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KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



DISTRICT OFFICE, THIRUVANANTHAPURAM
ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O, THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട് ജംഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004



ANALYSIS REPORT

No: 202502

Date: 20/12/2023

Source		Medical College Hospital, Thiruvananthapuram.		
Sample Received From		NAMP Operator	Date of sample collection	01/12/2023
Date of Receipt		01/12/2023	Sample ID	13 (STP Outlet)
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.9	6.5 - 9
2	Total Suspended Solids	mg/L	175	100
3	BOD (3 days @ 27°c)	mg/L	46.1	30
4	COD	mg/L	112	250
5	Oil & Grease	mg/L	BDL	10
6	Total Coliform	cfu/100ml	1,60,000	-
7	Faecal Coliform	cfu/100ml	1,40,000	-

Remarks: BDL-Below Detection Level

Verified by

[Signature]
20/12/2023 (CS)

Scientist-in-Charge of Analysis

[Signature]
20/12/2023

ASSISTANT ENVIRONMENTAL SCIENTIST

DEA

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Website: kspcb.kerala.gov.in

KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



DISTRICT OFFICE, THIRUVANANTHAPURAM
ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O, THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004



ANALYSIS REPORT

No.202500

Date: 20/12/2023

Source		STP Muttathara, Thiruvananthapuram.		
Sample Received From	NAMP Operator	Date of sample collection	01/12/2023	
Date of Receipt	01/12/2023	Sample ID	10 (STP Outlet)	
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.9	6.5- 9
2	Total Suspended Solids	mg/L	12.3	< 50
3	BOD (3 days @ 27 ^o c)	mg/L	1.2	20
4	COD	mg/L	24	-
5	Oil & Grease	mg/L	BDL	-
6	Fecal Coliform	cfu/100ml	200	< 1000

Remarks: BDL-Below Detection Level

Verified by

[Signature]
20/12/2023

Scientist-in-Charge of Analysis

[Signature]
20/12/2023

ASSISTANT ENVIRONMENTAL SCIENTIST



**KERALA STATE POLLUTION CONTROL BOARD
CENTRAL LABORATORY**

**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
കേന്ദ്ര പരീക്ഷണശാല**



An Environmental Laboratory recognised under E(P)A 1986

TC 8525

TEST REPORT

Analysis Report No.	PCB/CL/643/2023-24	Date	02.11.2023	Format No.	PCB/CL:CH F-7
Ref. No.	PCB/EKM/DO-1/dated 03.10.2023	Date of Collection	03.10.2023		
Received From	District Office, Ernakulam	Date of Receipt	04.10.2023		
No. of Sample	1	Period of Analysis	05.10.2023 – 19.10.2023		
Source	Elamkulam STP Treated Water Tank	Scientist-in-charge	Dr. Josemin		
Sample Condition	Fit for analysis	Sample Type	Waste Water		
Sample collected by	The Environmental Engineer, District Office, Ernakulam	Sample volume & container type	Plastic Can		
Sample preservation	As per APHA/IS:3025 (Part-1)	Type of Test	CHEMICAL		

SAMPLE ID: TWR

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	pH	---	7.3	APIIA, 4500-H+B, 23 rd Ed., 2017	1 to 14
2	Total Suspended Solids	mg/L	21.0	APHA, 2540-D, 23 rd Ed., 2017	10 mg/L
3	Nitrate as Nitrogen	mg/L	3.97	APHA, 4500-NO3, 23 rd Ed., 2017	0.01 mg/L
4	Phosphates	mg/L	1.9	APHA, 4500-P/D E, 23 rd Ed., 2017	0.01mg/L
5	Ammoniacal Nitrogen	mg/L	BDL	APHA-4500 NH3-C, 23 rd Ed., 2017	0.02 mg/L
6	BOD	mg/L	3.7	IS 3025 Part(44): 1993	1mg/L
7	COD	mg/L	20.0	APHA, 5220-B, 23 rd Ed., 2017	4 mg/L
8	Oil & Grease	mg/L	BDL	APHA, 5520-B, 23 rd Ed., 2017	10 mg/L
9	Total Nitrogen	mg/L	5.7	APHA, 4500-N-Org B, 23 rd Ed., 2017	0.2 mg/L

--End of Report--

Checked By

SHABEENA P.S
Assistant Engineer

Authorised By

Note: The test results relate only to the sample submitted for analysis and it shouldn't be reproduced except in full without the written permission of the authorised signatory of the lab.

