</td>
<td>Year wise expenditure on environmental protection is as below:
<table>
<tr><th>Year</th><th>Expenses (in Lacs.)</th></tr>
<tr><td>2020-21</td><td>10.00</td></tr>
<tr><td>2021-22</td><td>5.50</td></tr>
<tr><td>2022-23</td><td>16.11</td></tr>
<tr><td>2023-24</td><td></td></tr>
</table>
</td>
</tr>
<tr>
<td>XXXV</td>
<td>The project proponent shall also comply with the mechanism prescribed by the ministry vide letter No. Q*-16017/38/2018-CPA dated 24.10.2019 and O.M. F. No.22-23/2018-IA.III(pt.) dated 31.10.2019 for the instant project.</td>
<td>Noted</td>
</tr>
</table>

Enviro Technology Ltd. Ankleshwar

B. STANDARD CONDITION:

Statutory compliance:

I.	The project proponent shall obtain forest clearance under the provisions of forest act,1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable
II.	The project proponent shall obtain clearance from the national board for wildlife, if applicable.	Not Applicable
III.	The project proponent shall prepare a site-specific conservation plan and wildlife management plan and approved by the chief wildlife warden. The recommendations of the approved site-specific conservation plan/wildlife management plan shall be implemented in consultation with the state forest department. The implementation report shall be furnished along with the six-monthly compliance report.	Not Applicable
IV.	The project proponent shall obtain CTE/CTO under the provision of air act,1981 and the water act,1974 from the concerned SPCB.	complied. We have obtained CTE from GPCB. Applied for CTO.
V.	The project proponent shall obtain the necessary permission from the central ground water authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.	Complied. Currently, the borewells are sealed. no ground water is utilized at site in the last 2 years, water supply is from GIDC Notified Area Authority only. Ground water is utilized only when GIDC cannot supply required water. However, CGWA NOC is available no._____
VI.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Shall be complied. We have requested DGVCL (Power Supplying agency) to provide and said certificate attached as Annexure -1 (C).
VII.	All other statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire	Not applicable

Enviro Technology Ltd. Ankleshwar

	department, etc. shall be obtained, as applicable by project proponent from the respective competent authority.	No such clearances are required for our CETP, but if required in future, it shall be obtained.

I. Air quality monitoring and preservation:

I	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind direction.	Complied
II	Appropriate air pollution control system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.	Noted

II. Water quality monitoring and preservation:

I	The project proponent shall install 24*7 continuous effluent monitoring system with respect to standards prescribed in environment rules 1986 as amended from time to time and connected to SPCB and CPCB online server and calibrate these system from time to time according to equipment supplier specification through labs recognized under environment act,1986 or NABL accredited laboratories.	Complied. CEMS is installed in outlet and connected to SPCB and CPCB Server. Calibration of CEMS is done regularly
II	Total freshwater use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project. Total water requirement of 465 KLD is met through GIDC pipeline. In case of non-availability of water from GIDC, water from borewell is drawn. NOC from CGWA for withdrawal of ground water is received.
III	There shall be flow meters at inlet and outlet of CETP to monitor the flow. Suitable meters shall be provided to measure the quantity of effluent received. Quantity of effluent recycled/reused and discharged.	Shall be Complied. Effluent is brought to CETP through tankers of 10 Kl capacity and these data are maintained. Magnetic Flow meter is installed at the outlet.

Enviro Technology Ltd. Ankleshwar

		Details of effluent received in tankers and effluent discharged are given below. Same system shall be followed after implementation of proposed project. **Month** / **Average Inlet Effluent (MLD) (2.2 MLD Industrial Effluent)** / **Final Discharge Quantity Along with 1.1 MLD sewage (Avg. MLD)** October'23 / 1.655 / 2.443 November'23 / 1.351 / 2.043 December'23 / 1.545 / 2.286 January'24 / 1.388 / 2.257 February'24 / 1.754 / 2.799 March'24 / 1.652 / 2.630
IV	The units and the CETP will maintain daily logbook of the quantity of discharge from the units. Quantity of inflow into the CETP. Details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reuse within the industrial units, quantity of the treated effluent discharged. All the above information shall be provided on-line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP.	Shall be complied. These data are maintained for the existing system and shall be maintained for the 3.5 MLD system. Details of effluent received, and effluent discharged are attached below. **Month** / **Average Inlet Effluent (MLD) (2.2 MLD Industrial Effluent)** / **Final Discharge Quantity Along with 1.1 MLD sewage (Avg. MLD)** October'23 / 1.655 / 2.443 November'23 / 1.351 / 2.043 December'23 / 1.545 / 2.286 January'24 / 1.388 / 2.257 February'24 / 1.754 / 2.799 March'24 / 1.652 / 2.630 Details of Raw Material consumption (October'2023 to March'2024) in Kgs. **Chemicals** / **Oct.-23** / **Nov.-23** / **Dec.-23** / **Jan.-24** / **Feb.-24** / **Mar.-24** **Lime** / 41907.38 / 32718.2 / 49772.01 / 52331.86 / 52040.25 / 49392 **H_2O_2** / 0 / 0 / 0 / 0 / 0 / 0 **$FeSO_4$ (solid)** / 0 / 0 / 0 / 0 / 0 / 0 **Polyelectrolyte** / 2 / 9 / 4 / 3 / 36 / 8

Enviro Technology Ltd. Ankelshwar

		De foaming Agent	75	270	260	313	349	517
		Fin Deform-18	4320	4155	3979	3596	4010	3800
		Phosphoric Acid	500	450	430	700	480	445
		Poly Aluminum Chloride (PAC)	436	377	403	450	410	515
		Sodium Tripolyphosphate (STTP)	188	166	184	186	106	182
		$MgCl_2$	850	645	769	769	705	737
		Caustic Soda (NaOH)	370.77	327.15	283.53	545.25	327.15	348.96

V	The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharged. This will form a part of the initial and renewal applications for consent to operate to be made before the SPCB.	Noted
VI	No changes in installed capacity, quantity or quality of effluents as agreed upon in the initial MOU between the operator and the member units, addition of any new member units shall be carried without prior approval of ministry.	Noted
VII	The unit shall inform the SPCB at least a week prior to undertaking maintenance activities in the recycle system and store treated effluents under their advice in the matter.	Shall be complied. We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
VIII	The unit shall also immediately inform the PCB of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the PCB.	Shall be complied. We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
IX	The MOU between CETP and member units shall indicate the maximum quantity of	Complied

Enviro Technology Ltd. Ankleshwar

	effluent to be sent to the CETP along with the quality.	We are complying the same for existing operation (i.e., 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
X	The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents to the CETP which have a valid consent of the PCB and which meet the primary treated standards as prescribed. the CETP operator shall with the consent of the SPCB retain the powers to delink the defaulter unit from entering the conveyance system.	Complied. We are transporting primary treated effluent from small scale member industrial units in tankers and each tanker effluent is sampled and analyzed.
XI	The effluent from member units shall be transported through pipeline. In case the effluent is transported through road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.	Shall be Complied Currently also the effluent is transported through road by CETP tankers fitted with GPS and proper manifest system.
XII	Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.	Shall be Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
XIII	Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the SPCB.	Not Applicable
XIV	The project proponents will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the SPCB and ensure that the industrial units meet the primary effluent standards prescribed by the SPCB.	Shall be Complied. The conveyance of effluent from member units to CETP is done through dedicated rubber lined tankers, which is approved by SPCB. We are monitoring the effluent quality of every tanker received.
XV	The SPCB will also evaluate the treatment efficiency of the effluent treatment plant and its capability of meeting the prescribed standards. The final scheme of treatment	Noted

	would be such as is approved by the PCB in the CTE.	
XVI	The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.	Complied. In the board of Directors of company, two representatives are included.

III. Noise monitoring and preservation:

I	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to regional officer of the ministry as a part of six-monthly compliance report.	complied. We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of 3.5 MLD industrial effluent project.

SR.NO.	DATE	LOCATION	DAY TIME NOISE MONITORING AT 12.00 Hrs. LIMIT 75 dba	NIGHTTIME NOISE MONITORING AT 10.00 Hrs. LIMIT 70 dba
1	16.10.2023	Near Main Gate	63.7	45.1
2		Near Decanter	48.5	53.7
3		Near Aeration	70.3	63.8
4		Near Final Discharge	49.9	48.9
5	13.11.2023	Near Main Gate	58.4	46.7
6		Near Decanter	46.3	49.7
7		Near DG Room	67.1	66.3
8		Near Final Discharge	55.3	50.6
9	18.12.2023	Near Main Gate	57.6	50.8
10		Near Decanter	55.3	52.3
11		Near DG Room	52.6	65.2
12		Near Final Discharge	51.1	47.2
13	15.01.2024	Near Main Gate	61.2	49.2
14		Near Decanter	56.3	52.3
15		Near DG Room	69.4	67.3
16		Near Final Discharge	52.7	46.9
17	12.02.2024	Near Main Gate	62.5	52.1

Enviro Technology Ltd. Ankleshwar

		18		Near Decanter	59.6	50.3
		19		Near DG Room	72.3	65.8
		20		Near Final Discharge	51.3	46.3
		21	11.03.2024	Near Main Gate	64.7	53.1
		22		Near Decanter	60.4	51.9
		23		Near DG Room	71.5	66.3
		24		Near Final Discharge	52.8	48.8
II	Noise from vehicles, power machinery and equipment should be regularity serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment's.	Complied Vehicles and machinery are monitored regularly.				
III	Acoustic enclosures for DG set, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Complied PPEs are Provided near High noise area.				

IV. Waste management:

I	ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per hazardous and other wastes rules,2016.	Complied. Unit is disposing sludge to Common TSDF –BEIL for their existing operation and will continue the same for proposed operation after implementation. Sludge disposal quantity for existing facility is under: (October-2023 to March-2024). Noted for compliance as the 1.8 to 3.5 MLD effluent project is not yet implemented.

Month	Sludge Quantity (MT)	Consented Qty. in MT/Year
October'23	355.65	36500
November'23	245.66	
December'23	421.01	
January'24	357.69	
February'24	344.11	
March'24	325.47	

Membership certificate of BEIL TSDF to dispose ETP sludge is attached as Annexure -1(B)

Enviro Technology Ltd. Ankleshwar

II	Non-hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the consent to be availed from the state pollution control board. Non-hazardous solid waste and sludge shall not be mixed with hazardous wastes.	Complied We are complying the same for existing operation (i.e. 2.2 MLD industrial effluent) and will comply the same after implementation of proposed project.
III	The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure from the grid.	Complied As power back ETL has installed D G Set of 1010 KVA for smooth operation during power failure.
IV	The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the SPCB. Odor and inspect nuisance shall be adequately controlled.	Not applicable
V	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and demolition waste, management rules,2016.	Noted
VI	The solid wastes shall be segregated, managed, and disposed as per the norms of the solid waste management rules,2016.	Noted

V. Energy conservation measures:

I	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly.	Noted We are working out the viability.
II	Provide LED lights in their offices and residential areas.	complied.

VI. Green belt:

I	Green belt shall be developed in area as provided in project details, with	Shall be complied.

Enviro Technology Ltd. Ankleshwar

	native tree green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	There is no increase in land area for the proposed 3.5 MLD project, therefore green belt will remain the same. Trees Plantation outside the premises will be carried out to comply 33% requirement. Plant Layout attached as Annexure-1(D)

VII. Public hearing and human health issues:

I	Emergency preparedness plan based on the hazard identification and risk assessment and disaster management plan shall be implemented.	Complied. We have Onsite Emergency Action Plan attached as Annexure-1(E).
II	Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.	Complied Adequate firefighting system is installed at site. For existing operation, as power back up, ETL has installed D G Set of 1010 KVA for smooth operation during power failure.
III	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Noted Not Applicable. Contract Labor are not housed within the premises.
IV	Occupational health surveillance of the workers shall be done on a regular basis.	Complied. Health surveillance of workers is carried out six monthly.

IX. Corporate Environment Responsibility:

I	The company shall have a well laid down environmental policy duly approve by the board of directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of	Complied. The company has EHS policy and is implementing all aspects. The compliance status is presented in the Board of Directors meeting. A copy of Board resolution is attached as Annexure-1 (F)

Enviro Technology Ltd. Ankleshwar

	the environmental/forest/wildlife norms/ condition. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
II	A separate Environmental cell both at the project and company head quarter level with qualified personal shall be set up under the control of senior executive, who will directly to the head of the organization.	Complied. The EHS Head is reporting to CEO.
III	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the ministry/regional office along with six monthly compliance report.	Complied. Our unit is a CETP and hence all the expenditure is for the purpose of environment protection measures.
IV	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. An environment audit is carried out by a third party every year. The third party (Schedule – I) auditors are appointed by GPCB.

