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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: 202849

17/10/2025

Source		STP Muttathara, Thiruvananthapuram		
Sample Received From	NAMP Operator	Date of sample collection	03/10/2025	
Date of Receipt	03/10/2025	Sample ID	605	
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.5	6.5 - 9.0
2	Total Suspended Solids	mg/L	43	< 50
3	BOD (3 days @ 27°C)	mg/L	10.2	20
4	COD	mg/L	36	-
5	Oil & Grease	mg/L	BDL	-
6	Fecal Coliform	cfu/100ml	Nil.	<1000
Remarks: BDL-Below Detection Level				
Verified by				
 <b>AISWARYA RAJ V.R.</b> Scientist-in-Charge of Analysis		 <b>HIMA S.H.</b> Assistant Environmental Scientist		

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ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

P. O. 12/96 (4.5), P. L. MOODU JN., PATTOM P.O., THIRUVANANTHAPURAM - 695 004

P. O. 12/96 (4.5), പട്ടം ചി.ഒ, തിരുവനന്തപുരം - 695 004



## ANALYSIS REPORT

No: 202850

17/10/2025

Source		CETP KINFRA		
Sample Received From		AEE, AE2 & JSA	Date of sample collection	03/10/2025
Date of Receipt		03/10/2025	Sample ID	31
Sl. No.	Parameter	Unit	Value	Permissible Limit
				On land for irrigation
1	pH	-	7.1	6.0-9.0
2	Total Suspended Solids	mg/L	24	100
3	Total Dissolved Solids	mg/L	959	2100
4	BOD (3 days @ 27° C)	mg/L	0.8	100
5	COD	mg/L	56	250
6	Oil & Grease	mg/L	BDL	10
7	Ammoniacal Nitrogen	mg/L	11.6	NS
8	Nitrate Nitrogen	mg/L	2.4	NS
9	Total Kjeldahal Nitrogen	mg/L	26.8	NS
10	Phosphates	mg/L	0.0156	NS
11	Chlorides	mg/L	388	1000
12	Sulphates	mg/L	0.9	1000
13	Fluoride	mg/L	1	2
14	Total Residual Chlorine	mg/L	0.2	1
15	Phenolic Compounds	mg/L	BDL	1
16	Sulphides	mg/L	BDL	2
17	Cyanide	mg/L	BDL	NS

Remarks: BDL-Below Detection Level, NS -Not Specified

Verified by

  
AISWARYA RAJ V.R.
Assistant Scientist  
Scientist-in-Charge of Analysis

  
HIMMA S.H.

Assistant Environmental Scientist

**KERALA STATE POLLUTION CONTROL BOARD**

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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: 202848

17/10/2025

Source		Medical College Hospital, Thiruvananthapuram.		
Sample Received From	NAMP Operator	Date of sample collection	03/10/2025	
Date of Receipt	03/10/2025	Sample ID	504	
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	5.5	6.5 - 8.5
2	Total Suspended Solids	mg/L	9.4	10
3	BOD (3 days @ 27°C)	mg/L	0.3	3
4	Oil & Grease	mg/L	BDL	1
5	Bio-assay Test	-	100% died within one hour.	90% survival of fish after 96 hours in 100% effluent prior to disinfection.
6	COD	mg/L	52	-
7	Total Coliform	cfu/100ml	Nil	-
8	Fecal Coliform	cfu/100ml	Nil	-
Remarks: BDL-Below Detection Level				
Verified by				
 Assistant Scientist				
Scientist-in-Charge of Analysis				
 HIMA S.H. Assistant Environmental Scientist				



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കോഴിക്കോട് റീജ്യണൽ ഓഫീസ്  
REGIONAL OFFICE, KOZHIKODE