GANDHI NAGAR, KOCHI - 682 020 ഗാന്ധിനഗർ, കൊച്ചി - 682 020

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Certified for OHSMS (ISO 45001:2018)



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CENTRAL LABORATORY**

**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
കേന്ദ്ര പരീക്ഷണശാല**



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TEST REPORT

Analysis Report No.	PCB/CL/869/2023-24	Date	11.01.2024	Format No.	PCB/CL/CH/F-7
Ref. No.	PCB/EKM/DO-I dated 24.11.2023	Date of Collection	24.11.2023		
Received From	District Office, Ernakulam	Date of Receipt	24.11.2023		
No. of Sample	1	Period of Analysis	25.11.2023 – 08.12.2023		
Source	M/s. GCDA STP, Marine Drive Filter Out	Scientist-in-charge	Dr. Josemin		
Sample Condition	Fit for analysis	Sample Type	Waste Water		
Sample collected by	The Environmental Engineer, District Office, Ernakulam	Sample volume & container type	Plastic Can		
Sample preservation	As per APHA/IS:3025 (Part-1)	Type of Test	CHEMICAL		

SAMPLE ID: GA

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	pH	---	7.9	APHA, 4500-H+B, 23 rd Ed., 2017	1 to 14
2	Total Suspended Solids	mg/L	56.0	APHA, 2540-D, 23 rd Ed., 2017	10 mg/L
3	Ammoniacal Nitrogen	mg/L	10.1	APHA-4500 NH3-C, 23 rd Ed., 2017	0.02 mg/L
4	BOD	mg/L	7.7	IS 3025 Part(44): 1993	1 mg/L
5	COD	mg/L	12.0	APHA, 5220-B, 23 rd Ed., 2017	4 mg/L
6	Oil & Grease	mg/L	BDL	APHA, 5520-B, 23 rd Ed., 2017	10 mg/L
7	Total Nitrogen	mg/L	19.98	APHA, 4500-N-Org B, 23 rd Ed., 2017	0.2 mg/L

--End of Report--

Saw
Checked By
Sauphi P.K
JSA

Josemin
Authorised By
Dr. JOSEMIN
Environmental Scientist

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CENTRAL LABORATORY**

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കേന്ദ്ര പരീക്ഷണശാല**



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TC 8525

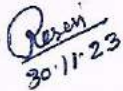
TEST REPORT


Analysis Report No.	PCB/CL/869/2023-24	Date	30.11.2023	Format No.	PCB/CL/CH/F-7
Ref. No.	PCB/EKM/DO-1 dated 24.11.2023	Date of Collection	24.11.2023		
Received From	District Office, Ernakulam	Date of Receipt	24.11.2023		
No. of Sample	1	Period of Analysis	24.11.2023 – 29.11.2023		
Source	GCDA STP, Marine Drive Filter Out	Scientist-in-charge	P. Geetha		
Sample Condition	Fit for analysis	Sample Type	Waste Water		
Sample collected by	The Environmental Engineer, District Office, Ernakulam	Sample volume & container type	300 ml Sterilized BOD Bottle		
Sample preservation	As per APHA IS:3025 (Part-1)	Type of test	MICROBIOLOGY		

Sample ID: BIO – 1250

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Fecal Coliform	cfu/100 ml	7000	APHA 9222 D, 23 rd Ed. 2017	1cfu/100 ml

--End of Report--

Checked by 
30/11/23


30/11/23
Authorised By

RESMI. R
Assistant Scientist

Note: The test results relate only to the sample submitted for analysis and it shouldn't be reproduced except in full without the written permission of the authorised signatory of the lab.

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DISTRICT OFFICE (ERNAKULAM-II), PERUMBAVOOR

ജില്ലാകാര്യാലയം (എറണാകുളം-2) പെരുമ്പാവൂർ

PMC. 20/733, Near Kallumkal Auditorium, Perumbavoor - 683 542

പിഎംസി. 20/733, കല്ലുകൽ ഓഡിറ്റോറിയം സമീപം, പെരുമ്പാവൂർ - 683 542.