X. Miscellaneous:

II	The project proponent shall prominently advertise it at least in two local newspapers of the district or state, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.	Complied Having received the EC on 26th December, we have advertised in two local newspapers (Times of India and Divya Bhaskar) on date 01st January 2020 & 31st December 2019 informing that the "project has been accorded EC". Copy is attached as Annexure - 1 (G)

Enviro Technology Ltd. Ankleshwar

III	The copies of the environmental clearance shall be submitted by the project proponents to the heads of local bodies, panchayats, and municipal bodies in addition to the relevant offices of the government who in turn has to display the same for 30 days from the date of receipts.	Complied We have submitted the copy of EC to concerned panchayat, Zilla Parishad/municipal Corporation, Urban Local body, and the local NGO Acknowledgement sheet attached as Annexure-1 (H)
III	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half yearly basis.	Complied Half yearly EC Compliance report uploaded on website.
IV	The project proponent shall submit six-monthly reports on the status of the compliance of stipulated environmental conditions on the website of the ministry of Environmental, Forest and Climate change at environmental clearance portal.	Complied
V	The project proponent shall submit the environmental statement for each financial year in Form-5 to the concerned state pollution control board as prescribed under the environment rules, 1986, as amended subsequently and put on the website of the company.	Complied Copy of Environmental statement for the year of 2023-2024 is attached as Annexure – (I)
VI	The criteria pollutant levels or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. We are displaying information outside gate Digital display board is installed
VII	The project proponent shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of operation by the project.	Shall be complied.
VIII	The project authorities must strictly adhere to the stipulations made by the	Noted

	state pollution control board and the state government.	
IX	The project proponent shall abide by all commitments and recommendations made in the EIA/EMP report, commitment made during public hearing and also that during their presentation to the expert appraisal committee.	Noted
X	No further expansion or modifications in the plant shall be carried out without prior approval of the ministry of environment, forest, and climate change.	Noted
XI	Concealing factual data or submission of false/fabricated data may result in revocation of this environment clearance and attract under the provisions of environment act 1986.	Noted
XII	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
XIII	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted
XIV	The regional office of the ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full corporation to the officer of the regional office by furnishing the requisite data/information/monitoring reports.	Noted
XV	The above conditions shall be enforced, inter-alia under the provisions of the water(prevention & control of pollution) Act, 1974, the Air (prevention & control of pollution) Act, 1981, the Environment (protection) Act, 1986, Hazardous and other wastes (Management and transboundary movement)Rules, 2016 and the public liability insurance Act,1991 along with their amendments and rules and any	Noted

	other order passed by the Hon'ble supreme Court of India/High courts and any other court of Law relating the subject matter.	
XVI	Any appeal against this EC shall lie with the national green tribunal, if preferred within a period of 30 days as prescribed under section 16 of the national green tribunal act 2010.	Noted

6. This issues with the approval of the Competent authority. – Noted.

ANNEXURE - 1(A)

SRICT
Shroff S.R. Rotary Institute of Chemical Technology
Principal Supporter & Sponsor – UPL Ltd & Shroff Family
Managed by Ankleshwar Rotary Education Society
Constituent Institute of UPL University of Sustainable Technology
Rotary Ankleshwar

Test Report

Customer Name& Address: M/s. Enviro Technology Ltd. Plot no. 2413/14 GIDC Estate, Ankleshwar Dist: Bharuch	Report No :SRICT/EAUDIT/20230504/A-01 Issue Date: 04/05/2023 Contact person:- Mr. Narendra Patel

Sample Id Code	:	SRICT/20230411/A-01			
Sample Description	:	ETL F/O			
Date of sampling	:	11/04/2023	Sample received By	:	SRICT Audit Team
Date of sample received	:	11/04/2023	Test parameter	:	As mentioned in CCA
Date of starting Analysis	:	13/04/2023	Quantity of Sample	:	2 Lit.
Date of completion Analysis	:	17/04/2023	Packed/Seal	:	Packed
No. Of Samples	:	01			

RESULTS

Sr No	Parameter	Unit	Result	Permissible Limit	Method
1	pH	--	7.52	6.5 to 8.5	IS 3025(P-11) : 2022,Electrometric Method
2	Temperature	°C	28	40	APHA (23rd Ed) 2550
3	Colour	Hazen	6389	100 CU	APHA 2120 C, 2-7 to 2-8, 23rd Ed.: 2017,Spectrophotometric Single Wavelength Method
4	Total Suspended solids (TSS)	mg/l	89	150	IS3025(P-17) 1984 Amd.1 : 1999,Gravimetric Method
5	Total Dissolved Solid (TDS)	mg/l	19410	10000	IS3025(P-16), 1984,Gravimetric Method
6	BOD	mg/l	26	200	IS:3025 (Part 44), Amd.1:2000,Oxygen Depletion Method
7	COD	mg/l	673.20	1000	IS: 3025-Part 58, 2006,Open Reflux Method

Block No :402, At & Po : Vataria, Ankleshwar-Valia Road, Ta: Valia, Dist: Bharuch, Pin :393135,
Ph. no : +91-9712177799, Mo :+91-9727745875/76, E-mail: hr@srict.in, Website : www.srict.in

8	Oil & Grease	mg/l	BDL	10	APHA 5520-B, 5-42 to 44, 23rd Ed.: 2017,Liquid Partition Gravimetric Method
9	Phenolic compound	mg/l	0.68	5	APHA, 5530-D, Page No. 5-52, 23rd Ed.: 2017,Direct Photometric Method
10	Sulphide	mg/l	BDL	5	APHA 4500-S-2-F,4-187, 23rd Ed.: 2017,Iodometric Method
11	Ammonical Nitrogen	mg/l	40.32	50	IS: 3025-Part 34, 1988,Titrimetric Method
12	Total Kjedahl Nitrogen	mg/l	43.68	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
13	Phosphate	mg/l	2.15	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
14	Chlorides as Cl	mg/l	7858.55	1000	IS: 3025-Part 32, 1988,Argentometric Method
15	Sulphate as SO_4	mg/l	**2289**	1000	APHA ,4500-SO4-E, 4-199 to 200, 23rd Ed.: 2017,Turbidimetric Method
16	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
17	Fluorides	mg/l	1.52	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
18	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
19	Total Chromium	mg/l	0.13	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
20	Copper	mg/l	0.23	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
21	Nickel	mg/l	BDL	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
22	Zinc	mg/l	0.91	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
23	Iron	mg/l	1.09	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017
24	Manganese	mg/l	0.18	2	APHA 3111 A , 23 rd. ED.2017-AAS
25	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS

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26	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21,23 rd. ED.2017
27	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
28	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
29	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
30	Selenium	mg/l	BDL	0.05	APHA-3500-Se. B-C-23 rd. ED.2017-AAS
31	Insecticide/Pesticides	µg/l	ND	Absent	Pesticides & insecticides Ref. USEPA 508,525.2

BDL – Below Detection Limit

ND – Not Detected

Prepared by **Checked by** **Verified by**

Terms and conditions governing the test report issued

1. The results are applicable only to the given samples.
2. The test report shall not be reproduced in full or part without the written approval of the SRICT Environmental Laboratory.
3. The test report in full or part shall not be used for promotional or publicity purpose without the written consent of SRICT Environmental Laboratory.
4. Water/Waste water samples shall be stored for the period of one month after the date of issue of Report.

Block No :402, At & Po : Vataria, Ankleshwar-Valia Road, Ta: Valia, Dist: Bharuch, Pin :393135,
Ph. no : +91-9712177799, Mo :+91-9727745875/76, E-mail: hr@srict.in, Website : www.srict.in

Group : Waste Water
Discipline : Chemical

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Narendra Patel	Report No : SEL/20230522/A-001 Issue Date: 27/05/2023

Lab Id Code	:	SRICT/20230522/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	22/05/2023	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	23/05/2023	Quantity	:	2 Lit
Date of completion Analysis	:	26/05/2023	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Method
1	Temperature	°C	28.6	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	45.92	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	2.02	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
5	Fluorides	mg/l	0.15	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
6	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
7	Total Chromium	mg/l	0.16	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.65	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	BDL	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.89	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.03	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

12	Manganese	mg/l	0.11	2	APHA 3111 A , 23 rd. ED.2017-AAS
13	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS
14	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21.23 rd. ED.2017
15	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
16	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
17	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
18	Selenium	mg/l	BDL	0.05	APHA-3500-Se, B-C-23 rd. ED.2017-AAS
19	Insecticide/Pesticides	mg/l	Absent	Absent	Pesticides &Insecticides Ref. USEPA 508,525.2

BDL – Below Detection Limit, ND – Not Detected

Prepared and checked By

Authorized Signatory

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END OF REPORT

SRICT

Shroff S.R. Rotary Institute of Chemical Technology

Principal Supporter & Sponsor – UPL Ltd & Shroff Family
Managed by Ankleshwar Rotary Education Society
Constituent Institute of UPL University of Sustainable Technology

Rotary Ankleshwar

Group : Waste Water
Discipline : Chemical

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Narendra Patel	Report No : SEL/20230628/A-001 Issue Date: 04/07/2023

Lab Id Code	:	SRICT/20230628/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	28/06/2023	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	30/06/2023	Quantity	:	2 Lit
Date of completion Analysis	:	03/07/2023	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Method
1	Temperature	°C	28.6	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	47.04	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	1.98	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
5	Fluorides	mg/l	0.13	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
6	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
7	Total Chromium	mg/l	0.14	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.60	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	BDL	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.84	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.01	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

12	Manganese	mg/l	0.12	2	APHA 3111 A , 23 rd. ED.2017-AAS
13	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS
14	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21,23 rd. ED.2017
15	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
16	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
17	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
18	Selenium	mg/l	BDL	0.05	APHA-3500-Se, B-C-23 rd. ED.2017-AAS
19	Insecticide/Pesticides	mg/l	Absent	Absent	Pesticides &Insecticides Ref. USEPA 508,525.2

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END OF REPORT

Group : Waste Water
Discipline : Chemical

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Narendra Patel	Report No : SEL/20230720/A-001 Issue Date: 25/07/2023

Lab Id Code	:	SRICT/20230720/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	20/07/2023	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	21/06/2023	Quantity	:	2 Lit
Date of completion Analysis	:	24/07/2023	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Method
1	Temperature	°C	28.2	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	42.56	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	1.94	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method,
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
5	Fluorides	mg/l	0.16	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
6	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
7	Total Chromium	mg/l	0.15	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.63	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	BDL	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.80	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.05	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

12	Manganese	mg/l	0.16	2	APHA 3111 A , 23 rd. ED.2017-AAS
13	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS
14	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21,23 rd. ED.2017
15	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
16	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
17	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
18	Selenium	mg/l	BDL	0.05	APHA-3500-Se, B-C-23 rd. ED.2017-AAS
19	Insecticide/Pesticides	mg/l	Absent	Absent	Pesticides &Insecticides Ref. USEPA 508,525.2

BDL – Below Detection Limit, ND – Not Detected

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END OF REPORT

SRICT
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Principal Supporter & Sponsor – UPL Ltd & Shroff Family
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Constituent Institute of UPL University of Sustainable Technology
Rotary Ankleshwar

Group : Waste Water
Discipline : Chemical

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Narendra Patel	Report No : SEL/20230828/A-001 Issue Date: 01/09/2023

Lab Id Code	:	SRICT/20230828/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	28/08/2023	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	29/08/2023	Quantity	:	2 Lit
Date of completion Analysis	:	01/09/2023	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Method
1	Temperature	°C	24.9	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	41.44	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	2.12	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
5	Fluorides	mg/l	0.5	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
6	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
7	Total Chromium	mg/l	0.16	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.71	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	0.18	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.68	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.20	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

12	Manganese	mg/l	0.21	2	APHA 3111 A , 23 rd. ED.2017-AAS
13	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS
14	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21,23 rd. ED.2017
15	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
16	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
17	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
18	Selenium	mg/l	BDL	0.05	APHA-3500-Se, B-C-23 rd. ED.2017-AAS
19	Insecticide/Pesticides	mg/l	Absent	Absent	Pesticides & Insecticides Ref. USEPA 508,525.2

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END OF REPORT

Group : Waste Water
Discipline : Chemical

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Narendra Patel	Report No : SEL/20230911/A-001 Issue Date: 18/09/2023

Lab Id Code	:	SRICT/20230911/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	11/09/2023	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	12/09/2023	Quantity	:	2 Lit
Date of completion Analysis	:	16/09/2023	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Method
1	Temperature	°C	25.1	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	35.28	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	2.54	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrmetric method
5	Fluorides	mg/l	1.2	15	APHA 4500-F- D, 4-90 TO 4-91, 23rd Ed., : 2017, SPADNS Method
6	Hexavalent Chromium	mg/l	BDL	0.1	APHA(23rd Ed) 3500Cr-B,Colourimetric Method
7	Total Chromium	mg/l	0.28	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.95	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	0.12	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.56	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.95	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

12	Manganese	mg/l	0.33	2	APHA 3111 A , 23 rd. ED.2017-AAS
13	Mercury	mg/l	BDL	0.01	APHA-3112-Hg-B,23 rd. ED.2017-AAS
14	Lead	mg/l	BDL	0.1	AAS-APHA 3111-Pb-B,3-20 to 3-21,23 rd. ED.2017
15	Arsenic	mg/l	BDL	0.2	APHA 3111-AS-B,23 rd. ED.2017-AAS
16	Vanadium	mg/l	BDL	0.2	APHA-3500-V.B-AAS
17	Cadmium	mg/l	BDL	0.05	APHA 3111-Cd B , 23 rd. ED.2017-AAS
18	Selenium	mg/l	BDL	0.05	APHA-3500-Se, B-C-23 rd. ED.2017-AAS
19	Insecticide/Pesticides	mg/l	Absent	Absent	Pesticides &Insecticides Ref. USEPA 508,525.2

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END OF REPORT

ANNEXURE - 1(B)

BHARUCH ENVIRO INFRASTRUCTURE LIMITED

March 5, 2013

Enviro Technology Ltd.
Plot No.2413/2414,
GIDC, Ankleshwar.