Phone: 2300744 (CEE);

kspcb.kerala.gov.in

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

**ANALYSIS REPORT OF WASTEWATER**

<b>Report No.</b>	<b>K R O S 5 7 3 1 / 1 3</b>	<b>Date:</b>	<b>0 3 0 9 2 0 2 5</b>
Date of Sample Collection	1 1 0 8 2 0 2 5	DATE OF RECEIPT OF THE SAMPLE	1 3 0 8 2 0 2 5
Time	Hours: NOT GIVEN	Time	Hours: 2 : 4 5 P M
Sampled by:	AE 2, DO, KKD	Sample ID	PCB C1, PCB 42, PCB AA6
Sampling Method	NOT GIVEN	Sample Lab Code	KROS 5731/1-3
Sample container	PC-2.5L	Ref.letter No.	File No: PCB/DO/KKD/GOVT MEDICAL COLLEGE Dated: 13.08.2025
Source:	GOVT MEDICAL COLLEGE, KOZHIKODE	Received from:	EE/DO/KKD
		Period of analysis:	13.08.2025-03.09.2025
Specific sampling location:	3 STPs OF GOVT. MEDICAL COLLEGE, KOZHIKODE PCB C1- 1 MLD NEW PLANT PCB 42- 2 MLD NEW PLANT PCBAA6- 2 MLD OLD PLANT.	No. of samples	3
		Analysed by:	PVH/NSS/MT/AKR
Sample preservation:	ICE	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 C1	PCB 42	PCB AA6
1	pH	-	2	APHA 4500-H+,B	7.8	6.5	7
2	SUSPENDED SOLIDS	mg/L	4	APHA 2540D	38.9	94.4	9.8
3	BOD	mg/L	0.5	IS3025 (Part 44)	26.67	77.87	9.07
4	COD	mg/L	5	APHA5220B	112	176	48
5	OIL&GREASE	mg/L	4.7	APHA 5520B	BDL	BDL	BDL
6	TOTAL RESIDUAL CHLORINE	mg/L	0.2	APHA 4500 Cl <sup>-</sup> G	NIL	NIL	NIL
7	AMMONIACAL-N	mg/L	0.02	APHA 4500 NH <sub>3</sub> F	77.352	142.944	56.01
8	NITRATE NITROGEN	mg/L	0.09	APHA 4500 NO <sup>3-</sup> B	1.158	1.621	0.958

Remarks:

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

PCB C1- 1 MLD NEW PLANT

PCB 42- 2 MLD NEW PLANT

PCBAA6- 2 MLD OLD PLANT.

Scientist in charge

**ASHNA. N.K**  
**Assistant Scientist**



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REGIONAL OFFICE, KOZHIKODE



Phone: 2300744 (CEE); kspcb.kerala.gov.in  
3<sup>rd</sup> FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002

**ANALYSIS REPORT OF WASTEWATER**

<b>Report No.</b>	<b>K R O S 5 6 8 5 / 1 3</b>	<b>Date:</b>	<b>0 1 0 8 2 0 2 5</b>
Date of Sample Collection	0 8 0 7 2 0 2 5	DATE OF RECEIPT OF THE SAMPLE	1 1 0 7 2 0 2 5
Time	Hours: NOT GIVEN	Time	Hours: 0 4 : 0 0 PM
Sampled by:	AE 2, DO, KKD	Sample ID	PCB 3168, PCB 206A, PCB 75
Sampling Method	NOT GIVEN	Sample Lab Code	KROS 5685/1-3
Sample container	PC-2.5L	Ref.letter No.	File No: PCB/DO/KKD/GOVT MEDICAL COLLEGE Dated: 11.07.2025
Source:	<b>GOVT MEDICAL COLLEGE, KOZHIKODE</b>	Received from:	EE/DO/KKD
		Period of analysis:	11.07.2025-31.07.2025
Specific sampling location:	<b>PCB 3168- 2 MLD NEW PLANT PCB 206A- 1 MLD NEW PLANT PCB75- 2 MLD OLD PLANT.</b>	No. of samples	3
		Analysed by:	PVH/NSS/MT/AKR
Sample preservation:	ICE	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 3168	PCB 206A	PCB 75
1	pH	-		APHA 4500-H+,B	7.5	7.5	7.5
2	SUSPENDED SOLIDS	mg/L	4	APHA 2540D	32.2	12.3	BDL
3	BOD	mg/L	0.5	IS3025 (Part 44)	33.4	8.4	14.4
4	COD	mg/L	5	APHA5220B	160	72	32
5	OIL&GREASE	mg/L	4.7	APHA 5520B	9.76	BDL	BDL
6	TOTAL RESIDUAL CHLORINE	mg/L	0.2	APHA 4500 Cl <sup>-</sup> B	NIL	NIL	NIL
7	AMMONIACAL-N	mg/L	0.02	APHA 4500 NH <sub>3</sub> F	36.324	55.401	126.655
8	NITRATE NITROGEN	mg/L	0.09	APHA 4500 NO <sup>3-</sup> B	0.368	0.221	0.189

