

de

☎0471-2303844  
e.mail: kspcbdotvpm@gmail.com  
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), പ്ലാമൂട്ട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004



## ANALYSIS REPORT

No.202530

Date: 14/02/2024

Source		STP Muttathara, Thiruvananthapuram.		
Sample Received From		NAMP Operator	Date of sample collection	02/02/2024
Date of Receipt		02/02/2024	Sample ID	R16 (STP Outlet)
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.7	6.5- 9.0
2	Total Suspended Solids	mg/L	18	< 50
3	BOD ( 3 days @ 27°c)	mg/L	4.4	20
4	COD	mg/L	16	-
5	Oil & Grease	mg/L	BDL	-
6	Fecal Coliform	cfu/100ml	Absent	< 1000

Remarks: BDL-Below Detection Level

Verified by

*Deborah S...*  
14/02/2024

Scientist-in-Charge of Analysis

*Shame*  
14/02/2024

ASSISTANT ENVIRONMENTAL SCIENTIST

0471-2303844

e.mail: [kspcbdotvpm@gmail.com](mailto:kspcbdotvpm@gmail.com)

Website: [kspcb.kerala.gov.in](http://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: 202529

Date: 14/02/2024

Source		Medical College Hospital, Thiruvananthapuram.		
Sample Received From	NAMP Operator	Date of sample collection	02/02/2024	
Date of Receipt	02/02/2024	Sample ID	63 (STP Outlet)	
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.5	6.5 – 9.0
2	Total Suspended Solids	mg/L	69	100
3	BOD (3 days @ 27°C)	mg/L	4.9	30
4	COD	mg/L	128	250
5	Oil & Grease	mg/L	BDL	10
6	Total Coliform	cfu/100ml	6800	-
7	Faecal Coliform	cfu/100ml	3400	-
Remarks: BDL-Below Detection Level				
Verified by				
Scientist-in-Charge of Analysis				
ASSISTANT ENVIRONMENTAL SCIENTIST				

**STP AT PAMBA**  
**ANALYSIS REPORT**

Date: 30.03.2024

Date of sampling: 16.03.2024

Date of sample Received: 16.03.2024

Sl.NO.	Parameter	Unit	I/L	O/L	Limit
1	pH		7.3	6.8	5.5-9
2	BOD	mg/l	230	36	30
3	COD	mg/l	496	96	250
4	SUSPENDED SOLIDS	mg/l	284	82	100
5	TC	CFU/100ml		86	< 230

Remarks: BOD exceeded the limit.



ASSISTANT SCIENTIST

**STP AT SANNIDHANAM**  
**ANALYSIS REPORT**

Date: 30.03.2024

Date of sampling: 16.03.2024

Date of sample Received: 16.03.2024

Sl.NO.	Parameter	Unit	O/L	Limit
1	pH		6.8	5.5-9
2	TSS	mg/l	64	100
3	BOD	mg/l	23.2	30
4	OIL & GREASE	mg/l	3.6	10
5	TDS	mg/l	460	2100
6	TC	CFU/100ml	186	< 230

Remarks: All parameters are within the limit



ASSISTANT SCIENTIST





# ജില്ലാ ഓഫീസ്, ആലപ്പുഴ

കേരള സംസ്ഥാന ജലീനീകരണ നിയന്ത്രണ ബോർഡ്

**KERALA STATE POLLUTION CONTROL BOARD**

**DISTRICT OFFICE, ALAPPUZHA**

എസ്.എൻ.വി.സദനം, ന്യൂ ചാത്തനാട്, ഹെഡ് പോസ്റ്റ് ഓഫീസ്, ആലപ്പുഴ - 688001

SNV Sadhanam, New Chathanad, Head Post Office, Alappuzha - 688001

E-mail: alpy.pcb@gmail.com Telephone : 0477 - 2235384 web: www.keralapcb.nic.in

ബോർഡിന്റെ വെബ്സൈറ്റ്: [www.keralapcbonline.com](http://www.keralapcbonline.com) എന്ന വെബ്സൈറ്റ് ഉപയോഗിക്കുക.



ANALYSIS REPORT (WATER/EFFLUENT/SOLID WASTE)		No.	Date: 03/04/2024
Source	CHATHANAD STP		
Date of sample Collection	21/03/2024	Sample received from	AE <sub>3</sub>
Ref.No.	.	Period of analysis	
Date of Receipt	22/03/2024		
Scientist-in-charge of analysis		ASSISTANT SCIENTIST	

Sl.n o.	Parameter	Unit	Value			
			Sample No.			
			K <sub>2</sub>			Limit
1	PH	-	7.5			6.5-8.5
2	BOD	mg/L	12.2			30mg/L
3	Suspended Solids.	mg/L	0.5			100mg/L
4	Oil and grease.	mg/L	0.028			10mg/L
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
Details of samples						
Remarks:						

*Alekh*  
03/04/2024.