Sub : Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for the common Solid/Hazardous waste disposal facility of Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar. You have booked solid waste quantity of 36,000 MT / Year. Your Membership No. is **Ank/048.**

Thanking you.

Yours faithfully,
For BHARUCH ENVIRO INFRASTRUCTURE LTD.

AUTHORISEDSIGNATORY

Plot No. 6701-16 GIDC Estate, Post Box No. 62, Ankleshwar 393 002, Dist. : Bharuch (Gujarat)
Phones (02646) 253135, 226228 • Fax : (02646) 222646 • E-mail : panjwania@unipho.com

ANNEXURE - 1(c)

ENVIRO TECHNOLOGY LIMITED

Ref.: ETL/ANK/06/2024/217

11 June 2024

To,
The Executive Engineer,
Industrial Division (O&M),
Dakshin Gujarat Vij Company Ltd.,
Near ONGC Over bridge,
Ankleshwar 393001,Dist.-Bharuch
Gujarat

Sub.: Power Adequacy Certificate for Enviro Technology Limited.

HT Consumer no:-39564

Dear Sir,

We are proposing to expand our Plant capacity from 2.2MLD to 3.5MLD.For Environmental Clearance,GPCB has inquired to submit the certificate of adequacy of available power from DGVCL.

We request you to issue us the same, so that we can submit it to GPCB.

Thanking you,

Yours faithfully,

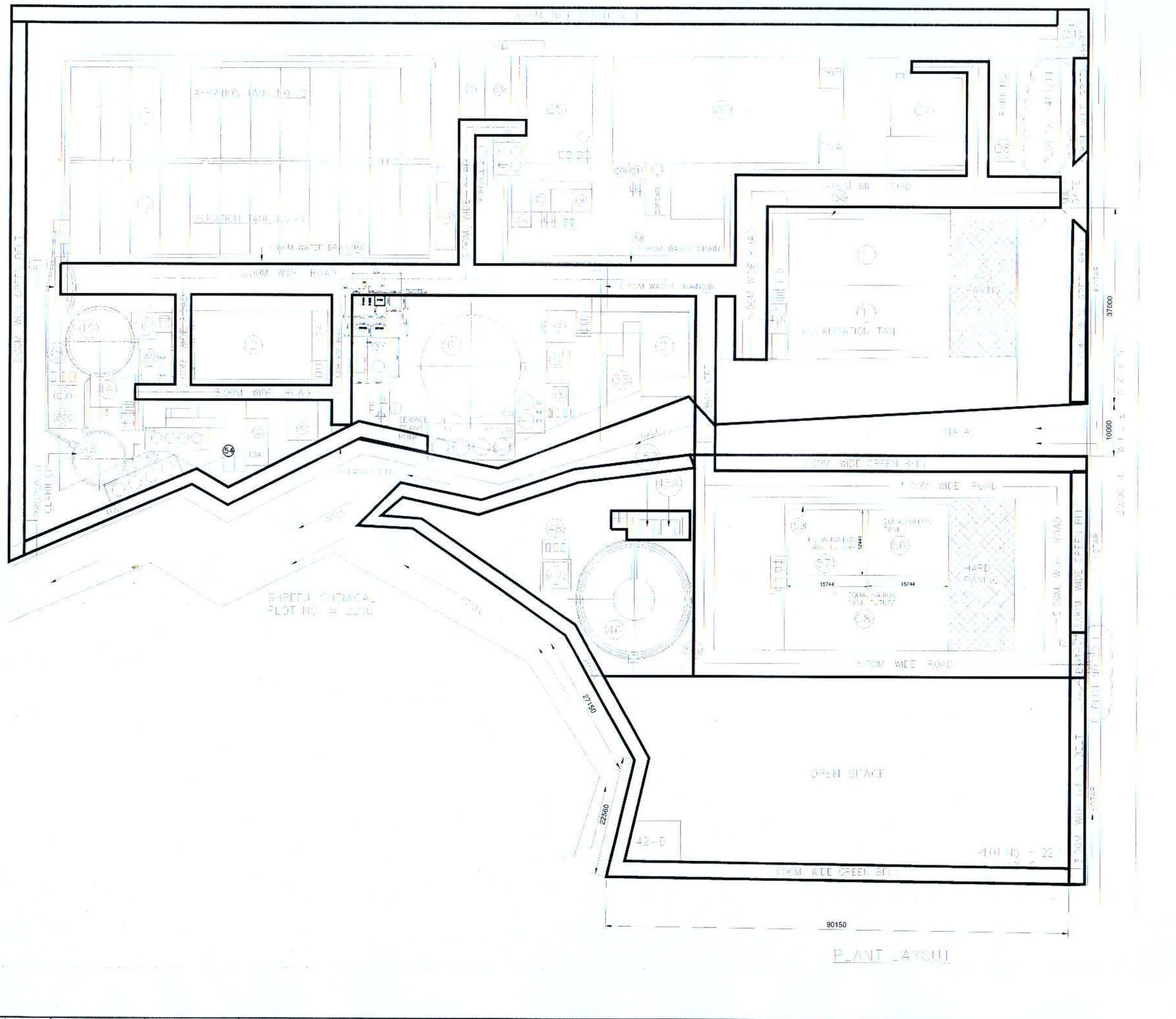
For Enviro Technology Limited.

Authorized Signatory

From : D K Makwana 12/6/24
DESPATCH ASSTT.
D.G.V.C.L. IND. DN.
ANKLESHWAR.

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569, 252768, 250707
Email : dalwadibd@beil.co.in, darjiam@beil.co.in
Reg. Office : 9701-16, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ANNEXURE-1 (D)



PLANT LAYOUT

ANNEXURE -1(E)

ON SITE EMERGENCY PLAN

Of

M/s. Enviro Technology Limited

2413, 2414 & 2211 G.I.D.C.

Ankleshwar – 393 002

5TH FEB 2024
21 th EDITION

F O R E W O R D

The "On Site Emergency Management Plan" is prepared with the objective of defining the functions and responsibilities of all concerned managerial, operational and supporting services department personnel with respect to detection and effective implementation of action plan.

The ultimate goal is the effective containment of the situation by proper mitigation action at the place of occurrence, cautioning people in adjoining affected localities, prompt rescue and medical aid to affected persons and communications to civil authorities for rushing in help from outside.

All concerned are hereby requested to carefully study and thoroughly familiarize themselves with in, in order to ensure its effectiveness in times of emergency.

Date : 5th FEB-2024

Unit Head

ABOUT THE COMPANY

Ankleshwar Industrial Estate is one of the largest chemical industrial zones of Asia. It is located in the prosperous South Gujarat Industrial Belt. The city is in between Surat and Baroda on the side of National Highway No.8. It is supported by a stable infrastructure and has shown excellent growth in the last few years. More than 1000 small, medium and large scale industries are manufacturing chemicals, pharmaceuticals, pesticides, dyes, pigments, textiles etc., have come up in the estate.

Along with industrialization, environmental problems also cropped up. Most of the large and medium scale industries are having their own effluent water treatment facilities. Whereas most of the small scale industries are unable to provide effluent treatment facilities of their own due to lack of space, capital, expertise and other operation problems. Also treatment by individual small scale units were found to be not viable taking into consideration of manufacturing technologies being employed.

Ankleshwar Industries Association (AIA) along with other social / professional organizations like Ankleshwar Environmental Preservation Society (AEPS), Rotary Pollution Control Cell (RPCC) etc, was trying to find out a solution for the problem. After detailed studies and discussion at various forums, it was decided to go ahead with a "Common Effluent Treatment Plant" for small scale / medium / large scale industries. Taking into consideration the success and failure of different CETPs in India and abroad, a Company "ENVIRO TECHNOLOGY LIMITED (ETL)" was promoted.

ENVIRO TECHNOLOGY LTD

The Company is promoted by Ankleshwar Industries Association through some of the major industries in the estate. Tatva Global (A group of United Phosphorous Limited) is the main promoter holding 75% of the equity.

This Company is a professionally managed one, which is operating on commercial basis.

The Board of Directors of the company are very experienced and committed. They are:

LIST OF BOARD OF DIRECTORS

Sr. no.	Name of Director	DIN	Designation
1	RAJNIKANT DEVIDAS SHROFF	180810	DIRECTOR
2	SANDRA RAJNIKANT SHROFF	189012	DIRECTOR
3	ARUN CHANDRASEN ASHAR	192088	DIRECTOR
4	ASHOK AMARLAL PANJWANI	200220	DIRECTOR
5	PRABODHKUMAR BHAILALBHAI PATEL	2790654	DIRECTOR
6	RASHMIKANT NATWARLAL SHUKLA	6468013	DIRECTOR
7	VIMALKUMAR GOPALDAS GANDHI	7950427	INDEPENDENT DIRECTOR
8	SACHIN PRAKASHBHAI PARIKH	7957074	INDEPENDENT DIRECTOR
9	VIPULBHAI VALLABHBHAI GAJERA	30338	DIRECTOR
10	JIGAR BHARATBHAI DAVE	8863860	NOMINEE DIRECTOR
11	JASUBHAI CHAUDHARY	7723599	ADDITIONAL DIRECTOR

UNIQUE FEATURES OF THE COMPANY

1. The Company is a commercial venture, professionally managed.
2. Back – up of major industries – Tatva Global (A group of United Phosphorous Limited) is the main promoter holding 75% of the equity.
3. Membership for small scale industries / medium scale / large scale.
4. Total solution for the effluent problem of members. Acidic, Alkaline, Neutral & High Ammonical nitrogen effluents are received by the Company. Primary, Secondary, tertiary & MAP treatment Facilities are provided.

COMMON EFFLUENT TREATMENT PLANT

1. Design Details

a.	Capacity	:	2200 m3 / day
b.	Total No. of industries giving effluent	:	250 Nos.
c.	Treatment Scheme	:	Primary, Secondary, Tertiary & MAP Treatment
d.	Effluent characteristics	:	Major parameters

Parameters	**Unit**	**Raw Effluent**	**Treated Effluent**
PH		6.5-8.5	6.5 – 8.50
COD	mg / l	5000	< 1000
BOD	mg / l	1500	< 200
SS	mg / l	500	< 150
NH4-N	mg / l	300	< 50

e.	Transportation of Raw Effluent	:	Through rubber lined tankers
f.	Total plot area	:	18725 sq. meters & 7819 sq. meters
g.	Monitoring Facility	:	Full – fledged Laboratory
h.	Auxiliary power supply	:	1010 KVA DG Set

BRIEF PROCESS DESCRIPTION

The Small Scale Industries who are members of the CETP will store their raw effluent in storage tanks. These effluents will be transported by rubber lined tankers from the industries to the CETP by ETL. On receipt at CETP, samples will be checked and then it will be unloaded in Equalization Tanks. Equalization Tanks - 2 Nos. are provided, each with 1000 M^3 capacity and diffused aeration system to provide mixing. Other two nos. of equalization tanks are also provided for collection of having High Ammonical nitrogen effluent, each tank capacity is 580 M^3. They are operated on fill and draw basis.

(The Equalization effluent is being received in neutral from (pH 6.5-8.5)) Online Fenton treatment is introduced as pre-treatment as per the studies conducted by various institutes like IITs, Kanpur/Mumbai & CLRI, and Chennai. Then pH is raised to 8.5 to 9.5 to precipitate heavy metals present in the effluent. In primary clarifier, where solids are settled at the bottom of the clarifier. The equalized high Ammonical nitrogen stream is being treated in MAP reactor. After MAP treatment effluent goes to primary clarifier. After PSF effluent goes to the secondary treatment. The sludge from the bottom of the primary clarifier is sent to the Decanter for the removal of moisture. The sludge cake from the Decanter is sent to the secured landfill site (BEIL).

Since it is difficult to treat more effluent with the same technology of Extended Aeration Activated Sludge process which require large foot print, a two-stage process with advance biological treatment (ASP + MLE) is implemented based on extensive pilot plant study. In this process, the aeration system is operated in series whereas in the earlier system it was operated in parallel. In this two stage process, the COD and BOD will be removed in the first stage while in the second stage, some refractory COD and ammonia will be removed.

