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ENVIRO TECHNOLOGY LIMITED

Ref: ETL/ANK/JUNE/2025/312
GPCB ID: 15074

Date: 26th June 2025

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

Sub: Environmental Statement for the year 2024-25

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 2024-2025. 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 26/06/2025

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569, 252768, 253104
Email : dalwadibd@beil.co.in, akhilkarkhanis@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		15th June, 2024

PART - B

Water and Raw material Consumption

01	**Water Consumption**	≈ 64.53 m3 / day	
	Process	28.49 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	14.98 m3 / Day	
	Domestic	21.06 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 previous financial year 2023 -2024	During the current financial year 2024 -2025
1.	Hy. Lime	544093.90	630089
2.	Hydrogen Peroxide	200	0
3.	Ferrous Sulphate (Solid)	0	4513
4.	Deforming Agent	2039	3706
5.	Polyelectrolyte (Type - 2)	108	131
6.	Phosphoric Acid	7025	11600
7.	Magnesium Salt	9837	22131
8.	Sodium Salt	5334.82	9873
9.	Sodium Tri-poly Phosphate (STPP)	1612	1998
10.	Poly Aluminum Chloride (PAC)	4400	13204
11.	Deformer (Silicon Base Fin-18)	54760	59020
12.	C.S. Lye (30%)	449315.40	670651

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	2655 Kg/ day	966 mg/l	-3.4%
		BOD	28 Kg/day	10 mg/l	-95%
		Ammonical Nitrogen	136 Kg/day	49 mg/l	-2%
b	Air	All parameters specified in consent for D.G.set stack & ambient air are within limit.			

Enviro Technology Ltd. Ankleshwar

PART – D
HAZARDOUS WASTE

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

Hazardous Wastes		Total Quantity	
Category	Hazardous waste	During the previous financial year-23-24	During the current financial year-24-25
A) From Process			
35.3	Chemical Sludge from wastewater treatment	**3592.600 MT**	**4668.420 MT**
33.1	Discarded Containers	**0 Nos.**	**3.34 MT**
5.1	Used Oil	**187 Liters**	**192 Liters**
B) From Pollution Control Facilities			
Nil			

PART – E
SOLID WASTE

Hazardous Wastes		Total Quantity in M^3/MT	
		During the current financial year 2023-2024	During the current financial year 2024-2025
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 a payment of approximately Rs.56.90 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 off at the secured landfill of BEIL and Monthly expenditure will be approx. Rs. 15.14 Lacs.
- Engaged IIT (Kanpur + Mumbai) for further studies to reduce refractory COD & Improve CETP performance. Approximately Rs 118.94 Lacs is spent on studies.
- We have Installed TOC/TN Meter at a cost of Rs 35 Lacs in November- 2012 and updated the new TOC-4200 meter at a cost of Rs. 29 Lacs in July-2024 & Connected to CPCB.
- 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.
- We are planning to install solar panels above aeration tank of 257.985 kW capacity.

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 GPS System installed on tankers and helps in tracking.
9 Manifest system for transporting effluent from member industry to ETL.
10 Studies are conducted through IIT Kanpur / Mumbai for improving performance.
11 Electrochemical oxidation studies are carried out through SRICT Ankleshwar.
12 We have installed Solar panels above office building and generating approximately 3571.4 Units per month.

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For, Enviro Technology Limited

A.P.Karkhanis
Unit Head

Enviro Technology Ltd. Ankleshwar

Date: 26.06.2025
Place :- Ankleshwar

ENVIRO TECHNOLOGY LTD., ANKLESHWAR

EFFLUENT RECEIPT DATA APRIL-2024 TO MARCH-2025

Month	Total No. of Tankers received	Average COD ppm	Average NH4-N ppm
April 2024	5122	4091	66
May 2024	5229	4013	63
June 2024	5128	4017	52
July 2024	5241	3593	53
August 2024	5392	3741	54
September 2024	5215	3963	57
October 2024	5630	4041	74
November 2024	4571	4431	113
December 2024	5520	4388	94
January 2025	5537	4140	87
February 2025	5014	4086	87
March 2025	4783	4011	82

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

Month	Opening Balance	Generation	Dispatched to BEIL for Landfilling	Closing Balance
April 2024	0	364600	364600	0
May 2024	0	340680	340680	0
June 2024	0	333330	333330	0
July 2024	0	389120	389120	0
August 2024	0	434160	434160	0
September 2024	0	387350	387350	0
October 2024	0	454760	454760	0
November 2024	0	473180	473180	0
December 2024	0	420020	420020	0
January 2025	0	446640	446640	0
February 2025	0	379490	379490	0
March 2025	0	485050	485050	0
Total		**4668420**	**4668420**	