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PCB/PBR/LAB/1/2013

Date: 28.12.2023

ANALYSIS REPORT

Source : COMMON ETP OF KINFRA SMALL INDUSTRIES PARK
 Sample Point : ACF OUTLET
 D.O.S : 16.12.2023
 D.O. Rd : 18.12.2023
 Collected by : NAMP-II
 Sample ID : PCB/PVR/3109/2023

Sl.No.	Parameters	Unit	Value	Test Method	KSPCB Limit
1	pH		6.85	APHA, 4500 H ⁺ B 23 rd Edition 2017.	6.0-9.0
2	BOD	mg/L	18.01	APHA, 5210 B, 23 rd Edition 2017	30
3	COD	mg/L	128.0	APHA 5220 B, 23 rd Edition 2017	250
4	TOTAL SUSPENDED SOLIDS	mg/L	128.0	APHA 2540 D, 23 rd Edition 2017	100
5	OIL AND GREASE	mg/L	BDL	APHA, 5520 B, 23 rd Edition 2017	10
6	FLUORIDES	mg/L	0.96	APHA, 4500-F ⁻ C, 23 rd Edition 2017	2
7	CHLORIDES	mg/L	138.96	APHA, 4500-Cl ⁻ B, 23 rd Edition 2017	1000
8	SULPHATES	mg/L	0.075	APHA, 4500-SO ₄ , 23 rd Edition 2017	1000
9	SULPHIDES	mg/L	BDL	APHA-4500-S ²⁻ D 23 rd Edition 2017	2
10	PHOSPHATES	mg/L	2.04	APHA, 4500-P, 23 rd Edition 2017	5
11	AMMONIACAL NITROGEN	mg/L	2.12	APHA, 4500-NH ₃ -F, 23 rd Edition 2017	50
12	PHENOLIC COMPOUNDS	mg/L	BDL	APHA, 5530 C, 23 rd Edition 2017	1
13	NITRATE	mg/L	1.22	APHA 4500-NO ₃ -E 23 rd Edition 2017	10

BDL- BELOW DETECTION LIMIT

JOLLY P J

6160

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LIFE
Lifestyle for Environment

PCB/PBR/LAB/1/2013

Date: 28.12.2023

ANALYSIS REPORT

Source : CETP RUBBER PARK, IRAPURAM

Sample Point : ACF FINAL OUTLET (NEW)

D.O.S : 16.12.2023

D.O. Rd : 18.12.2023

Collected by : NAMP II

Analysed by : JSAI & JSAIL

Sample ID : PCB/PVR/3108/2023

Sl.No.	Parameters	Unit	Value	Test Method	KSPCB Limit
1	pH		7.92	APHA, 4500 H ⁺ B 23 rd Edition 2017.	6.0-9.0
2	BOD	mg/L	3.3	APHA, 5210 B, 23 rd Edition 2017.	30
3	COD	mg/L	8.0	APHA, 5220 B, 23 rd Edition 2017	250
4	OIL AND GREASE	mg/L	BDL	APHA, 5520 B, 23 rd Edition 2017	10
5	TOTAL SUSPENDED SOLIDS	mg/L	BDL	APHA, 2540-D, 23 rd Edition 2017	100
6	TDS	mg/L	1810.4	APHA 2540-C, 23 rd Edition 2017	2100
7	AMMONIACAL NITROGEN	mg/L	0.012	APHA 4500-NH ₃ -F, 23 rd Edition 2017	50
8	SULPHIDES	mg/L	BDL	APHA, 4500-S ²⁻ -F, 23 rd Edition 2017	2
9	FLUORIDES	mg/L	0.95	APHA, 4500-F ⁻ -C, 23 rd Edition 2017	2
10	CHLORIDES	mg/L	67.49	APHA, 4500-Cl ⁻ -B, 23 rd Edition 2017	1000
11	SULPHATES	mg/L	46.39	APHA, 4500-SO ₄ , 23 rd Edition 2017	1000
12	PHENOLIC COMPOUNDS	mg/L	BDL	APHA, 5530 C, 23 rd Edition 2017	1

28/12/23
JSAI

6161
29/12/23

13	PHOSPHATE	mg/L	1.05	APHA-4500 P-E 23 rd Edition 2017.	5
14	NITRATE	mg/L	BDL	APHA 4500-NO3-E 23 rd Edition 2017.	10
15	TOTAL RESIDUAL CHLORINE	mg/L	BDL	APHA,4500-CI-B, 23 rd Edition 2017	1

BDL - BELOW DETECTION LIMIT



JOLLY P J

ASSISTANT SCIENTIST



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കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