In the existing two stages process, major portion of COD and BOD (organic carbon) will be removed in the first stage high rate activated sludge process along with some amount of ammonical nitrogen. Specific consortia of bacteria developed in the micro biology laboratory of ETL will be used for bio-augmentation in this reactor to enhance the process of removal. In the second stage MLE process consisting of a combination of Anoxic and Aerobic reactors, some refractory COD and remaining ammonia nitrogen will be treated. Specific bacterial consortia for refractory COD removal and ammonia nitrogen removal will be used for bio-augmentation in the 2nd stage. Since in the MLE process, nitrogen is removed by a combination of nitrification and denitrification, total nitrogen load in the effluent will go down significantly as the nitrate (product of

nitrification) will be converted to gaseous nitrogen and recycled back to the atmosphere.

Continuous addition of culture is being done as Bio-augmentation. The air is being added using tubular diffusers. In the biological treatment, the dissolved organic matter is degraded by the microorganisms. The retention time of the ASP+MLE is around 5 days. Domestic sewage is added at the Inlet of ASP tank. MLSS is being controlled by proper recycle of biomass and daily wasting of biomass. The primary treated effluent goes to ASP tank and then transferred to the Secondary Clarifier-1 for the settlement of the biological solids. The overflow of the secondary Clarifier-1 transferred to MLE tank (Anoxic + Aerobic) for further process and overflow of the MLE tank collected in Secondary clarifier -2 (A+B) for the settlement of the biological solids.

The overflow of the Secondary clarifier -2 (A+B) is collected in a sump for further tertiary treatment.

The effluent collected in the sump is subjected to the tertiary treatment. There are two types of the tertiary treatment provided.

Pressure sand Filters with latest distribution and collection system. Aerated activated carbon filters.

After tertiary treatment effluent is discharged to G.I.D.C drainage line through online magnetic flow meter, pH meter for further treatment at NCT and then disposal to deep sea discharge.

BOD Reduction:

ETL is having Sophisticated Microbiology Laboratory and detailed Treatability Studies are conducted. Special bacterial cultures have been developed by the laboratory of ETL. Some of the cultures are procured from IMTECH and National Chemical Laboratory (Pune). Daily specific doses of acclimatized bacterial culture are dosed to aeration tanks for maintaining required consortium regularly in the biological reactor. With this bio augmentation, BOD reduction is consistently above 95 % and resultant BOD in outlet is as low as 20 mg/l. However, COD reduction is only up to 500 to 800 mg / l due to refractory COD present.

MAP Process:

Removal of Ammonical Nitrogen is difficult problem and detailed studies have been conducted by IITs; to finalize the treatment scheme. Subsequently, treatment scheme is developed with segregated stream with Magnesium Oxide at an initial phase but after conducting detailed research study now magnesium Oxide switched over to Magnesium chloride and Di Sodium Hydrogen Phosphate

to precipitate Magnesium Ammonium Phosphate. MAP is insoluble compound and can be separated. ETL has developed capacity to segregate and treat up to 600 KLD of such high Ammonical Nitrogen containing stream. Treatment operations have been started from February 2011. After segregation, Treatment at ETL and other control measures by member industries, now average Ammonical Nitrogen is reduced up to permissible limit.

OTHER INFRASTRUCTURAL FACILITIES PROVIDED

A full – fledged laboratory is provided to monitor and control the operation of CETP. Acidity, COD, BOD, Ammonical Nitrogen, SS, TDS. Heavy Metals, Oil & Grease, Cyanide, Phenol etc and other parameters are analyzed in the laboratory on a regular basis. Treatability studies are also conducted in the laboratory.

Auxiliary power supply is available for full operation of plant in case of power failure 1010 KVA D. G. Set is installed. In the adjacent plot to CETP, Solid Waste Storage Facility is developed with impervious liners and leachate collection and transfer arrangement.
Road has been developed properly and parking space is provided for tankers and other vehicles. 10 meters width green belt is being developed at the entire periphery of the plot. Chemical House and Stores are provided to keep lime, chemicals and miscellaneous spares.
Administrative Office with computer facility will help day – to – day management.

OPERATION

The CETP is operated under the control of ETL. All required operating personnel are appointed. Additional support required is provided by M/s. UPL Ltd. & Bharuch Enviro Infrastructure Ltd.

The operation charges are recovered from member industries based on effluent characteristics – Acidity, COD & Ammonical Nitrogen.

CETP STATUS

The Project Report was approved by GPCB, NEERI and The World Bank. Construction work was started in January 1996 and completed in November 1996.

Secondary Treatment was commissioned in December 1996. The required bacterial mass was developed within one month's time. The Primary Treatment was commissioned in February 1997. Tertiary Treatment System is also taken into line fully by 3rd week of April 1997. The plant capacity was increased from 1.0 MLD to 1.8 MLD in the year 2007. It was further increase from 1.8 MLD to 2.2 MLD in 2019 by modification of process.

INDEX

C H A P T E R – 1

I N T R O D U C T I O N

Emergency Planning is an integral part of the overall loss control program me and is essential for any well run organization. This is important for effective management of an accident / incident to minimize losses to people and property, both in and around the facility. The important aspect in emergency management is to prevent by technical and organization measures, the unintentional escape of hazardous materials out of the facility and minimize accidents and losses. Not only are recognized hazardous conditions which could aggravate an emergency situation be discovered, the emergency response. Emergency planning also demonstrates the organization's commitment to the safety of employees and increases the organization's safety awareness.

The plan can work smoothly and effectively only if the instructions are correctly and promptly followed and action taken at various levels is well co-ordinate.

OBJECTIVES

The objectives of emergency response plan are :

1. Rapid identification, control and containment of the hazardous situation
2. Minimizing the risk and impact of event / account
3. Effective rehabilitation of the affected persons and prevention of damage to property.

To achieve the above stated objectives of emergency planning, the critically elements that form the backbone of the ERP are:

1. Reliable and early detection of an emergency and careful planning.
2. The command, co-ordination and response organization structure along with efficient trained personnel.
3. The availability of resources for handling emergencies
4. Appropriate emergency response actions
5. Effective notification and communication facilities
6. Regular review and updating of the ERP
7. Proper training of the concerned personnel

CHAPTER – 2

SCOPE AND APPLICABILITY

The On Site Emergency Plan describes the organizational structure, facilities, equipment, services, infrastructure etc., necessary to respond to emergency situation which could have On Site and Off Site Implications at the Facility. The Plan also applies to those participating governmental agencies that are responsible for emergency response within the immediate area surrounding the facility and to those agencies, organization, contractors and facilities providing assistance to the facility during an emergency.

Facility Description

Address - Enviro technology Limited
2413 / 14, 2211 G.I.D.C., Ankleshwar – 393 002
Gujarat

Total Area - 18724 sq meters & 7819 sq. meters

Telephone nos - (02646) 299121, 299108

Major Substances handled

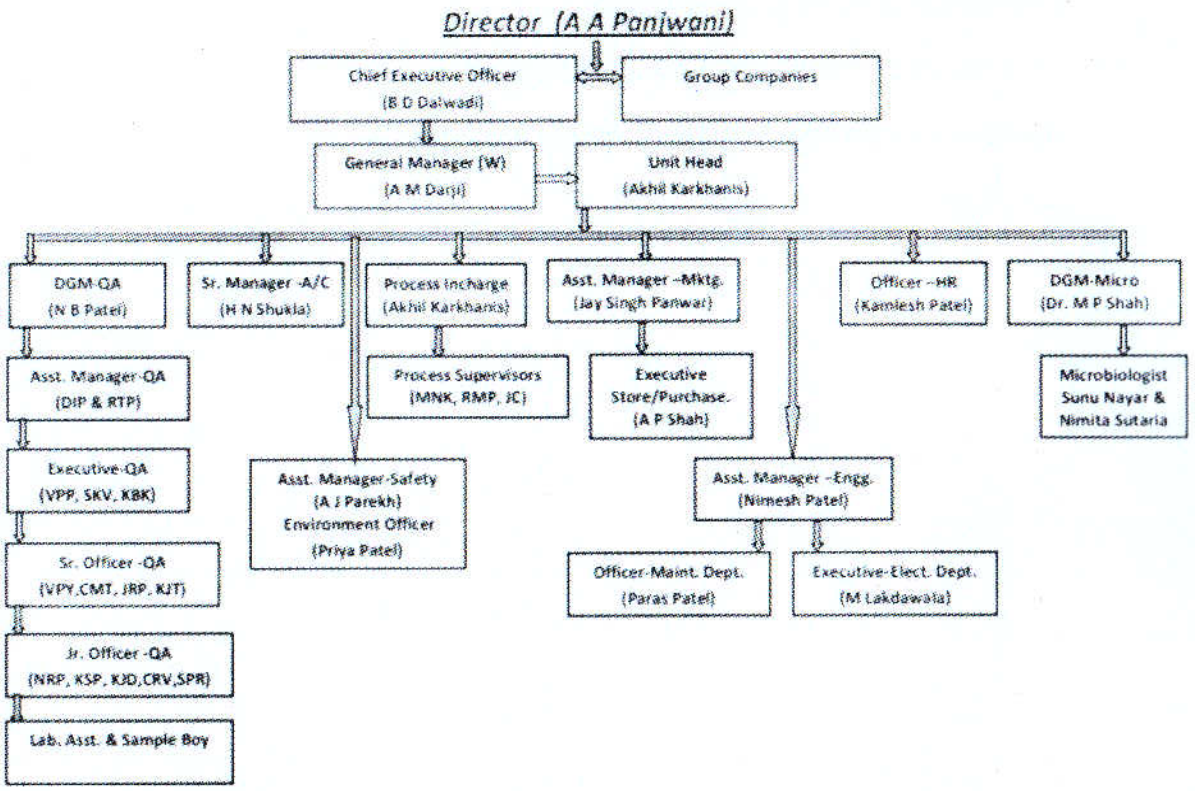
Sr. No	Chemical	Quantity Stored	MOC Tank	Storage Condition
1	HCl tank (30%) Hydrochloric Acid	15 m^3	PP FRP	NTP
2	Dilute HCl (10%)	10 m^3 x 2 nos.	PP FRP	NTP
3	Hydrogen Peroxide H2O2	10 m^3 x 2 nos.	PP	NTP
4	Polyelectrolyte Tank	10 m^3 x 2 nos.	PP FRP	NTP
5	Lime (in HDPE bags)	Chemical House	--	--
6	Raw Waste water Eq.- Tanks	32 x12.5 x2.5 mtrs	Acid Proof Lined	NTP
7	Raw Waste Water Eq.- Tanks for Ammo.N2	15.80 x 12.25 x 3 + 0.5 FB	Acid Proof Lined	NTP
7	Underground Water Tank	650 m3	RCC	--
8	Ferrous Sulphate Tanks	20 m3 x 2 nos.	HDPE	NTP
9	Polyelectrolyte Tank (Decanter)	20 m3 x 2 nos	HDPE	NTP
10	Tank- I & II for MAP	1.6 (dia) x 1.5 + 0.33 m	PP FRP	NTP
10	Flash Mixing Tank	2.2 x 2.2 x 2.5 Ht.	PP FRP	NTP
11	MAP crystal Tank	3.8 X 3.8 x 5.0	PP FRP	NTP
12	Primary Sand Filter	2.5(Dia.) x 3.0 Ht.	MS	NTP

Shift – wise manpower distribution.

Category	G	I	II	III	Total
Shift Timing (in hrs)	0900 to 1730 hrs	0700 to 1500 hrs	1500 to 2300 hrs	2300 to 0700 hrs	
Managerial	4	-	-	-	4
Staff	14	3	3	3	23
Contract Labor	08	17	17	17	59
Total	26	20	20	20	86

Enviro Technology Ltd.

ORGANOGRAM



Defining an Emergency

An emergency can be defined as an "Occurrence of such magnitude so as to create a situation in which normal pattern of life within a facility is suddenly disrupted, adversely affecting not only the personnel and property within the facility, but also in its vicinity."

Such an occurrence may result in On Site Implication like:

1. Fire and / or explosion
2. Leakage of toxic / corrosive chemicals
3. Electrical shocks and flash fires.

Incidents having Off Site origins can be:

1. Natural calamity like earthquake, cyclone etc
2. Air raids / marine attack
3. Crashing of aircraft's or flying objects

Other incidents which can also result in a disaster are :

1. Agitation / forced entry by external group of people
2. Sabotage

CHAPTER – 3

CONCEPT OF OPERATIONS

Concept of operations deals with the possible steps associated with an emergency response assuming the most severe emergency scenario. This includes:

1. Accident initiation and rising of alarm
2. Accident evaluation and emergency declaration
3. Off Site and external agency/ neighbor Industry notification / Situation
4. Implementation of On Site response actions
5. Implementation of protective action and evacuations
6. Co – ordination of response actions with external agencies
7. Management of emergency resources
8. Recovery and facilitate re-entry procedures

First Action Plan

To identify an emergency at any location in the factory premises and to acknowledge the same to everybody present in the premises at that time, is known as FIRST ACTION PLAN.