SLUDGE ANALYSIS REPORT

Sr. No.	Parameters	Unit	Result	Method Ref.
ETP SLUDGE ANALYSIS				
1	$CaSO_4$	%	7.12	IS-4256
2	$CaCO_3$	%	71.23	IS 2720: Part 23
3	LOD at 105 °C	%	56.06	APHA 2540 B
4	Total Inorganic Solids	%	95.69	APHA 2540-G
ETP SLUDGE 10 % LEACHATE ANALYSIS				
5	Total Acidity	mg/L	NIL	APHA 2310-B
6	Total Alkalinity	mg/L	761	APHA 2320-B
7	COD	mg/L	582	APHA 5220-B
8	Oil % Oil emulsion	mg/L	2.09	APHA 5520 - B
9	Cyanide	mg/L	BDL	APHA 4500-CN -G
10	Fluoride	mg/L	0.82	APHA 4500-F -D
11	Phenolic Compound	mg/L	BDL	APHA 5530 - D
12	Iron	mg/L	2.0562	APHA 3111-Fe- B
13	Total Chromium	mg/L	0.3847	APHA 3111-Cr-B
14	Manganese	mg/L	0.1963	APHA 3111-Mn- B
15	Zinc	mg/L	0.3174	APHA 3111-Zn- B
16	Copper	mg/L	0.0963	APHA 3111-Cu-B
17	Lead	mg/L	0.2189	APHA 3111-Pb-B
18	Nickel	mg/L	0.3763	APHA 3111-Ni- B

SOIL ANALYSIS REPORT

Sr.No.	Parameters	Results of sampling Done on 31.08.24	Results of sampling Done on 28.02.25
1	pH	7.62	7.74
2	Conductivity (mS/m)	504.2	597.6
3	Organic Matter (%)	12.43	13.74
4	Phosphorous (P) (mg/kg)	682.2	607.5
5	Copper (Cu) (mg/kg)	0.382	0.446
6	Nickel (N) (mg/kg)	0.624	0.517
7	Manganese (Mn) (mg/kg)	0.887	0.961
8	Zinc (Zn) (mg/kg)	4.89	5.03
BDL = Below Detectable Limit			

Enviro Technology Ltd.

AMBIENT AIR MONITORING DATA APRIL 2024 TO MARCH 2025

Sr.No.	Month	PM10	PM2.5	SO2	NOx
		µg / Nm3			
1	April 2024	66.74	23.28	22.57	36.4
2	May 2024	68.13	23.23	22.91	36.62
3	June 2024	66.70	22.41	21.48	34.99
4	July 2024	59.05	20.66	20.17	31.38
5	August 2024	55.45	20.23	19.32	30.13
6	September 2024	56.48	21.39	20.22	33.03
7	October 2024	64.62	22.2	21.55	35.27
8	November 2024	73.23	22.58	22.01	36.22
9	December 2024	75.39	22.49	21.94	36.36
10	January 2025	76.56	22.83	21.87	36.41
11	February 2025	77.73	22.8	21.63	36.56
12	March 2025	78.36	23.02	22.1	36.92

D.G STACK MONITORING APRIL 2024 TO MARCH 2025

Sr.No.	Month	SPM miligram/NM3	SO2 ppm	NOx ppm
1	April 2024	32.53	12.74	18.63
2	May 2024	30.78	13.69	19.02
3	June 2024	32.47	11.93	17.39
4	July 2024	36.32	12.41	18.69
5	August 2024	39.17	11.28	19.23
6	September 2024	37.42	10.94	17.26
7	October 2024	35.72	11.82	15.33
8	November 2024	34.21	10.26	16.04
9	December 2024	36.47	12.08	18.13
10	January 2025	35.28	11.98	17.18
11	February 2025	33.57	12.21	18.04
12	March 2025	36.38	14.27	19.81

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

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. Dipak Meghapara	Report No : SEL/20241008/A-001 Issue Date: 14/10/2024