മഹാജ്ഞാപതി സ്കവയർ, മട്ടന്നൂർ തിരു, പരവട്ടാനി, ജില്ലാകെ പി.ഒ., തൃശ്ശൂർ-680655

KERALA STATE POLLUTION CONTROL BOARD

Majestic Square, 3rd Floor, Paravattani, Ollukkara P.O., Thrissur-680655

ANALYSIS REPORT (WATER/EFFLUENT/SOLID WASTE)		No: TAS 999	Date:21.12.2023
Source	Sewage Treatment Plant by KWA Chakkamkandam.		EE, THRISSUR
Date of Sample Collection	05.12.2023		
Ref. No.	PCB/TSR/IC/487/07 Dated 06.12.2023	Period of analysis	06.12.2023-19.12.2023
Date of Receipt	06.12.23		
Scientist - in -charge of analysis		FLEGY FRANK	

SI No	Parameter	Unit	Value	
			CHK A (After chlorination) STP Outlet	CHK B (Before chlorination) STP Outlet
1	pH	---	7.77	7.45
2	Biological Oxygen Demand	mg/l	3.52	5.32
3	Chemical Oxygen Demand	"	12	20
4	Suspended solids	"	0.003	0.019
5	Oil & Grease	"	BDL	BDL
6	Faecal Coliform	MPN/100ml	NIL	250

AE₃

21/12

Flegy

Assistant Scientist

Kerala State Pollution Control Board

KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



DISTRICT OFFICE, THIRUVANANTHAPURAM
 ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O, THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട്ട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004



ANALYSIS REPORT

No: 202501

Date: 20/12/2023

Source		Kinfra, Pallithura, Thiruvananthapuram.		
Sample Received From		NAMP Operator	Date of sample collection	01/12/2023
Date of Receipt		01/12/2023	Sample ID	34 (CETP)
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	7.2	6.5 - 8.5
2	Total Suspended Solids	mg/L	10	100
3	BOD (3 days @ 27 ^o c)	mg/L	4.8	30
4	COD	mg/L	20	250
5	Oil & Grease	mg/L	BDL	10
6	Fecal Coliform	cfu/100ml	200	--
Remarks: BDL-Below Detection Level Verified by <i>[Signature]</i> 20/12/2023 Scientist-in-Charge of Analysis <div style="text-align: right;"> <i>[Signature]</i> 20/12/2023 ASSISTANT ENVIRONMENTAL SCIENTIST </div>				



email: kspcbpta@gmail.com

Phone/ fax: 0468-2223983

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

KERALA STATE POLLUTION CONTROL BOARD

ജില്ലാ ഓഫീസ്, OPP ജനറൽ ആശുപത്രി, KK Nair Road, കുന്തിയോട്ടത്തിൽബിൽഡിങ്, പത്തനംതിട്ട-689 645
DISTRICT OFFICE, OPP.GENERAL HOSPITAL, KK NAIR ROAD, BEHIND AVG MOTORS, PATHANAMTHITTA6896



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ഭരണഭാഷ - മാതൃഭാഷ

PCB/PTA/ICO/4337/2013

17.01.2024

From

Environmental Engineer

To

The Chief environmental engineer
Regional office
Kerala State Pollution Control Board
Thiruvananthapuram

Sub:- Analysis report of CETP,Kinfra,Adoor-reg

Ref:- That office Letter No.PCB/HO/SEE2/AMR/2019 dated 03.03.2022.

Sir,

With reference to the above,I am forwarding herewith the analysis report of CETP for the month of December, 2023 for your kind information.

Yours faithfully,

ENVIRONMENTAL ENGINEER

Enclosure : Inspection report , Analysis report.

KERALA STATE POLLUTION CONTROL BOARD, DISTRICT OFFICE, PATHANAMTHITTA

INSPECTION REPORT FOR THE MONTH OF DECEMBER 2023 (CETP)

Date of Inspection	Name of unit	Quantity of Effluent m ³ /day	ETP Units	Analysis Report of Effluent sample			Mode of disposal of treated effluent	Mode of disposal of ETP Sludge
				pH	BOD	FC		
29.12.2023	Common ETP, Kinfra, Adoor	225	Screen chamber, equalization tank, aeration tank clarifier, filter feed tank, chlorine closing ,activated carbon filter, pressure sand filter, clean water tank, sludge tank, sludge drying beds	6.8	28	Nil	Soak pit	Sludge drying beds



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കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



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DISTRICT OFFICE, OPP.GENERAL HOSPITAL, KK NAIR ROAD, BEHIND AVG MOTORS, PATHANAMTHITTA689645