**ASSISTANT SCIENTIST**

# ജില്ലാ ഓഫീസ്, കോട്ടയം

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

**KERALA STATE POLLUTION CONTROL BOARD**

**DISTRICT OFFICE, KOTTAYAM.**

ശ്രീനിവാസ അയ്യർ റോഡ്, കോട്ടയം-686001

Sreenivasa Ayyer Road, Kottayam-686001

E-mail: [kspcbkottayam@gmail.com](mailto:kspcbkottayam@gmail.com) Telephone : 0481 - 2302445 web: [www.keralapcb.nic.in](http://www.keralapcb.nic.in)

ഓൺലൈനിൽ അപേക്ഷകൾ സമർപ്പിക്കുന്നതിന് [www.krocmms.nic.in](http://www.krocmms.nic.in) എന്ന വെബ്സൈറ്റ് ഉപയോഗിക്കുക.

## Analysis Report

Analysis Report No.	2203	Date	14/02/2024	Format No:	nil
Application No		Date of collection			29/01/2024
Received From	AE1	Date of Receipt			29/01/2024
No. Of Sample	1	Period of Analysis			29/01/2024 - 13/02/2024
Source	District Tourism Promotion Council (DTPC) Kumarakom ,Kottayam	Scientist in charge			JYOTHY G NATH
Sample Condition	Fit for analysis	Sample Type			Water
Sample Collected By	AE1	Sample volume & container type			2 L Plastic container
Sample Preservation	AS per APHA/IS:3025(Part-1)				

Sample ID: District Tourism Promotion Council (DTPC)Kumarakom ,Kottayam

Sl No.	Parameters	Unit	Value	Test Method	Limit
1.	pH	----	6.7	IS Part 44	5.5-9.0
2.	BOD	mg/L	30	APHA,5220 B,5-18 to 5-19	30
3.	COD	mg/L	112	APHA,5220 B,5-18 to 5-19	250
4.	SS	Mg/L	26	APHA 2540D	100.0
5.	Oil and Grease	Mg/L	BDL	APHA 5520B	10.0

Checked by

Authorised by



**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്**

മജസ്റ്റിക് സ്ക്വയർ, മൂന്നാം നില, പരവട്ടാനി, ഒല്ലൂക്കര പി.ഒ., തൃശ്ശൂർ-680655

**KERALA STATE POLLUTION CONTROL BOARD**

Majestic Square, 3<sup>rd</sup> Floor, Paravattani, Ollukkara P.O., Thrissur-680655

<b>ANALYSIS REPORT</b> (WATER/EFFLUENT/SOLID WASTE)		No: TAS 1080	Date: 22.03.2024
Source	KWA Chakkamkandam		EE, THRISSUR
Date of Sample Collection	29.02.2024		
Ref. No.	PCB/TSR/IC/487/07 Dated 23.02.2024	Period of analysis	23.02.2024- 18.03.2024
Date of Receipt	23.02.2024		
Scientist – in –charge of analysis		FLEGY FRANK	

SI No	Parameter	Unit	Value
			CHK (STP Outlet)
1	pH	---	7
2	Biological Oxygen Demand	mg/l	13.8
3	Chemical Oxygen Demand	..	46
4	Suspended solids	..	0.101
5	Oil & Grease	..	0.4
6	Faecal Coliforms	..	200

AE<sub>3</sub>

22/3

*Flego*

Assistant Scientist

Kerala State Pollution Control Board





Telephone No: 0487 - 2374939

E-mail: kspebtsr@gmail.com

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

മെജസ്റ്റിക് സ്ക്വയർ, മൂന്നാം നില, പരാവട്ടാനി, ഒല്ലൂക്കര പി.ഒ., തൃശ്ശൂർ-680655

KERALA STATE POLLUTION CONTROL BOARD

Majestic Square, 3<sup>rd</sup> Floor, Paravattani, Ollukkara P.O., Thrissur-680655