Lab Id Code	:	SRICT/20241008/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	08/10/2024	Test parameter	:	As mentioned by customer
Date of starting Analysis	:	09/10/2024	Quantity	:	2 Lit
Date of completion Analysis	:	14/10/2024	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Permissible Limit (If Applicable)	Test Method
1	Temperature	°C	25.2	40	APHA (23rd Ed) 2550
2	Total Kjedahl Nitrogen	mg/l	34.16	50	APHA-4500-Norg-B, Macro- Kjedahl Method, 23rd Eddi.
3	Phosphate	mg/l	1.75	5	IS: 3025(P-31)1988Re-2003, Stannous chloride Method.
4	Cyanide	mg/l	BDL	0.2	APHA(23rd Ed)4500-D,Titrimetric method
5	Fluorides	mg/l	BDL	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	0.26	2	AAS-APHA (23rd Ed) 3111-B, Colourimetric Method
8	Copper	mg/l	0.78	3	APHA 3111-CU-B,3-20 TO 3-31,23 rd. ED.2017 AAS
9	Nickel	mg/l	0.52	3	AAS-APHA 3111-Ni-B,3-20 to 3-21,23 rd. ED.2017
10	Zinc	mg/l	0.54	15	AAS-APHA,3111-Zn-B,3-20 TO 3-21,23 rd. ED.2017
11	Iron	mg/l	1.04	3	APHA-3111-Fe.B,3-20 to 3-21,23 rd. ED.2017

Enviro Technology Ltd. Ankleshwar

12	Manganese	mg/l	0.64	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	Color	Hazen	**5895**	100	APHA 2120 C, 2-7 to 2-8, 23rd Ed.: 2017,Spectrophotometric Single Wavelength Method
20	Sulphate	mg/l	**2318**	1000	APHA ,4500-SO4-E , 4-199 to 200, 23rd Ed.: 2017,Turbidimetric Method
21	Insecticide/ Pesticides	mg/l	Absent	Absent	Pesticides &Insecticides Ref. USEPA 508,525.2

BDL: Below Detection Limit

Note: Results shown in Bold are found above Permissible Limit.

Prepared and checked By

Authorized Signatory

Terms and conditions governing the test report issued

1. Sample is not drawn by SEL; the results are applicable only to the drawn 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.

END OF REPORT

Enviro Technology Ltd. Ankleshwar

SRICT ENVIRONMENTAL LABORATORY

(SHROFF S R ROTARY INSTITUTE OF CHEMICAL TECHNOLOGY)
(Managed by ANKLESHWAR ROTARY EDUCATIONAL SOCIETY)
(Block No. 402, At & Post: Vataria, Ta: Valia, Dist.: Bharuch, Pin code: 393135. Phone No.:02643-290825)

TC-13941

Group : Waste Water
Discipline : Chemical

ULR No. : TC139412400000000205F

TEST REPORT

Customer's Name & Address: M/s. Enviro Technology Ltd Plot no. 2413/14, GIDC Estate, Ankleshwar, Dist: Bharuch. Contact Person: Mr. Dipak Meghapara	Report No : SEL/20241008/A-001 Issue Date: 14/10/2024

Lab Id Code	:	SRICT/20241008/A-001			
Sample Description	:	Final O/L-001	Purpose	:	Testing
Date of sample received	:	08/10/2024	Test parameter	:	As mentioned by customer
ate of starting Analysis	:	09/10/2024	Quantity	:	2 Lit
Date of completion Analysis	:	14/10/2024	Packed/Seal	:	Sealed

Sr No	Parameter	Unit	Result	Acceptable Criteria	Test Method
1	pH	--	7.51	6.5 to 8.5	IS 3025(P-11) : 2022,Electrometric Method
2	Total Suspended solids (TSS)	mg/l	78.2	150	IS3025(P-17) 2022,Gravimetric Method
3	Total Dissolved Solid (TDS)	mg/l	**13110**	10000	IS3025(P-16), 2023,Gravimetric Method
4	BOD	mg/l	24.0	200	IS:3025 (Part 44),2023 ,Oxygen Depletion Method
5	COD	mg/l	720	1000	IS: 3025-Part 58, 2023,Open Reflux Method
6	Oil & Grease	mg/l	BDL	10	APHA 5520-B, 5-42 to 44, 23rd Ed.: 2017,Liquid Partition Gravimetric Method
7	Total Phenol	mg/l	0.15	5	APHA, 5530-D, Page No. 5-52, 23rd Ed.: 2017,Direct Photometric Method
8	Sulphide	mg/l	BDL	5	APHA 4500-S-2-F,4-187, 23rd Ed.: 2017,Iodometric Method
9	Ammonical Nitrogen	mg/l	26.88	50	IS: 3025-Part 34, 1988,Titrimetric Method
10	Chloride	mg/l	**4607.79**	1000	IS: 3025-Part 32, 1988,Argentometric Method

BDL: Below Detection Limit, Note: Results shown in Bold are found above Permissible Limit.

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4. Water/Waste water samples shall be stored for the period of one month after the date of issue of Report.

END OF REPORT

Prepared and checked By
Dr. Pratibha Gautam
(Technical Manager)

Authorized Signatory
Dr. Snehal Lokhandwala
(Quality Manager)

Enviro Technology Ltd. Ankleshwar