1. A first person who observes an emergency viz. fire, short circuit, heavy leak or spill of / corrosive liquids. After observing the emergency, he will assess the same, the situation as to whether to alert everybody within the plant or in vicinity area. If the first observer is not able to assess the emergency, he will inform plant supervisor about the emergency.

2. After assessment, he will inform Security personnel at main gate by dialing internal telephone no. 112 & 113 or by approaching personally.

3. The security personnel at the main gate will receive the message and initiate the emergency siren (Bell). On hearing the siren (Bell), all employees within the premises will hear carefully to details of emergency.

4. The security personnel will announce the emergency on the public address system about (a) type of emergency (b) exact location of emergency (c) Severity of emergency if information available.

5. On hearing about location and type of emergency, all concern key personnel will stop their activity in a safe manner and move to their respective locations based on the duties described in the plan.

Siren (Bell) Codes

1. Declaration of Emergency: - A long short wailing siren (Bell) for one minute, will mean that these is an emergency within the premises.

2. All Clear Siren (Bell):- A long siren (Bell) for one minute will mean that the emergency declared is under control, i.e. all clear.

   This siren (Bell) code will mean All Clear, normal condition. Hence this code will be used to test the siren (Bell) every week.

3. Evacuation: - A long short wailing siren (Bell) for 3 (three) minutes, will mean that emergency declared cannot be controlled. Hence all persons in the premises will evacuate as per the plan.

Communications

For controlling an emergency, communication system plays a vital role.

(1) Within the premises

   1. Intercom
   2. Messengers

(2) Outside agencies – Fire Service. Medical neighboring companies. Police. GPCB. Factory Inspector

   1. Telephone
   2. Mail

List of Telephone Nos of Key Persons

Sr. No.	Name / Location	Office Intercom	Office (P&T)	Mobile No.
1	Mr. Akhil karkhanis– Unit Head	103	252768	9825403247
2	Mr. Nimesh patel– Plant Head	131		8140649338
3	Dr.M P Shah –Micro Lab	110		9099965504
4	Mr. Jaysingh panwar – Mktg.	105		6359968968
5	Mr.Kamlesh Patel P & A	115		7874711817
6	Heena Shukla - Accourt	104		9909994990
7	Mr. Mohamad lakdawala -DG. Room	116		7984874962
8	Mr.A J Parekh Plant-Office	131		9909994921
9	Mr.N B Patel –Q.A	102/109		9909994980
10	Mr. Ashish Shah -Stores	108		9909994979
11	Security	112 &	253104	9909994998

		113		
12	Canteen	117		

List of External Agency Phone Nos.

Sr. No.	Agency	Contact No.	Purpose
1	FCT EPABX (ETL)	9909994998	
2	MR. Ashok Panjwani	9909994902	
3	MR. B.D. Dalwadi	9909994959	
4	DR. P.N. Parmeshwaran	9909994203	
5	MR. A.M. Darji	9825403247	
6	MR. N.B. Patel	9909994980	
7	MR. Jaysingh Panwar	6359968968	
8	MR. Ajay Parekh	9909994921	
9	MR. Ashish Gurjar	9913064336	
10	UPL Unit – 1	02646- 251249 / 251223	Fire Brigade
11	UPL Unit – 2	02646- 250563 / 250578	Fire Brigade
12	UPL Unit – 3	02646- 251189 / 250615	Fire Brigade
13	UPL Unit – 5	02646- 226011 / 226018	Fire Brigade
14	BEIL-Ankleshwar	02646- 253135 / 225228	Ambulance
15	Ankleshwar Industries Association	02646- 221000 / 222000	
16	Fire Station- Ankleshwar Nagrpalika	02646- 245101 / 247201	Fire Brigade
17	Fire station (GIDC-Ankleshwar)	02646- 224100 / 226101	Fire Brigade
18	DPMC Bharuch	02642- 241101	Fire Brigade
19	Police Station (GIDC)	02646- 225551	
20	GPCB Bharuch	02646- 228969 / 246333	
21	GPCB Ankleshwar	02646- 222933	
22	GPCB Head Office, Gandhinagar	079-23232152	
23	Narmada Clean Tech- NCT	02646- 645285 / 645635	
24	Factory Inspector, Bharuch	02642-240421 / 263272	
25	District Collector, Bharuch	02642-240600	
26	Labour Commissioner-Bharuch	02642- 242214 / 269073	
27	DGVCL- Ankleshwar	02646- 220451 / 220551	
28	DGVCL- Bharuch	02642- 255590	
29	Railway Station- Ankleshwar	02646- 255131	
30	Smt. Jayaben Modi Hospital Ambulance	02646- 222220 / 224550 02646- 250871 / 250659	Medical Aid
31	Dr. Mahesh Mistry	9825282789	Medical Aid
32	Dr. Pratik Patel – Orange Hospital Dr. Jigar Zariwala – Orange Hospital	02646- 232432 9016203390	Medical Aid

CHAPTER – 4

DUTIES OF KEY PERSONNEL

Observer

Any person noticing a fire, leakage of chemicals or an unusual occurrence will contact the security personnel at main gate and Plant Supervisor by :

1. Giving a telephone message by dialing telephone no. 112 /113 on the intercom
2. Sending message through a messenger
3. Rush personally

While giving the message, he will:

1. Identify him self
2. State briefly type of emergency
3. Location of incident / accident
4. Severity of emergency

After giving message, he will return to the scene / area of emergency by taking all personnel protection measures, if possible and awaits instructions from Plant Supervisor (Incident Controller)

Security Officer / Security Supervisor

1. Receive message from the observer
2. Initiate the emergency siren to declare the emergency
3. Announce on the Public Address System
4. Arrange to close all the gates and stop traffic
5. Keep vehicle / ambulance ready and keep track of casualty sent to hospital during off hours
6. Ensure that unauthorized persons / vehicles do not enter the premises
7. Organize the positioning and transport of vehicles near the main gate
8. Depute security guard for controlling traffic at the scene of emergency
9. Call up for additional help from the outside agency like fire brigade, hospitals during off hours

Chief Controller

He will be CEO / Unit Heads or in his absence HOD (Plant)/HOD (Maintenance) / HOD (QA) will assume charged of Chief Controller.

If an emergency occurs during off hours i.e. before 0900 hrs or after 1730 hrs, the plant supervisor will be the Chief Controller till any one of the above designated Manager arrives at site and assumes overall charge of the situation. His task will be to co-ordinate all internal and external activities from the Emergency Control Centre at main Security Gate from where all operations will be directed. He shall:

1. Relieve the Incident Controller from responsible of the Main Controller
2. Co-ordinates to avail services from external agencies like fire brigade, hospitals etc, if called for, following the declaration of major emergency. If necessary, major installation in the vicinity may also be informed of the situation.
3. Exercise direct operational control of the unaffected section of the plant
4. In consultation with the advisory team, expedite the shutting down of loading / unloading operations of tankers and if necessary, instruct the supervisor / security personnel to evacuate tankers.
5. Ensure that all employees are evacuated from the affected area and the casualties, if any, are given necessary medical attention. Instruct Executive P & A / Security for rushing casualties to hospitals if required.
6. Liaise with fire and police officials, pollution control board officials and other statutory bodies and advise them of all possible consequence effects outside the premises.
7. Arrange for relief of personnel when emergency is prolonged
8. Issue authorized statement or press release to the news – media
9. Ensure preservation of evidence for enquiries to be conducted by statutory authorities.
10. Authorize the sounding of "All Clear" and "Evacuation Siren"
11. Arrange for obtaining the head – count of all personnel within the premises and cross – checking with the data from records available for no. of persons within the premises.
12. Nominate a person from advisory team, to maintain chronological log of event during the entire period of emergency.

Incident Controller

He is shift supervisor of the Plant. Assume the role of the Incident controller and take charge of the situation. Keep the chief Controller informed of the situation from time to time.

1. Proceed to the scene of emergency and assess the situation
2. Direct all operation within the affected area with the following priorities
   a) Safety of personnel
   b) Minimize damage to property and loss of material
   c) Arrange for rescue of trapped workers and those in a state of shock
   d) Get all non – essential persons safely evacuated after stopping all the engineering / hot jobs
   e) Set up a communication system with the main control centre at the main security gate through telephone of messenger system.
   f) Pending arrival of the main controller, direct the shutting down and evacuation of the site
   g) Allot jobs to the emergency squad
   h) Report all developments to the main controller
   i) Preserve all evidence for use in the subsequent enquiry
   j) Intimate to the Emergency Control Centre (Main Security Gate) the head count of plant.

Advisory Team

1.	HOD	-	Plant
2.	HOD	-	Maintenance
3.	HOD	-	QA
4.	HOD	-	Marketing
5.	HOD	-	P & A
6.	HOD	-	Accounts
7.	Asst. Manager	-	Electrical
8.	Sr. Executive	-	QA
9.	Sr. Executive	-	Plant
10.	Officer	-	Commercial (Store)

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10. Authorize the sounding of "All Clear" and "Evacuation Siren"
11. Arrange for obtaining the head – count of all personnel within the premises and cross – checking with the data from records available for no. of persons within the premises.
12. Nominate a person from advisory team, to maintain chronological log of event during the entire period of emergency.

Duties

1. All Advisory Team Members should assemble at Emergency Control Centre located at Main Security gate Office.
2. They will provide essential information to the Main controller on his demand
3. If the Main Controller does not require any advice from the team, he can delegate any other jobs which may be more important at the time of emergency

HOD – P & A

a) Will conduct the head count of non – affected persons assembled at the assembly point which includes non – required plant personnel, QA chemists, visitors, Stores and accounts Canteen employees and other staff.

b) He will tally the head count with the data available from records such as gate pass, attendance etc and report to Chief Controller

c) He will liaise with necessary statutory authorities as per instruction of Chief Controller

d) He will arrange for transportation and medical treatment at hospitals and keep track record of casualties

Emergency Squad

Plant Supervisor (Incident Controller)	-	1 no.
Laboratory Chemist	-	2 nos.
Shift Electrician (Contract Employee)	-	1 no.
Shift Fitter (Contract Employee)	-	1 no.
Contractors' Helpers (who are working in plant)	-	6 nos
		---
		11 nos.

1. After hearing the emergency siren and the information about the emergency on the Public Address System, they will assemble in front of Supervisor's cabin with proper Personal Protective Equipment, i.e. underneath the primary clarifier, before this they will give charge of their jobs as per their standard operating procedure / close down the job safely.

2. After assembling, they will act as per the instructions of the incident Controller i.e. the Plant Shift In charge / Supervisor.

3. After handling the emergency, they will be engaged in salvage and operations if required, otherwise in normal case, they will go back to the plant and resume the work.

4. During off hours, Plant Supervisor who is an Incident Controller becomes the Main Controller, in that case the Laboratory Chemist, takes charge as Incident controller.

Plant Employees

They shall:

1. on hearing the siren, report to Plant Supervisor

2, do as directed by Plant Supervisor

3. Stop all hot works

4. Remove unwanted persons from the affected area to the "Assembly Point" near Main Security Gate viz. Visitors, Guests.

5. Stop all non – essential operations

Non – Plant Employees

1. On hearing the siren, shall stop their work and assemble at "Assembly Point" near Main Security Gate along with Guests and Visitors.

CHAPTER – 5

E M E R G E N C Y P R O C E D U R E S

Emergency Handling Procedure

1. On hearing emergency declaration siren and announcement of Public Address System, all key persons will rush to their nominated locations and start actions as laid down in Chapter - 4

2. The Main Controller will continuously assess the situation by taking feedback from the incident Controller. He will consult the advisory team members to get essential information if required but if does not required to take help from advisory team; he can assign other jobs to advisory team.

3. Once the emergency is brought under control, Main Controller will inform to Security to give "ALL CLEAR" siren and announce on Public Address System about termination of emergency.

In case, the emergency assumes off site dimensions and cannot be controlled, then if the Chief Controller with his advisory team decides to evacuate the plant, he will instruct the Security to sound "EVACUATION SIREN".

Procedure in case Emergency tends to have off site implications

1. As per the site plan and wind direction at the time of emergency, the likely affected area will be identified and population within will be estimated.
2. The Police will be informed so that in-coming traffic on highway can be controlled from both the ends. The Police force will be helpful in evacuation of villages, factories or other public places in the vicinity.
3. The fire brigade will be informed and ambulance will be called and kept ready to meet any eventuality.
4. Neighboring factories will be communicated for sending help
5. Statutory authorities such as Police, Factory Inspector, District Collector and other concerned to be intimated.

Procedure for salvage operations

The salvage operation will be carried out under the guidance of the Main Controller, his advisory team and Incident Controller.

