

ANALYSIS REPORT OF RIVERS INCLUDED IN THE LIST OF PRS-2022 FOR THE MONTH OF FEBRUARY 2026								
SL NO	PARAMETER	RIVER-NEYYAR		RIVER- KARAMANA		RIVER- MAMOM	RIVER- AYIROOR	RIVER- VAMANAPURAM
		Aruvippuram	Amaravila	Aruvikkara	Moonnattumukku	Mamom	Ayiroor	Vamanapuram
1	Temperature, 0°C	30	29.4	29.8	29.8	29.8	29.6	30
2	Dissolved Oxygen, mg/l	7	6.9	7.3	1.7	6.3	5.9	7
3	pH	6.9	6.8	6.8	7.1	7	7.4	7.1
4	Conductivity, µmhos/cm	89	95	84	675	203	126	96
5	BOD, mg/l	0.9 (BDL)	0.6 (BDL)	0.8 (BDL)	4.8	0.8 (BDL)	1 (BDL)	0.4 (BDL)
	Nitrate-N, mg/l	1.2	2.7	0.5	10.7	3.2	2.8	2.3
7	Turbidity, NTU	1.5	2.1	2.4	37	2.3	3.8	1.7
8	Phenolphthalein Alkalinity, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)
9	Total Alkalinity, mg/l	20 (BDL)	24	20 (BDL)	120	28	28	24
10	Chloride, mg/l	20	20	20	120	24	24	24
11	COD, mg/l	4 (BDL)	4 (BDL)	4 (BDL)	52	4 (BDL)	4 (BDL)	4 (BDL)
12	TKN, mg/l	0.81 (BDL)	1.2 (BDL)	0.7 (BDL)	36	1.7	1.8	2
13	Ammoniacal-N, mg/l	0.0 (BDL)	0.0 (BDL)	0.0 (BDL)	26.3	0.8	0.0 (BDL)	0.0 (BDL)
14	Hardness as CaCO ₃ , mg/l	24	24	16	92	40	28	32
15	Calcium as CaCO ₃ , mg/l	16	16	12	72	28	20	20
16	Magnesium as CaCO ₃ , mg/l	8	8	4 (BDL)	20	12	8	12
17	Sulphate, mg/l	2.6 (BDL)	2.0 (BDL)	0.5 (BDL)	13.6	5.2	4.3 (BDL)	1.9 (BDL)
18	Calcium (Ca ²⁺), mg/l	6.41	6.41	4.81	28.86	11.22	8.02	8.02
19	Magnesium (Mg ²⁺), mg/l	1.944	1.944	0.972	4.86	2.916	1.944	2.916
20	Sodium, mg/l	12.2	13.2	12.6	66.3	15.6	13.3	14
21	Total Dissolved Solids, mg/l	72	73	60	385	118	91	84
22	Total Fixed Solids, mg/l	51	54	43	307	84	64	63
23	Total Suspended Solids, mg/l	8 (BDL)	10 (BDL)	14	190	20	27	13
24	Phosphate, mg/l	0.0126 (BDL)	0.0314 (BDL)	0.0192 (BDL)	0.1722 (BDL)	0.025 (BDL)	0.0335 (BDL)	0.0326 (BDL)
25	Boron, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0.3 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)
26	Potassium, mg/l	6.4	5.8	5.8	30.7	6.2	10.2	7.3
27	Fluoride, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0.36	0 (BDL)	0 (BDL)	0 (BDL)
28	Total Coliform, MPN/100 ml	540	630	450	27000	1200	1400	720
29	Fecal Coliform, MPN/100 ml	79	94	100	11000	430	630	120
30	Fecal Streptococcus, MPN/100 ml	0 (BDL)	0 (BDL)	0 (BDL)	32	0 (BDL)	0 (BDL)	0 (BDL)
31	% SODIUM	45.2	47.8	53.9	52.3	41.5	41.3	42.4
32	SAR	1.08	1.17	1.37	3.00	1.08	1.09	1.07

**ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND
THONDRA
April- 2026**

SI NO	BOTTLE NO.	Name of Drains	PH	BOD	TC	FC
1	TK1	Panayampalathodu	NIL	NIL	NIL	NIL
2	TK2	PadathupalamThodu	7.09	0.6	700	200
3	TK3	Thottappuzha	NIL	NIL	NIL	NIL
4	TK4	Kuttapuzha under Kattodubridge	6.43	2.2	1000	400
5	TK5	Kadavumbara	6.7	2.6	900	500
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	NIL	NIL	NIL	NIL
8	TK8	Komalamthodu	6.97	5.2	750	300
9	TK9	Vennikulam Valiyathodu	NIL	NIL	NIL	NIL
10	TK10	Paduthodu	NIL	NIL	NIL	NIL
11	TK11	Mallappally Valiyathodu	NIL	NIL	NIL	NIL

Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (April-2026)															
SLN 0	Name of Drain	Parameters													
		pH			Electrical Conductivity(µS/cm)			BOD(mg/l)			TC(Nos/100ml)			FC	
		FEB	MAR	APR	FEB	MAR	APR	FEB	MAR	APR	FEB	MAR	APR	FEB	APR
1	Parumala Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	MannarTown Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Kuriyathkadavu Thodu	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	KaruveliThodu	7.11	6.95	7.79	122	117.6	32.96	2.6	2.7	3	1000	1200	1600	600	1000
5	Nochithodu	7.08	6.91	7.6	170.8	100.8	45.45	0.1	2.7	1.6	200	1200	900	100	700
6	Pattaparambil Thodu	7.01	6.87	7.42	196.6	122.3	96.45	0.5	2.5	1.9	300	600	1800	100	900
7	Kappiyarissery Thodu	6.82	6.55	6.66	222.4	169.8	330.8	2.6	2.4	3	1200	600	1000	900	500
8	Kombankery Thodu	7	7.11	7.22	350.8	181.3	122.3	0.6	1.4	2.4	500	1200	1200	200	900
9	Perackalthodu	7.07	7.08	7.11	218.7	231.7	164.4	0.2	0.7	2.4	200	500	200	100	400
10	Erathodu	6.94	6.54	7.04	415.1	229	215.9	0.1	1.4	0.4	200	600	1500	100	900
11	Kolarayaru	7.26	6.81	7.39	39.5	49.6	30.01	0.2	0.6	0.8	200	200	800	100	300

Analysis report of polluted river stretches-R Periyar, R- Chithrapuzha,R-Kadambrayar, R-Chalakudy For the month of APRIL 2026							
STNCode	Sampling Date	Sampling Time	StnName	Type Of Water Body	Name Of Water Body	River Basin	
17	10.04.2026	11:00	Periyar at Eloor	River	Periyar River		
1338	08.04.2026	10:38	Periyar at SDP Aluva	River	Periyar River		
2334	17.04.2026	11:00	Periyar at Pathalam	River	Periyar River		
2335	17.04.2026	12:30	Periyar at Kalamassery	River	Periyar River		
3468	08.04.2026	10:50	Periyar at KWA Aluva	River	Periyar River		
2337	25.04.2026	12:00	Kadambrayar At Brahmapuram	River	Kadambrayar River		
2338	25.04.2026	11:10	Kadambrayar At Manackakadavu	River	Kadambrayar River		
1573	25.04.2026	13:00	Chithrapuzha At Irumpanam	River	Chithrapuzha River		
1154	08.04.2026	12:50	Chalakudy at Pulikkakadavu	River	Chalakudy River		