ANALYSIS REPORT (WATER/EFFLUENT/SOLID WASTE)		No: TAS 1067	Date: 04.03.2024
Source	Thrissur Corporation Slaughter House Kuriachira P.O Thrissur.		EE, THRISSUR
Date of Sample Collection	14.02.2024		
Ref. No.	PCB/TSR/IC/1503/09 Dated 15.02.2024	Period of analysis	15.02.2024- 29.02.2024
Date of Receipt	15.02.2024		
Scientist – in –charge of analysis		FLEGY FRANK	

SI No	Parameter	Unit	Value
			S.H (Treated water tank)
1	pH	---	5.42
2	Biological Oxygen Demand	mg/l	12
3	Chemical Oxygen Demand	..	140
4	Suspended solids	..	2
5	Oil & Grease	..	BDL

AE<sub>2</sub>  
5/3

*Flegy*  
Assistant Scientist  
Kerala State Pollution Control Board



☎: General: 0483- 2733211

e-mail:kspcbmlpm@gmail.com, Fax: 0483 2733211 web: [kspcb.kerala.gov.in](http://kspcb.kerala.gov.in)



## KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



District Office Malappuram, 19/269A, Perinthalmanna Road, Up Hill, Malappuram-676505

ജില്ലാ ഓഫീസ് മലപ്പുറം, 19/269A പെരിന്തൽമണ്ണ റോഡ്, കുന്नुമുൽ, മലപ്പുറം -676505

ANALYSIS REPORT- EFFLUENT		REPORT No: E 32/24	Date: 16.03.2024
Source	Tirur Municipality Bus Stand STP Malappuram District Kerala 676104	Samples Collected by:	District Office, Malappuram
Date of Sample Collection	16.02.2024	Period of Analysis	19.02.2024 to 12.03.2024
Date of Receipt	19.02.2024		

SI No	Parameter	Unit	Value Sample ID No.		Desirable limit as per IS10500:2012
			PCB104	PCBHS3	
1	pH	-	6.8	6.7	6.5- 8.5
2	Biological Oxygen Demand	mg/l	72	280	30
3	Chemical Oxygen Demand	mg/l	172	800	250
4	Total Suspended Solid	mg/l	24	70	100
5	Oil and Grease	mg/l	BDL	BDL	10

Details of Samples : Effluent Sample : PCB104 - Before Filtration  
: PCBHS3 - After Filtration

**ASSISTANT SCIENTIST**



KERALA STATE POLLUTION CONTROL BOARD

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കോഴിക്കോട് ജില്ലാ ഓഫീസ്

DISTRICT OFFICE, KOZHIKODE

3<sup>rd</sup> FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002

Ph: 0495-2300745

kspcb.kerala.gov.in



PCB/HO/EE3/MPR/10/2023/A dated 07/03/2024.

Dated 14/03/2024.

From

Environmental Engineer,

To

The Member Secretary

Sub: STP's at Medical College Kozhikode - regarding.

Ref: 1. Letter No. PCB/HO/EE3/MPR/10/2023/A dated 07/03/2024.

Madam,

Details of STP's at Medical College Kozhikode are as follows.

SI NO	Capacity	Treatment Units	Mode of disposal of treated effluent
1	2MLD (old plant)	1.fixed bed reactor 2.primary clarifier 3.aeration Tank 4.Secondary clarifier 5.Pressure sand filter 6.Activated carbon filter 7.U.V Treatment 8.Sludge Digester 9.Filter press	Treated effluent after reuse is discharged through pipelines to Canoli Canal
2	2 MLD & 1MLD Capacity Plants (New)	1.Receiving chambers 2.Screen channel 3.Collection Tanks 4.Electrolytic Reactor	Pumping to Canoli Canal (as per project report ) Consent application



		5.Setting Tanks 6.Filter feed Tank 7.Pressure sand filter 8.Activated Carbon filter 9.Treated Water Tank 10.filter press	pending with Board. For clarifying reuse details of treated effluent.
3	500 KLD	1.screech 2.Vortex Grit Chamber 3.Equalisation Tank 4.Anoxic Tank 5.Aeration Tank 6.Secondary Clarifier 7.Filter feed Tank 8.Pressure sand filter 9.Chlorine contact Tank 10.activated carbon filter 11.Gravity Thickener 12.Filter press 13.Sludge dyeing beds	Pumping to Canoli Canal (as per project report) Consent application pending with Board for clarifying reuse details of treated effluent.

The analysis report dated 20/02/2024 showing results of old and new 2 MLD and 500 KLD capacity STP's are attached herewith for reference.



Thanking you,

*V. Anand*

Yours faithfully

Enclosure:

Analysis report dated 20/02/2024.