They will conduct accident investigation, assess the damages / losses. Also they will chalk – out a detail procedure of salvage operations which will include the safety precautions and a time frame for completion of job to be carried out by emergency squad under the strict supervision of Main & Incident Controllers.

CHAPTER – 6

EMERGENCY CAPABILITIES

The primary emergency response facilities comprise the following :

01 Emergency Control Centre

Upon declaration of emergency, the Main Security Gate Office will become the Emergency Control Centre (ECC). The ECC is located in a low / minimal risk zone of the plant. It is manned round – the – clock by Security Supervisors.

During emergency, it will be manned by the Chief Controller and his advisory team.

The ECC has a D. G. backup power supply. It has following facilities:

1. Master plan of Facility and 5 kms surrounding area – displayed on wall
2. Layout of facility, equipment and storages, displayed on table and wall
3. Availability and location of firefighting equipment and material
4. Layout of fire extinguishers, indicating their type and numbers
5. First aid box
6. Availability and location of Personal Protective Equipment
7. Self – contained Breathing Apparatus sets and the spare cylinders
8. External telephone with direct dialing and STD facilities
9. Internal telephone
10. List of important internal and external telephone numbers displayed on table and wall
11. Stretches
12. Transport Facility
13. Extra copies of Plant Layout for marking during emergency
14. Telephone directory both local and surrounding district
15. General stationary like paper, pencil etc
16. Nominal roll and address of all employees with contract telephone nos. and blood Group.
17. List of first aiders and emergency squad members

18. Details of all contractors and their employees

19. Details of meteorological information during different seasons such as wind speed, direction, temperature, humidity etc.

The location of ECC, Assembly Points, availability of first aid boxes, fire extinguishers, PPE should be marked on site plan

List of Fire Extinguishers

Sr. No.	Location	Type	Capacity
1	Lab QC	DCP	10 Kgs
2	Office Administration Building	DCP	10 Kgs
3	DG Room	DCP	10 Kgs
4	MCC-1 (Electrical)	DCP	10 Kgs
5	Transformers Area	CO2	22.5 Kgs
6	Maintenance Store Room	DCP	10 Kgs
7	MCC -2 (Electrical)	DCP	10 Kgs
8	Security Gate	DCP	10 Kgs.
9	Carbon bed Area	DCP	10 Kgs.
10	Decanter	DCP	10 Kgs.
11	Pilot plan R & D Plant	CO2	4.5 Kgs.
12	MCC- 3 (Electrical) New primary	CO2	4.5Kgs.
13	MCC– 2(Electrical)	CO2	4.5 Kgs.
14	MCC-1 Elect.	CO2	9Kgs.
15	MAP crystal Tank(Old RVDF shed)	DCP	10 Kgs.
16	Sewage Pumping station	DCP	10Kgs.
17	Nr Control room	DCP	06 Kgs
18	Nr. Store	DCP	06 Kgs
19	Switchyard	CO2	09 Kgs
20	VCB ROOM	CO2	09Kgs
21	PMCC ROOM	CO2	09KG
22	TRANSFORMER -H.T. YARD	CO2	22.5KG
23	NEW VFD ROOM F/F	CO2	4.5KG
24	Decanter -A & B Panel	CO2 flooding system	2.0 kgs(2 nos.)
25	PDB panel (MCC-1)	CO2 flooding system	2.0 kgs (1 no.)
26	MCC-6	CO2 flooding system	6.5 kgs (1 no.)

DCP = Dry Chemical Powder, type of Fire Extinguishers

Maintaining Emergency Response Capabilities

In order to ensure a prompt and professional emergency response capability, facility personnel are required to be knowledgeable of the possibility of various emergencies and emergency actions.

Training and Education

Regular training should be provided to all personnel who have a role in planning and operational response to an emergency so as :

1. To familiarize them with the contents and manner of implementation of ERO and its procedures.
2. To maintain a high degree of preparedness at all levels of the emergency response organization
3. To train new employees
4. Update and modify the plan on the basis of experience acquired through exercise and drills.

The plant needs to be reviewed year, for validity of contents and lacunas in the plan noticed during mock drills.

Planning of Mock Drill

TYPE OF EMERGENCY:

Fire / Leakage of Chemicals /Electrical Shock :

(1) Objectives of Mock Drill :

(2) Accident initiation: Applicable or Not Applicable

(3) Raising of alarm, siren or bell : Yes / No

(4) Onsite communication: Yes / No

(5) Offsite communication: Yes / No

(6) Implementation of response / mitigation action : Yes / No

(7) Whether evacuation, protective action required : Yes / No

(8) Coordination with external agency required: Yes / No

(9) Evaluation of Mock Drill and report submission

Report sign by EHS Coordinator

SELF BREATHING APPRATUS

Sr. No.	Location	Type	Capacity
1	Plant control room	SBA	45 Min.

SAFETY SHOWERS

Sr. No.	Location
1	Laboratory
2	Under (Old) RVDF staircase
3	Chlorine Shed
4	Near Equalization tank-4

FIRST AID BOX

Sr. No.	Location
1	Laboratory
2	Security office
3	D G Room

List of first aiders

(1) Mr.A.J.PAREKH
(2) Mr.NIMESH PATEL
(3) Mr.ASHISH SHAH
(4) Mr. D I PATEL
(5) Mr. RAHUL PATEL
(6) Mr. KAMLESH PATEL
(7) Ms. NIMITA SUTARIYA

(8) Mr. DEVYANG PATEL
(9) Mr. JANAK PATEL
(10) Mr. PARAS PATEL
(11) Mr. MAHIPAL KOSADA
(12) Mr. VINOD PARMAR

ANNEXURE-I(F)

ENVIRO TECHNOLOGY LIMITED

LIST OF DIRECTORS' OF ENVIRO TECHNOLOGY LIMITED

SR. NO.	NAME OF DIRECTOR	DIN	ADDRESS	DESIGNATION	DATE OF APPOINTMENT
1	RAJNIKANT DEVIDAS SHROFF	00180810	UPL LTD, "UNIPHOS HOUSE", MADHU PARK, 11TH ROAD, KHAR (WEST), MUMBAI, MAHARASTHRA.	DIRECTOR	07/12/1994
2	SANDRA RAJNIKANT SHROFF	00189012	UPL LTD, "UNIPHOS HOUSE", MADHU PARK, 11TH ROAD, KHAR (WEST), MUMBAI, MAHARASTHRA.	DIRECTOR	07/12/1994
3	ARUN CHANDRASEN ASHAR	00192088	UPL LTD, "UNIPHOS HOUSE", MADHU PARK, 11TH ROAD, KHAR (WEST), MUMBAI, MAHARASTHRA.	DIRECTOR	23/03/2004
4	ASHOK AMARLAL PANJWANI	00200220	BEIL INFRASTRUCTURE LTD. PLOT NO.9701-9716, GIDC, ANKLESHWAR - 393 002, GUJARAT.	DIRECTOR	06/05/1996
5	PRABODHKUMAR BHAILALBHAI PATEL	02790654	PLOT NO. 72, JAY BUNGLOW, NR MANAV MANDIR GIDC ANKLESHWAR 393002, GUJARAT.	DIRECTOR	13/05/2015
6	RASHMIKANT NATWARLAL SHUKLA	06468013	PLOT NO 1329/1, SECTOR NO - 7/D, GANDHINAGAR GANDHINAGAR 382007, GUJARAT.	DIRECTOR	29/12/2012
7	VIMALKUMAR GOPALDAS GANDHI	07950427	9, SHRIJIDARSHAN SOCIETY, NEAR SWAMI NARAYAN VIDHYALAY, NADIAD, GUJARAT.	INDEPENDENT DIRECTOR	26/09/2017
8	SACHIN PRAKASHBHAI PARIKH	07957074	23, GALAXY APARTMENT RACECOURSE ROAD, GALAXY-CINEMA, RACECOURSE RAJKOT, GUJARAT.	INDEPENDENT DIRECTOR	05/10/2017
9	VIPULBHAI VALLABHBHAI GAJERA	00030338	402/8/B ALKAPURI SOCIETY GIDC ESTATE ANKLESHWAR BHARUCH 390001 GUJARAT.	DIRECTOR	13/12/2018
10	JIGAR BHARATBHAI DAVE	08863860	E/223, SHASTRI NAGAR, NANA MAHUA MAIN ROAD, RAJKOT, GUJARAT 360004	NOMINEE DIRECTOR	08/09/2020
11	JASUBHAI CHAUDHARY	07723599	HOUSING PLOT NO. 760 "SHREE ARBUDA NIWAS" B/H SARDAR PATEL PRIMARY SCHOOL, ANKLESHWAR, GUJARAT 393002	ADDITIONAL DIRECTOR	29/08/2022

DATE : 09/12/2023
PLACE : ANKLESHWAR, GUJARAT.

Enviro Technology Limited Ankleshwar

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569, 252768, 250707
Email : dalwadibd@beil.co.in, darjiam@beil.co.in
Reg. Office : 9701-16, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ANNEXURE - I (a)

ENVIRO TECHNOLOGY LIMITED

Ref.: ETL/ANK/2020/1033

Date: 11.01.2020
PCB ID: 15074

To,
Dr H V C Chary Guntapalli, Scientist D
Ministry of Environment, Forest & Climate Change
Western Region Office,
Kendriya Paryavaran Bhavan,
Link Road No.3, E-5 Ravishankar Nagar
Bhopal-462016

Sub: Compliance of newspaper advertisement for the Ec No. 10-82/2018-IA-III dated 16th December,2019.

Ref: Environmental Clearance F. No. 10-82/2018-IA-III dated 16th December,2019.

Dear Sir,

With Reference to the aforesaid Environmental Clearance F. No. 10-82/2018-IA-III dated 16th December , 2019, has been received on 25-December-2019 for proposed expansion with modification of xisting common effluent treatment plant of M/s Enviro Technology limited (ETL), Ankleshwar.

As mentioned in the EC condition No. X (i), Ec receipt has to be published in newspaper within 7 days from the date of receipt of the clearance letter in at least two local newspapers.

We would like to inform that we have published in English (Times of India) on 01st January, 2020 and a vernacular language, Gujarati (Divya Bhaskar) Newspapers on 31st December, 2019.

The copies of the stated two newspapers are attached herewith for your reference and record.

Thanking you.

Yours Faithfully,
For, Enviro Technology Limited

B. D. Dalwadi
Chief Executive Officer

18/01/2020
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010

C.C: (1) Member Secretory
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10/A, Gandhinagar-382010
(2) Regional Officer
Gujarat Pollution Control Board
Ankleshwar

Received
Gujarat Pollution Control Board
RO Ankleshwar
16/1/2020

CIN NO.: U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569,252768 Fax : (02646) 250707
Email : dalwadibd@beil.co.in, darjiam@beil.co.in
Reg. Office : 97-98, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ter loans and several other vegetables have risen too.

According to Krishnakant Pawar, deputy secretary of APMC, Vashi, "Climate change happens to be the major factor for loss of production. The extended monsoon has badly hit farmers and destabilized the demand-supply chain." At the wholesale APMC market in Vashi, supplies of onions have halved since September, say traders. The shortage of old onions and delay in harvesting the winter crop has kept prices high.

"Mumbai market needs at least 100-125 truckloads of

sale market. During September and November last year, the prices were Rs 25-35 per kg, which jumped to Rs 50-130 per kg this year.

To check prices, government stopped exports in September. This saw a slight dip in prices from Rs 50-60 per kg in the wholesale market to Rs 40-50 in October.

lakh a month as a retainer in one of the HDIL Group companies, according to chargesheet submitted in court by the Enforcement Directorate (ED) in the PMC Bank scam. The ED questioned her about the source of funds for the purchase of a bungalow in Bandra along with flats in Golf Links Building, and bungalows in Alibaug and Vasai.

Man kills his ailing 62-yr-old mother to 'relieve' her of pain

Sandhya.Nair
@timesgroup.com

Mumbai: A 30-year-old man allegedly killed his ailing 62-year-old mother to 'relieve' her of pain. The incident took place in the Bhabha Atomic Power Station (BARC) Colony at Tarapur on Sunday. The complainant, accused Jayprakash Dhobi's brother, has told the police his younger sibling was mentally unstable.

According to the complaint, the victim, Chandravati, was preparing breakfast for Jayprakash when he hit her on the head with an iron rod. The accused is single and unemployed.

The complainant came to visit his mother after 11 am and saw Jayprakash sitting beside her body. The iron rod was lying near him. Jayprakash told the police his mother was suffering from arthritis, blood pressure, diabetes and cataract.

He told the police she often complained of pain and he killed her to liberate her. The victim lived along with her 70-year-old husband, a retired Tarapur Atomic Power Station (TAPS) employee and a daughter, who teaches at the (NPCIL School in Tarapur. Jayprakash and his older brother resided in different homes in Dattatraye Nagar in Boisar. They would visit their mother every Sunday.