Sl. No.	Parameters	Values								
		Station Code								
		17	1338	2334	2335	3468	2337	2338	1573	1154
1	Temperature, °C	28	29	29	29	29	27	27	28	29
2	Dissolved Oxygen, mg/l	9.3	8.0	7.7	5.8	6.3	0.5	4.9	6.0	6.3
3	pH	8.1	7.4	7.3	7.3	7.4	6.7	7.3	7.2	7.1
4	Conductivity, µmhos/cm	5150	41	4100	45	43	101	78	671	320
5	BOD, mg/l	4.2	2.5	4.4	2.9	0.1	3.8	2.2	3.4	0.4
6	Nitrate-N, mg/l	0.23	0.02	0.02	0.02	BDL	0.07	BDL	4.85	0.47
7	Turbidity, NTU	0.4	0.4	1.2	1	1.2	10.5	6.8	6.6	0.5
8	Phenolphthalein alkalinity	4.1	BDL	3	BDL	BDL	BDL	BDL	BDL	0.1
9	Total Alkalinity, as CaCO3	70	16	22	12	15	23	23	6	20
10	Chloride, mg/l	1415.9	2.7	1352.2	5	3.9	14.7	9.3	162.2	83.5
11	COD, mg/l	16.0	7.5	13	8.8	4	11.2	6.6	12	4
12	TKN, mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9
13	Ammoniacal-N, mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.52
14	Total Hardness, as CaCO3 mg/l	490	15	450	12	12	21	17	81	98
15	Calcium, as CaCO3 mg/l	140	9	120	7	9	13	14	35	94
16	Magnesium as CaCO3, mg/l	350	6	330	5	3	8	3	46	4
17	Sulphate, mg/l	170	0.5	172.5	0.1	BDL	0.6	0.9	29.5	25
18	Sodium, mg/l	920.3	1.5	878.9	2.7	2.4	9.6	6	105.4	43.5
19	Total Dissolved Solids, mg/l	3200	23	3010	25	24	56	43	410	210
20	Total Fixed Solids, mg/l	2560	18	2408	20	19	45	34	328	168
21	Total Suspended Solids, mg/l	128	10	24	10	8	20	6	10	20
22	Phosphate, mg/l	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
23	Boron, mg/l	0.271	BDL	0.288	BDL	BDL	BDL	BDL	0.01	BDL
24	Potassium, mg/l	7.9	1	7.20	1	1	3	2	5	2.1
25	Fluoride, mg/l	0.115	0.06	0.122	0.052	0.052	0.052	0.05	0.947	0.048
26	Total Coliform, MPN/100 ml	7000	4600	250000	63000	4600	79000	40000	550000	7000
27	Faecal Coliform, MPN/100 ml	430	600	1700	1500	630	1500	1500	7900	110
28	Feecal Streptococci, MPN/100ml	11	21	40	21	24	110	240	NIL	NIL

ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN TIRUR RIVER -APRIL
2026

SI NO	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	FC (cfu/100ml)
1	Drain near Tirur Railway station	7.4	3.6	1.3	8.6	160
2	Thazhepalam drain	6.6	3.1	1.9	8.2	160
3	Naduvilangadi drain (old ponnanithodu)	Dried				
4	Annassery drain	Dried				
5	Canal at CV Land	Dried				
6	Canal at Mangalam thuruth	7.5	3.9	1.4	10.6	60
7	Canal at Pullooni	7.4	3.9	1.5	8.8	20
8	Drain near Mangattiri bridge	Dried				
9	Drain near Ettirikkadavu bridge	7.5	4.8	2.9	8.8	160
10	Epothingal	7.1	5.4	1.8	8.0	240
11	Asarikkadav	Dried				
12	Kandanathkadav	Dried				
13	Pancharamoola	Dried				
14	Kakadav	7.2	5.0	2.1	9.2	180
15	Kanathkadav	7.5	3.6	0.9	10.4	380
16	Drain near tirur railway station	Dried				
17	Payyanangadi (kadayithodu)	Dried				
18	Thalakkadathur	6.9	6.5	2.4	240	160
19	Naduvilangadi	7.8	3.5	1.7	240	80