Remarks: LDL-Lower Detection limit. BDL-Below Detection Limit.  
PCB 3168 - 2MLD NEW PLANT  
PCB 206A - 1MLD NEW PLANT  
PCB75 - 2 MLD OLD PLANT

*(Signature)*  
Scientist in charge

**ASHNA. N.K**  
Assistant Scientist



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

**ANALYSIS REPORT OF WASTEWATER**

<b>Report No.</b>	<b>K R O S 5 6 3 5 / 1 - 3</b>	<b>Date:</b>	<b>0 1 0 7 2 0 2 5</b>
Date of Sample Collection	1 3 0 6 2 0 2 5	Date of receipt of the sample	1 6 0 6 2 0 2 5
Time	Hours: NOT GIVEN	Time	Hours: 0 2 : PM
Sampled by:	AE-2,DO,KKD	Sample ID	PCB 06,PCB 80, PCB 101
Sampling Method	NOT GIVEN	Sample Lab Code	KROS 5635/1-3
Sample container	PC-2.5L	Ref.letter No.	PCB/KKD/DO/MEDICAL COLLEGE Dated:16.06.2025
Source:	GOVT. MEDICAL COLLEGE KOZHIKODE	Received from:	EE/DO/KKD
		Period of analysis:	16.06.2025-01.07.2025
Specific sampling location:	GOVT. MEDICAL COLLEGE, KOZHIKODE	No. of samples:	3
		Analysed by:	NSS/HPV/SNS/MT/AKR
Sample preservation:	ICE	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 06	PCB 80	PCB 101
1	pH	-	2	APHA 4500-H+B	9.5	9	9
2	TOTAL SUSPENDED SOLIDS (Dried at 103-105°C)	mg/L	4	APHA 2540D	18.9	34.5	9.2
3	BOD	mg/L	0.5	IS3025 (Part 44)	46.6	20.67	18.27
4	COD	mg/L	5	APHA 5220B	64	120	48
5	OIL & GREASE	mg/L	4.7	APHA 5520 B	11.76	5.52	BDL
6	TOTAL RESIDUAL CHLORINE	mg/L	0.2	APHA 4500 Cl <sup>-</sup> B	NIL	NIL	NIL
7	AMMONIACAL- N	mg/L	0.02	APHA 4500 NH <sub>3</sub> F	106.446	57.927	38.85
8	NITRATE- N	mg/L	0.09	APHA 4500 NO <sub>3</sub> <sup>-</sup> B	0.614	0.379	0.179