Gift of life: City set for record, 79 transplants in one year

Times News Network

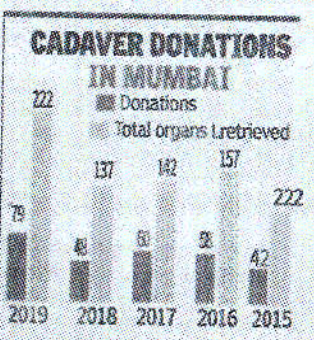
Mumbai: The city witnessed 14 life-saving transplants in the last one week thanks to four families who donated the organs of their loved ones.

As the year ends, the city is set to witness a heartening record of 79 organ donations, the highest ever since cadaver donation programme started in 1997. Over 200 organ failure patients could undergo transplants owing to the cadaver donations.

The Zonal Transplant Coordination Committee data shows that the number of donations increased by 65% in 2019 when compared with 2018 (48). T

he number of donated organs too rose by 60% as compared to the previous year. This year also witnessed more bone donations and the first pancreas transplant in the city. Overall, 121 kidneys, 68 livers, 21 hearts, 10 lungs and one pancreas were donated.

"The programme has seen unprecedented success this year, but the challenge now would be to sustain the momentum," said Dr S Mathur, president of



ZTCC. "Our next aim would be increase the donor pool and that could be achieved by recognizing more Non-transplant organ retrieval centres and encouraging them to identify donors," he said. TNN

સેપીઆંકના મૂલ્યાંકન માટે મોનીટરીંગ ટીમ આગામી મહિને આવી રહી છે. પૂર્વેજ એન.સી.ટીનું ઈનલેટ- આઉટ લેટની માત્ર વધુ આવતા દોડધામ મચી છે. છેલ્લા 2 મહિના ઈન-આઉટ ડેતા પરિણામ બગડ્યા છે. પર્યાવરણવાદી દ્વારા ઉચ્ચસ્તરીય રજુઆત કરી છે. એનસીટીમાં નિયત માત્રા કરતા વધુ સ્લજ સંગ્રહ દુર્ગંધ ફેલાતા આજુબાજુ કરી રહ્યા છે. અંકલેશ્વરના (FETP) ફાઈનલએફ્લુએન્ટ ટ્રીટમેન્ટ પ્લાન્ટ (NCT) જીપીસીબી ના માપ દંડો મુજબ કામના કરતા ચિંતામાં વધારો જોવા મળી રહ્યો છે.

અંકલેશ્વર, પાનોલી અને ઝગડિયા વિસ્તારમાં આવેલા ઓદ્યોગિક એકમોના ગંદા પાણીને શુદ્ધ કરી દરિયા સુધી લઈ જવાનું કાર્ય NCT દ્વારા થાય છે. જે છેલ્લા 2 મહિના થી માપ દંડો (ઓદ્યોગિક વેસ્ટ) નિર્ધારિત માત્રા થી વધુ જમા થયેલ છે જેનાથી પીરામણ અને અંકલેશ્વર સહિત આસપાસ ના વિસ્તારોમાં દુર્ગંધ ફેલાઈ રહી છે અને હવાના આ પ્રદુષણને લીધે આસપાસ આવેલ માનવ વસાહતોની પ્રજાના સ્વસ્થ્ય પર ગંભીર અસરો ઉભી થઇ રહી છે. સ્થાનિક પ્રકૃતિ સુરક્ષા મંડળ દ્વારા આ અંગે જીપીસીબીમાં લેખિત ફરિયાદ કરી છે. ફાઈનલ એફ્લુઅન્ટ બે મહિના થી જીપીસીબીએ નિર્ધારિત કરેલ માપદંડો મુજબ કાર્ય કરતું નથી જેમાં મુખ્યત્વે કેમિકલ ઓક્સીજન ડીમાંડ (COD) અને એમોનીકલ નાઈટ્રેટ (NH3-N) ટ્રીટમેન્ટ થયા પછી પણ તેના નિયત માત્રા થી વધુ NCT ના આઉટ લેટ માં નોંધવામાં આવેલ છે. અને આ પાઈપલાઈન દ્વારા કટીયાજાળના દરિયા સુધી જાય છે.

...ળતાં તસ્કરો વીલા મોઢે પરત ફર્યા
...રિ-હર કોમ્પ્લેક્ષના ...મે નિશાન બનાવ્યા

...પુષ્પકુંજ હરિ-હર કોમ્પ્લેક્ષના ...કાન નંબર-39, 40માં હેમંતસિંહ ...પ્રિયપ્રસાદ ઠાકોરનાઓ રહે છે. ...શનિવાર તેમના બંધ બે મકાનોને ...રાત્રી દરમિયાન તસ્કરોએ નિશાન ...બનાવી મકાનના દરવાજાના નકુચા ...તોડી મકાનમાં પ્રવેશ કર્યો હતો. ...તસ્કરોએ મકાનમાં મુકેલી તિજોરી ...સહીત કબાટો ખોલીને સમાનને ...અસ્તવ્યસ્ત કરી નાખ્યો હતો. જોકે તસ્કરોને કોઈ પણ કિંમતી ચીજ વસ્તુ હાથ નહિ લાગતા માત્ર 5 જેટલી સાડીઓ લઈને પલાયન થઈ ગયા હતા. બનાવની જાણ થતાં જ પરિવારે મકાનમાં તપાસ કરતા સાડી સિવાય કોઈ પણ વસ્તુ નહીં ગઈ હોવાથી રાહતનો શ્વાસ લીધો હતો. સી ડિવિઝન પોલીસે તસ્કરોને ઝડપી પાડવાના ચક્રોગતિમાન કર્યા છે.

...ઓને સેલ્ફ ડિફેન્સની તાલીમ આપી અને મેગા ડેમોન્સ્ટ્રેશન
2000 યુવતીઓએ શક્તિનું પ્રદર્શન કર્યું

ભરૂચના હોસ્ટેલ ગ્રાઉન્ડ ખાતે સ્કૂલ, કોલેજની વિદ્યાર્થીનીઓ માટે એ.બી.વી.પી દ્વારા મિશન સાહસીનું આયોજન કરાયું હતું. • રાજેશ પેઇન્ટર

૬ હજાર ઉપરાંતનો ઈંગ્લિશ દારૂ જપ્ત કર્યો
અંકલેશ્વર GIDCમાં પાનના ગલ્લામાંથી દારૂ ઝડપાયો
LCBએ ચામુંડા પાન કોર્નરમાં દારૂ ઝડપી પાડ્યો

ભાસ્કર ન્યૂઝ | અંકલેશ્વર

ઝડપાયેલ **સંચાલક નજરે પડે છે.**

અંકલેશ્વર જીઆઈડીસી પાનના **ગલ્લા માંથી ઈંગ્લીશ દારૂ એલ.સી.** બી ઝડપી પાડ્યો હતો. 31 ડિસેમ્બર પૂર્વે પોલીસ ચેકીંગ દરમિયાન જી.આઈ. એલ.ચોકડી પર ચામુંડા પાન કોર્નરમાં દારૂ મળી આવ્યો હતો. ૬ હજાર ઉપરાંતનો ઈંગ્લીશ દારૂ જપ્ત **કર્યો હતો. તેમજ પાનના ગલ્લા સંચાલક** પરપકડ કરી હતી.

અંકલેશ્વર પોલીસ દ્વારા 31 ડિસેમ્બરની ઉજાણીને લઇ ઈંગ્લીશ દારૂનો જથ્થો ઝડપી પાડવાની કવાયત હાથ ધરી હતી. દરમિયાન ભરૂચ **એલસીબી પોલીસ દ્વારા ચોક્કસ બાતમી આધારે જી.આઈ.એલ.** ચોકડી શાકમાર્કેટ પાસે ચામુંડા પાન કોર્નર પર સર્ચ કરતા અંદર થી ઈંગ્લીશદારૂ નો જથ્થો મળી આવ્યો હતો. પોલીસે વિવિધ બ્રાન્ડની ઈંગ્લીશ દારૂ બોટલ જપ્ત કરી હતી. તેમજ પાનના ગલ્લા સંચાલક જીતેન્દ્ર ઈશ્વર ચાવડાની ધરપકડ કરી હતી.

જાહેર સુચના
પર્યાવરણીય મંજૂરી

આ સાથે જણાવવામાં આવે છે કે, મિનિસ્ટ્રિ ઓફ એન્વાયરોમેન્ટ, ફોરેસ્ટ એન્ડ ક્લાયમેટ ચેન્જ(1A. III section) ઇન્દિરા પર્યાવરણ ભવન, જોર બાગ રોડ, નવી દિલ્હી-3. દ્વારા એન્વીરો ટેક્નોલોજી લિમિટેડ, પ્લોટ નં.૨૪૧૩/૨૪૧૪ & ૨૪૧૧, જી.આઈ.ડી.સી. ઇન્ડસ્ટ્રીયલ ઇસ્ટેટ, અંકલેશ્વર ૩૯૩૦૦૨ (ગુજરાત) ખાતે હાલનાં કોમનએફ્લુઅન્ટ ટ્રીટમેન્ટ પ્લાન્ટ માં ફેરફાર સાથે સુચીત વધારો કરવા માટેની પર્યાવરણીય મંજૂરી ક્રમાંક નં. F. NO. 10-82/2018-IA-III તારીખ ૧૯-૧૨-૨૦૧૯ દ્વારા ઈ.આઈ.એ.નોટીફીકેશન તારીખ ૧૪ સપ્ટેમ્બર ૨૦૦૬ જોગવાઈ હેઠળ આપેલ છે, જે અમને તારીખ ૨૬-૧૨-૨૦૧૯ ના રોજ મળેલ છે. ક્લીયરન્સ પત્રની નકલ મિનિસ્ટ્રિ ઓફ એન્વાયરોમેન્ટ, ફોરેસ્ટ એન્ડ ક્લાયમેટ ચેન્જ ની વેબસાઇટ ઉપર ઉપલબ્ધ છે.

તા.૩૦-૧૨-૨૦૧૯

બી.ડી.દલવાડી
(ચીફ એક્ઝીક્યુટીવ ઓફીસર)

ANNEXURE - I (H)

Environment Clearance for proposed expansion with modification of CETP – ETL Ankleshwar

Sr. No.	Address	Sign
1	Jilla Panchayat office, Bharuch	16.1.2020
2	Taluka Panchayat Office Ankleshwar	
3	Taluka Panchayat Office Jhagadia	15/01/2020
4	The Sarpanch Gram Panchayat – Dadhal	
5	The Sarpanch Gram Panchayat – Kosambdi	
6	The Sarpanch Gram Panchayat – Kapodara	
7	The Sarpanch Gram Panchayat – Bhadkodara	
8	The Sarpanch Gram Panchayat – Andada	
9	The Sarpanch Gram Panchayat – Jitali	
10	The Sarpanch Gram Panchayat – Gadkhoi	

11	The Sarpanch Gram Panchayat – Piraman, Piraman, Ankleshwar	15-1-2020
12	The Sarpanch Gram Panchayat – Sarangpur	
13	Mr. Yogesh P. Panua Safety Health and Environment Association Bharuch	
14	Mr Jayesh Patel Centre For Environment Science and Community,	
15	Manish Rana Paryavaran Mitra	
16	Ankleshwar Nagar Palika,	15-1-2020
17	Notified Area Office, Ankleshwar	NOTIFIED AREA RECEIVED 13/01/2020
18	Notified Area Office, Panoli	Date:- 15/1/2020 Notified Area Office GIDC, Panoli.
19	Notified Area Office, Jhagadia	15/1/20
20	Collector District Collector office, Bharuch	
21	The principie, Footwear Design & Development Institute	Footwear Design & Development Institute Ministry of Commerce & Industry, Govt. of India. ANKLESHWAR
22	The Principle, Pioneer School, Jitali	I/C Belim M.S. આચાર્ય શ્રી પાયોનિયર માધ્યમિક અને ઉચ્ચતર માધ્યમિક શાળા જીતાલી તા. અંકલેશ્વર જી. ભરૂચ

23	The Principle, P. S School, Jitali	
24	The Principle Shree Gattu Vidyalaya, Ankleshwar	PRINCIPAL SHREE GATTU VIDYALAYA G.I.D.C. ANKLESHWAR
25	The Principle, Smt Puspavati Devidas Shroff Sanskardeep Vidhyalaya Ankleshwar	SHROFF DEVIDAS
26	The Principle Lions International Academy, Ankleshwar	13/01/2020 8530950076
27	The Principle Lion School Ankleshwar	R.D. Lion
28	The Principle, Chandrabala Modi, academy, Ankleshwar	15/01/2020 PRINCIPAL CHANDERBALA MODI ACADEMY P.O. KONDH ANKLESHWAR DIST. BHARUCH
29	The Principle, R B.L.P S School, Ankleshwar	
30	Dr. A. K. Patel Ankleshwar	02646-246535
31	Dr. Mahesh Mistry Ankleshwar	
32	Administration office, ESIC Hospital	15/01/2020
33	Smt. Jayaben Modi Hospital	13/1/20

ANNEXURE -1(I)
OIC Copy

ENVIRO TECHNOLOGY LIMITED

Ref: ETL/ANK/JUNE/2024/253
GPCB ID: 15074

Date: 15th June 2024

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

Sub: Environmental Statement for the year 2023-24

Dear Sir,

We are forwarding herewith an Environmental Statement (Form V) for our Common Effluent Treatment Plant situated at Plot No.2413 / 2414 & 2211 G.I.D.C., Ankleshwar – 393 002, Dist. Bharuch, for the year 2023-2024. The treated effluent is being sent to FETP of NCT for further treatment and disposal.