**KERALA STATE POLLUTION CONTROL BOARD**

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കോഴിക്കോട് റീജ്യണൽ ഓഫീസ്  
REGIONAL OFFICE, KOZHIKODE

Phone: 0495-2300744 Mail: pcbrokkd@gmail.com Website: kspcb.kerala.gov.in

3<sup>rd</sup> FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002



23/2/24

ANALYSIS REPORT OF WASTEWATER

<b>Report No.</b>	K R O R 4 9 4 8 - 1 to 3	<b>Date:</b>	2 0 0 2 2 0 2 4
Date of Sample Collection	0 7 0 2 2 0 2 4	Date of receipt of the sample	0 8 0 2 2 0 2 4
Time	Hours: NOT GIVEN	Time	Hours: 1 4 : 0 0
Sampled by:	AE 2,RO,KKD	Sample ID	PCB-63, PCB-19 & PCB-90
Sampling Method	NOT GIVEN	Sample Lab Code	KROS 4948 -1,2 & 3
Sample container	PC-2.5L	Ref.letter No.	PCB/DO/KKD/165/2023 DATED:08.02.2024
Source:	<b>MEDICAL COLLEGE,KOZHIKODE</b>	Received from:	CEE/RO/KKD
		Period of analysis:	08.02.2024-19.02.2024
Specific sampling location:	PCB-63, Final Treated Water (Old MLD Plant) PCB-19, Final Treated Water (New MLD Plant) PCB-90, Treated Water before Ultra Filtration <i>(of 500 KL DP plant)</i>	No. of samples	3
		Analysed by:	AKG/NKT/SP
Sample preservation:	NOT GIVEN	Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22 <sup>nd</sup> Ed.)	

Sl no	Parameters	unit	LDL	Method No.	Sample ID		
					PCB-63	PCB-19	PCB-90
1	pH	-	4	APHA 4500-H+B	6.7	7.3	6.5
2	TOTAL SUSPENDED SOLIDS (Dried at 103-105°C)	mg/L	4	APHA 2540D	9	12.4	BDL
3	BOD	mg/L	0.5	IS3025 (Part 44)	14.2	26.8	1.4
4	COD	mg/L	5	APHA 5220B	32	64	8
5	OIL&GREASE	mg/L	4.7	APHA 5520B	BDL	BDL	BDL
6	RESIDUAL CHLORINE	mg/L	0.4	APHA 4500Cl B	BDL	BDL	26.75

Remarks: LDL-Lower Detection limit. BDL-Below Detection Limit.

*[Signature]*  
Scientist in charge

PCB/RLC/NABL/2012/REP.WW/REV-0

AE

8/13/24

703  
13/3/24



**KERALA STATE POLLUTION CONTROL BOARD**  
**DISTRICT OFFICE**  
**RUBCO HOUSE, 6TH FLOOR, SOUTH BAZAR,**  
**KANNUR-670002.**

**Telephone: 0497-2711621**

**ANALYSIS REPORT**

Report No:	KNR-1469	Date:	13-02-2024		
Date of sample	02-02-2024	Date of receipt:	02-02-2024		
Sample received from:	The Environmental Engineer	Sample ID:	EFF:576		
Source:	Effluent	Ref. Letter.No.	PCB/KNR/DO/GEN 1244/2021		
Sample container:	PC 2.5L	Sampled by:	NAMP		
Sample type:	Effluent	Period of Analysis :	2/02/2024 to 12/02/2024		
Specific sampling location:	STP outlet of taliparamba municipality.p.o 670141	Analysed by:	JSA 2		
Sample Preservation:	As per APHA/IS:3025 (Part 1)	No. of Samples:	1		
Scientist -in-Charge of Analysis :	Asst.Scientist	Method: Standard methods for the examination of Water and Waste Water, APPA AWWA WEF (22nd Ed)			
Sl.No.	Parameters	Unit	Sample ID		
			EFF: 576		
1	pH	--	7.18		
2	BOD(3 days at 27°C)	mg/L	6.4		
3	COD	mg/l	20		
4	Oil and grease	mg/L	0.36		
5	TDS	mg/L	414.8		
6	TSS	mg/L	40		

**BDL- Below Detection Limit**

**ND- Not Detectable**

**Sample Details:**

EFF 576-STP outlet of taliparamba municipality.p.o 670141

This test results is restricted for the water sample(s) collected by Assistant Engineer on Dt on 02/02/2024 only

*DP*  
14/2/24

**Scientist in charge**

**DEEPAK.P.P.**

**Assistant Scientist**

**Kerala State Pollution Control Board**  
**District Office, Kannur-670002**