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keralapcbonline.com

ഭരണഭാഷ - മാതൃഭാഷ

ANALYSIS REPORT

Date: 08.01.2024

Source: Kinfra food processing Industrial Park, Elamannoor (Common ETP)

Date of sampling: 29.12.2023

Date of sample Received: 29.12.2023

NATURE OF SAMPLE: Effluent

3729
8/1/2024
AE3
DK
8/1/24

SL NO	Parameters	Unit	PCB 22	Limit
			Outlet	
1	pH		6.8	6.5-8.5
2	BOD	mg/L	28	30
3	COD	mg/L	144	250
4	SS	mg/L	88	100
5	O & G	mg/L	8.8	10

Remarks: All parameters are within the limit.

ASSISTANT SCIENTIST

KERALA STATE POLLUTION CONTROL BOARD

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DISTRICT OFFICE (ERNAKULAM-II), PERUMBAVOOR
ജില്ലാകാര്യാലയം (എറണാകുളം-2) പെരുമ്പാവൂർ
PMC. 20/733, Near Kallumkal Auditorium, Perumbavoor - 683 542
പിഎംസി. 20/733, കല്ലുകൾക്കാഡിറ്റോറിയംസമീപം, പെരുമ്പാവൂർ - 683 542



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PCB/PBR/LAB/1/2013

Date: 15.01.2024

ANALYSIS REPORT

Source : SEPTAGE TREATMENT PLANT, BRAHMAPURAM

Sample Point : FILTERED EFFLUENT TANK

D.O.S : 04.01.2024

D.O. Rd : 04.01.2024

Collected by : EE

Sample ID : PCB/PVR/3139/2024

Sl.No.	Parameters	Unit	Value	Test Method	KSPCB Limit
1	pH		8.11	APHA, 4500 H ⁺ B 22 nd Edition 2012.	5.5-9.0
2	BOD	mg/L	4.2	APHA, 5210 B, 22 nd Edition 2012.	30
3	COD	mg/L	24.0	APHA, 5220 B, 22 nd Edition 2012	250
4	OIL AND GREASE	mg/L	BDL	APHA, 5520 B, 22 nd Edition 2012	10
5	TOTAL SUSPENDED SOLIDS	mg/L	BDL	APHA, 2540-D, 22 nd Edition 2012	100
6	PHOSPHATES	mg/L	0.113	APHA-4500 P-E 22 nd Edition 2012	5
7	NITRATES	mg/L	1.336	APHA 4500-NO ₃ -E, 22 nd Edition 2012	10
8	SULPHATES	mg/L	4.758	APHA, 4500-SO ₄ , 22 nd Edition 2012	1000
9	SULPHIDES	mg/L	BDL	APHA-4500-S ²⁻ D 22 nd Edition 2012	2
10	AMMONIACAL NITROGEN	mg/L	BDL	APHA, 4500-NH ₃ -F, 22 nd Edition 2012	50
11	PHENOLIC COMPOUNDS	mg/L	BDL	APHA, 5530 C, 22 nd Edition 2012	1
12	FAECAL COLIFORM	cfu/100mL	6	APHA 9222 D, 23 rd Edition 2017	<1000
13	FAECAL STREPTOCOCCI	cfu/100mL	24	APHA 9230 A, 22 nd Edition 2012	-

BDL - BELOW DETECTION LIMIT

6420
17/01/24

STP AT PAMBA

ANALYSIS REPORT

Date:03.01.2024

Date of sampling: 23.12.2023

Date of sample Received: 23.12.2023

Sl.NO.	Parameter	Unit	I/L	O/L	Limit
1	pH		7.5	8.9	5.5-9
2	BOD	mg/l	210	29	30
3	COD	mg/l	534	90	250
4	SUSPENDED SOLIDS	mg/l	400	40	100
5	TC	CFU/100ml		Nil	< 230

Remarks: All parameters are within the limit

STP AT SANNIDHANAM

ANALYSIS REPORT

Date: 03.01.2024

Date of sampling: 23.12.2023

Date of sample Received: 23.12.2023

Sl.NO.	Parameter	Unit	O/L	Limit
1	pH		7.9	5.5-9
2	TSS	mg/l	44	100
3	BOD	mg/l	55	30
4	OIL & GREASE	mg/l	14	10
5	TDS	mg/l	330	2100
6	TC	CFU/100ml	Nil	< 230

.Remarks: BOD, O&G exceeded the limit.