Thanking you.

Yours faithfully,

For, Enviro Technology Ltd

A. P. Karkhanis
(Unit Head)

CC: The Regional Officer, GPCB, Ankleshwar

RECEIVED
G. P. C. Board
R. O. Ankleshwar
Date 24/06/2024

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569, 252768, 250707
Email : dalwadibd@beil.co.in, darjiam@beil.co.in
Reg. Office : 9701-16, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ENVIRONMENTAL STATEMENT

PART - A

01	Name and address of the owner / occupier of the industry / operation or process		Director – Mr. Ashok Panjwani Unit Head – Mr. A. P. Karkhanis
			Enviro Technology Ltd. 2413 – 2414, & 2211 GIDC Estate Ankleshwar – 393 002
02	Industry Category	Primary – STC Code	
		Secondary–SIC Code	
03	Production capacity	Units	Not applicable, it is a Common Effluent Treatment Plant
04	Year of establishment		1997
05	Date of the last Environmental Statement submitted		30th Jane, 2023

PART - B

Water and Raw material Consumption

01	**Water Consumption**	≈ 66.30 m3 / day	
	Process	28.99 m3 / Day	Water is consumed for Di sodium Hydrogen phosphate & Magnesium chloride solution preparation, Primary & Tertiary Sand Filter & Activated Carbon Filter Backwash, Bioaugmentation and domestic purpose.
	Cooling	17.32 m3 / Day	
	Domestic	19.99 m3 / day	

Sr. No.	Name of Products (*)	Process Water Consumption per unit of product output	
		During the previous financial year	During the current financial year
1.	There is no manufacturing activity as this is a Common Effluent Treatment Plant. Our design capacity is to treat 2200 m3 / day of Industrial effluent.		
(*)	Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries must name the raw material used.		

Enviro Technology Ltd. Ankleshwar

02: Raw Material Consumption

Sr. No.	Name of Products (*)	Consumption of raw material (In Kgs)	
		During the current financial year 2022 -2023	During the current financial year 2023 -2024
1.	Hy. Lime	542619.60	544093.90
2.	Hydrogen Peroxide	667	200
3.	Ferrous Sulphate (Solid)	2370	0
4.	Deforming Agent	2440	2039
5.	Polyelectrolyte (Type - 2)	3220.5	108
6.	Phosphoric Acid	28775.28	7025
7.	Magnesium Salt	45626	9837
8.	Sodium Salt	13300	5334.82
9.	Sodium Tri-poly Phosphate (STPP)	2080	1612
10.	Poly Aluminum Chloride (PAC)	4045	4400
11.	Deformer (Silicon Base Fin-18)	39450	54760
12.	C.S. Lye (30%)	53512.78	449315.40

PART - C

Pollution discharged to environment / unit of output.
(Parameters as specified in the Consent issued)

Sr, No.	Pollutants	Quantity of pollutants discharged, (mass / day)		Concentrations of pollutants in discharges (mass / volume)	Percentage of variation from prescribed Standards with reasons
a	Water	COD	2068.10 Kg/ day	868 mg/l	-13.2%
		BOD	17.34 Kg/day	7 mg/l	-96.5%
		Ammonical Nitrogen	106.00 Kg/day	45 mg/l	-10%
b	Air	All parameters specified in consent for D.G.set stack & ambient air are within limit.			

Enviro Technology Ltd.

PART – D
HAZARDOUS WASTE

(as specified under Hazardous Wastes [Management Handling & Trans – boundary Movement] Rules, 2008)

Hazardous Wastes		Total Quantity	
		During the previous financial year-22-23	During the current financial year-23-24
Category	Hazardous waste		
A) From Process			
35.3	Chemical Sludge from wastewater treatment	4578.945 MT	3592.600 MT
33.1	Discarded Containers	270 Nos.	0 Nos.
5.1	Used Oil	197 Liters	187 Liters
B) From Pollution Control Facilities			
Nil			

PART – E
SOLID WASTE

Hazardous Wastes		Total Quantity in M^3/MT	
		During the current financial year 2022-2023	During the current financial year 2023-2024
a	From Process	NIL	NIL
b	From pollution control facilities (generation)	NIL	NIL

PART – F

- Please specify the characteristics (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of wastes.
- The major source of solid waste generation in the CETP is from primary treatment & MAP treatment of effluent from the member industries. The sludge generated is dewatered with the help of a super decanter.
- ETP sludge is disposed to the Centralized Secured Landfill Facility at BEIL-Ankleshwar.

PART – G

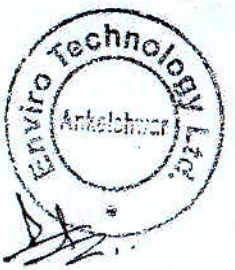
➢ Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- CETP was started to sort out the environmental problems faced by industries especially small-scale industries in this region. With commissioning and operation of the CETP, the waste disposal problem of member industries has been solved.
- As suggested by NEERI, we are adding Sewage to secondary treatment which helps better reduction of organics.
- The treated effluent is sent to FETP of NCT for further treatment and disposal up to deep sea through closed pipeline system. ETL is making payment of approximately Rs.55.75 Lacs per month to NCT for further treatment and disposal of the treated effluent.
- Under the guidance of IIT Mumbai & Kanpur improved the performance of the CETP including bio-augmentation by implementing new ASP + MLE system.
- With the segregation and treatment of effluent for removal of Ammonical Nitrogen with physico chemical treatment, the Ammonical Nitrogen at the CETP outlet is maintained 25 to 45 mg/l consistently.
- Implemented ASP + MLE system in biological process.

PART – H

➢ Addition measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- The sludge generated will be disposed of at the secured landfill of BEIL and Monthly expenditure will be approx. Rs. 10.30 Lacs.
- Engaged IIT (Kanpur + Mumbai) for further studies to reduce refractory COD & Improve CETP performance. Approximately Rs 64.6 Lacs is spent on the studies.
- We have Installed TOC/TN Meter at a cost of Rs 35 Lacs in November- 2012 & Connected to GPCB XGN.
- ETL has sponsored a project on "Electro Chemical Oxidation "studies with Engg. College, SRICT. Annual expenditure Rs. 6 lacks.
- We are displaying COD/BOD/pH/TSS & Flow on vendor's server by which real time monitoring by GPCB/CPCB.



PART – I

Any other particulars for improving the quality of the environment.

1 Display of information with respect to operation, at the front of the Company, for the public
2 Students / Community are permitted to visit the CETP. Required guidance are given to the students who are doing Environmental Courses
3 Tree plantation is taken up as an important activity.
4 ETL has integrated system for ISO 14001:2015 & ISO 45001:2018.
5 ETL Laboratory has got NABL accreditation as per ISO 17025:2005.
6 Microbiological laboratory is set up and is in operation.
7 Treatability studies are conducted, and it is an on-going activity.
8 21.5 % reduction in sludge generation compared to previous year by process modification & optimization.
9 GPS System installed on tankers and helps in tracking.
10 Manifest system for transporting effluent from member industry to ETL.
11 Studies are conducted through IIT Kanpur / Mumbai for improving performance.
12 Electrochemical oxidation studies are carried out through SRICT Ankleshwar

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For, Enviro Technology Limited

A.P.Karkhanis
Unit Head

Enviro Technology Ltd. Ankleshwar

Date: 15.06.2024
Place :- Ankleshwar

ENVIRO TECHNOLOGY LTD., ANKLESHWAR

EFFLUENT RECEIPT DATA APRIL-2023 TO MARCH-2024

Month	Total No. of Tankers received	Average COD ppm	Average NH4-N ppm
April 2023	4196	4035	86
May 2023	4246	4039	82
June 2023	4296	3798	68
July 2023	4816	3261	91
August 2023	4836	3480	80
September 2023	4757	3498	71
October 2023	5129	3592	64
November 2023	4054	3814	70
December 2023	4789	3892	59
January 2024	4302	4276	67
February 2024	5086	4154	69
March 2024	5122	4304	67

HAZARDOUS WASTE DETAILS (CETP SLUDGE) ALL QTY. IN KGS

Month	Opening Balance	Generation	Dispatched to BEIL for Landfilling	Closing Balance
April 2023	00	204550	204550	00
May 2023	00	224320	224320	00
June 2023	00	272200	272200	00
July 2023	00	247230	247230	00
August 2023	00	299440	299440	00
September 2023	00	295270	295270	00
October 2023	00	355650	355650	00
November 2023	00	245660	245660	00
December 2023	00	421010	421010	00
January 2024	00	357690	357690	00
February 2024	00	344110	344110	00
March 2024	00	325470	325470	00
Total		3592600	3592600	

SLUDGE ANALYSIS REPORT

Sr. No.	Parameters	Unit	Result	Method Ref.
ETP SLUDGE ANALYSIS				
1	$CaSO_4$	%	6.05	IS-4256
2	$CaCO_3$	%	73.29	IS 2720: Part 23
3	LOD at 105 °C	%	51.03	APHA 2540 B
4	Total Inorganic Solids	%	96.81	APHA 2540-G
ETP SLUDGE 10 % LEACHATE ANALYSIS				
5	Total Acidity	mg/L	NIL	APHA 2310-B
6	Total Alkalinity	mg/L	783	APHA 2320-B
7	COD	mg/L	604	APHA 5220-B
8	Oil % Oil emulsion	mg/L	2.68	APHA 5520 - B
9	Cyanide	mg/L	BDL	APHA 4500-CN -G
10	Fluoride	mg/L	0.784	APHA 4500-F -D
11	Phenolic Compound	mg/L	BDL	APHA 5530 - D
12	Iron	mg/L	1.8635	APHA 3111-Fe- B
13	Total Chromium	mg/L	0.4212	APHA 3111-Cr-B
14	Manganese	mg/L	0.1847	APHA 3111-Mn- B
15	Zinc	mg/L	0.2017	APHA 3111-Zn- B
16	**Copper**	mg/L	0.0852	APHA 3111-Cu-B
17	**Lead**	mg/L	0.3647	APHA 3111-Pb-B
18	**Nickel**	mg/L	0.4086	APHA 3111-Ni- B

SOIL ANALYSIS REPORT

Sr.No.	Parameters	Results of sampling Done on 26.08.23	Results of sampling Done on 02.03.24
1	pH	7.72	7.61
2	Conductivity (mS/m)	648	672
3	Organic Matter (%)	1.52	1.39
4	Phosphorous (P)	372	402
5	Copper (Cu)	0.42	0.39
6	Nickel (N)	0.51	0.58
7	Manganese (Mn)	7.20	6.92
8	Zinc (Zn)	0.72	0.62
BDL = Below Detectable Limit			

Enviro Technology Ltd. Ankleshwar

AMBIENT AIR MONITORING DATA APRIL 2023 TO MARCH 2024

Sr.No.	Month	PM10	PM2.5	SO2	NOx
		µg / Nm³			
1	April 2023	68.83	24.89	26.01	35.82
2	May 2023	68.16	24.92	26.21	37.15
3	June 2023	64.71	23.47	24.44	35.11
4	July 2023	54.89	19.09	19.88	29.40
5	August 2023	58.94	21.21	21.49	32.89
6	September 2023	55.01	20.64	20.95	30.75
7	October 2023	59.17	22.81	22.96	35.70
8	November 2023	60.48	23.35	22.75	35.80
9	December 2023	60.39	23.08	22.17	34.79
10	January 2024	60.86	22.86	21.72	35.47
11	February 2024	60.65	22.70	21.73	35.35
12	March 2024	63.03	22.37	21.58	35.45

D.G STACK MONITORING APRIL 2023 TO MARCH 2024

Sr.No.	Month	SPM miligram/NM3	SO2 ppm	NOx ppm
1	April 2023	28.41	12.08	15.97
2	May 2023	29.87	11.27	13.84
3	June 2023	27.52	10.46	12.39
4	July 2023	29.54	12.07	14.66
5	August 2023	26.43	10.72	13.63
6	September 2023	23.82	11.62	15.20
7	October 2023	29.35	10.57	17.62
8	November 2023	30.72	12.41	19.63
9	December 2023	31.42	13.20	20.12
10	January 2024	28.14	12.06	19.53
11	February 2024	32.07	13.51	18.94
12	March 2024	34.17	14.32	20.46