**PCB 06 : 2 MLD(NEW PLANT)**  
**PCB 80 : 1 MLD (NEW PLANT)**  
**PCB 101 : 2 MLD (OLD PLANT)**

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

*(Signature)*  
Scientist in charge

**ASHNA. N.K**  
Assistant Scientist



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REGIONAL OFFICE, KOZHIKODE

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

**ANALYSIS REPORT OF WASTEWATER**

<b>Report No.</b>	<b>K R O S 5 7 7 2 / 1 - 4</b>	<b>Date:</b> 2 1 1 0 2 0 2 5
Date of Sample Collection	2 3 0 9 2 0 2 5	Date of receipt of the sample
Time	Hours: NOT GIVEN	Time
Sampled by:	AE-2,DO,KKD	Sample ID
Sampling Method	NOT GIVEN	Sample Lab Code
Sample container	PC-2.5L	Ref.letter No.
Source:	GOVT.MEDICAL COLLEGE KOZHIKODE	Received from:
		Period of analysis:
Specific sampling location:	4 STPs of GOVT.MEDICAL COLLEGE KOZHIKODE	No. of samples:
		Analysed by:
Sample preservation:	ICE	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 K1	PCB 90	PCB 04	PCB 223
1	pH	-		APHA 4500-H <sub>+</sub> B	7	7	8.5	8.5
2	TOTAL SUSPENDED SOLIDS (Dried at 103-105°C)	mg/L	4	APHA 2540D	BDL	13.1	6.8	154.2
3	BOD	mg/L	0.5	IS3025 (Part 44)	8.27	25.07	13.87	13.07
4	COD	mg/L	5	APHA 5220B	24	64	32	176
5	OIL & GREASE	mg/L	4.7	APHA 5520 B	BDL	BDL	BDL	10.44
6	TOTAL RESIDUAL CHLORINE	mg/L	0.2	APHA 4500 Cl <sub>2</sub> B	47.038	NIL	NIL	NIL
7	AMMONIACAL-N	mg/L	0.02	APHA 4500 NH <sub>3</sub> F	1.524	234.146	24.739	176.655
8	NITRATE -N	mg/L	0.09	APHA 4500 NO <sub>3</sub> B	7.263	1.474	1.509	1.684

PCB K1 : STP Of 500 KLD  
 PCB 90 : STP Of 1 MLD (NEW plant)  
 PCB 04: STP Of 2 MLD (OLD PLANT)  
 PCB 223: STP Of 2 MLD (New plant)

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

*[Signature]*  
 Scientist in charge



**KERALA STATE POLLUTION CONTROL BOARD**  
**DISTRICT OFFICE**  
**RUBCO HOUSE, 6TH FLOOR, SOUTH BAZAR,**  
**KANNUR-670002**  
**Telephone: 0497-2711621**

**ANALYSIS REPORT**

Report No:	KNR-1789	Date:	17-10-2025	
Date of sample	26-09-2025	Date of receipt:	26-09-2025	
Sample received from:	Senior Environmental Engineer	Sample ID:	EFF-869	
Source:	Effluent	Ref. Letter.No.	PCB/KNR/DO/2003/2024	
Sample container:	PC 2.5L	Sampled by:	PA	
Sample type:	Effluent	Period of Analysis:	26/09/2025 to 13/10/2025	
Specific sampling location:	Effluent sample from STP at Old Age Home, Azhikode	Analysed by:	JSA	
Sample	As per APHA/IS:3025 (Part	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		
Sl.No.	Parameters	Unit	Sample ID	
			EFF-869	
1	pH		7.62	
2	BOD	mg/L	40.7	
3	COD	mg/L	80	
4	TSS	mg/L	20	
5	Oil and Grease	mg/L	0.24	

**BDL- Below Detection Limit**

**ND- Not Detectable**

**Sample Details:**

EFF-869: Effluent sample from STP at Old Age Home, Azhikode

This test results is restricted for the water sample(s) collected by Project Assistant dt on 26/09/2025 only

  
Scientist in charge

**Dr. VIJAYTHA VIJAYAKUMAR**  
**ASSISTANT SCIENTIST**



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**DISTRICT OFFICE**  
**RUBCO HOUSE,6TH FLOOR, SOUTH BAZAR,**  
**KANNUR-670002**  
**Telephone:0497-2711621**

**ANALYSIS REPORT**

Report No:	KNR-1801	Date:	01-11-2025	
Date of sample	24-10-2025	Date of receipt:	24-10-2025	
Sample received from:	Senior Environmental Engineer	Sample ID:	EFF-880	
Source:	Effluent	Ref. Letter.No.	PCB/KNR/DO/2003/2024	
Sample container:	PC 2.5L	Sampled by:	PA	
Sample type:	Effluent	Period of Analysis:	24/10/2025 to 31/10/2025	
Specific sampling location:	Treated effluent sample from Old Age Home, Azhikode, Kannur	Analysed by:	JSA	
Sample	As per APHA/IS:3025 (Part	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		
Sl.No.	Parameters	Unit	Sample ID	
			EFF-880	
1	pH		7.38	
2	BOD	mg/L	25	
3	COD	mg/L	40	
4	TSS	mg/L	24	
5	Oil and Grease	mg/L	0.8	


**BDL- Below Detection Limit**

**ND- Not Detectable**

**Sample Details:**

EFF-880:Treated effluent sample from Old Age Home, Azhikode, Kannur

This test results is restricted for the water sample(s) collected by Project Assistant, dt on 24/10/2025 only

  
Scientist in charge

**Dr. VIJAYTHA VIJAYAKUMAR**  
**ASSISTANT SCIENTIST**



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

**Telephone: 0497-2711621**

**ANALYSIS REPORT**

Report No:	KNR-1791	Date:	17-10-2025	
Date of sample	26-09-2025	Date of receipt:	26-09-2025	
Sample received from:	Senior Environmental Engineer	Sample ID:	EFF-871	
Source:	Effluent	Ref. Letter.No.	PCB/KNR/DO/2003/2024	
Sample container:	PC 2.5L	Sampled by:	PA	
Sample type:	Effluent	Period of Analysis:	26/09/2025 to 13/10/2025	
Specific sampling location:	Effluent sample from CSTP at Taliparamba Municipality	Analysed by:	JSA	
Sample	As per APHA/IS:3025 (Part	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		
Sl.No.	Parameters	Unit	Sample ID	
			EFF-871	
1	pH		6.52	
2	BOD	mg/L	4	
3	COD	mg/L	8	
4	TSS	mg/L	33	
5	Oil and Grease	mg/L	0.1	


**BDL- Below Detection Limit**

**ND- Not Detectable**

**Sample Details:**

EFF-871: Effluent sample from CSTP at Taliparamba Municipality

This test results is restricted for the water sample(s) collected by Project Assistant dt on 26/09/2025 only

  
Scientist in charge

**Dr. VIJAYTHA VIJAYAKUMAR**  
**ASSISTANT SCIENTIST**



**KERALA STATE POLLUTION CONTROL BOARD**

**DISTRICT OFFICE**

**RUBCO HOUSE, 6TH FLOOR, SOUTH BAZAR,**

**KANNUR-670002**

**Telephone: 0497-2711621**

**ANALYSIS REPORT**

Report No:	KNR-1790	Date:	17-10-2025	
Date of sample	26-09-2025	Date of receipt:	26-09-2025	
Sample received from:	Senior Environmental Engineer	Sample ID:	EFF-870	
Source:	Effluent	Ref. Letter.No.	PCB/KNR/DO/2003/2024	
Sample container:	PC 2.5L	Sampled by:	PA	
Sample type:	Effluent	Period of Analysis:	26/09/2025 to 13/10/2025	
Specific sampling location:	Effluent sample from STP at Padannapalam, Kannur	Analysed by:	JSA	
Sample	As per APHA/IS:3025 (Part	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		
Sl.No.	Parameters	Unit	Sample ID	
			EFF-870	
1	pH		7.48	
2	BOD	mg/L	16	
3	COD	mg/L	30.2	
4	TSS	mg/L	19	
5	Oil and Grease	mg/L	0.44	

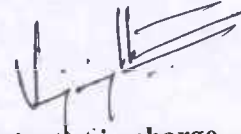
**BDL- Below Detection Limit**

**ND- Not Detectable**

**Sample Details:**

EFF-870: Effluent sample from STP at Padannapalam, Kannur

This test results is restricted for the water sample(s) collected by Project Assistant . dt on 26/09/2025 only

  
**Scientist in charge**

**Dr. VIJAYTHA VIJAYAKUMAR**  
**ASSISTANT SCIENTIST**