ASSISTANT SCIENTIST

ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN KADALUNDY RIVER -
APRIL 2026

Sl.No	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	FC (cfu/100 ml)
1	Valiyangadi drain	DRIED				
2	Valiyangadi bypass drain	DRIED				
3	Valiyathod drain	DRIED				
4	Hajiyarpally	6.9	8.1	2.1	16	160
5	Tirurangadi	7.4	6.8	2.6	16	20


ASSISTANT SCIENTIST

POLLUTED RIVER STRETCH MONITORING PROGRAM (APRIL 2026)

STN Code	2326
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Korayar
Sampling Date	08-04-2026
Sampling Time	11.32
Monitoring Location	Kanjikode
Location Details	D/S of town or industrial area
Use of Water in Down Stream	Irrigation, Drinking Water Source, Others
Human Activities around the Station	Bathing, Washing, Cultivation, Cattie Wading
Major Polluting Sources	None
Visible Effluent Discharge	None
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	32
Dissolved O2 (mg/L)	5
pH	6.6
Conductivity (µmho/Cm)	536
BOD (mg/L)	3
Nitrate - N (mg/L)	1
Total Coliform (MPN/100ml)	12000
Fecal Coliform (MPN/100ml)	8200
Fecal Streptococci (MPN/100ml)	80
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	276
Chlorides (mg/L)	129
COD (mg/L)	40
Total Kjeldahl Nitrogen (mg/L)	3
Ammonical N (mg/L)	2.7
Total Hardness (mg/L)	240
Ca as CaCo3 (mg/L)	120
Mg as CaCo3 (mg/L)	120
Sulphate (mg/L)	22.5
Ca++ (mg/L)	48.10
Mg++ (mg/L)	29.16
Sodium (mg/L)	82
Total Dissolved Solids (mg/L)	460
Total Fixed Solids (mg/L)	250
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.09 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	42.4
SAR	2.30
Measured TDS (mg/L)	462
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	-0.02 (True)
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	1.0 (True)
EC Balance (TDS,mg/L) / (EC,µmho/cm)	0.86 (True)
Carbon Balance (COD,mg/L) / (BOD,mg/L)	13.33 (True)
CO-3 balance (pH < 8.3)	True
Class	D

POLLUTED RIVER STRETCH MONITORING PROGRAM (APRIL 2026)

STN Code	3460
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Kalpathy Puzha
Sampling Date	08-04-2026
Sampling Time	10.05
Monitoring Location	Kalpathy
Location Details	PILGRIM CENTER/BATHING GHAT/WATER INTAKE
Use of Water in Down Stream	Irrigation, Bathing Ghat, Drinking Water Source
Human Activities around the Station	Bathing, Washing, Cattie Wading
Major Polluting Sources	Municipal Solid Waste
Visible Effluent Discharge	Municipal sewage
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	33
Dissolved O2 (mg/L)	5.9
pH	7
Conductivity (µmho/Cm)	154
BOD (mg/L)	3.2
Nitrate - N (mg/L)	0.3 (BDL)
Total Coliform (MPN/100ml)	3000
Fecal Coliform (MPN/100ml)	1200
Fecal Streptococci (MPN/100ml)	40
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	90
Chlorides (mg/L)	22
COD (mg/L)	40
Total Kjeldahl Nitrogen (mg/L)	4
Ammonical N (mg/L)	3.1
Total Hardness (mg/L)	80
Ca as CaCo3 (mg/L)	64
Mg as CaCo3 (mg/L)	16
Sulphate (mg/L)	6
Ca++ (mg/L)	25.65
Mg++ (mg/L)	3.888
Sodium (mg/L)	12
Total Dissolved Solids (mg/L)	121
Total Fixed Solids (mg/L)	65
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.08 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	24
SAR	0.59
Measured TDS (mg/L)	122
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	-0.02 (True)
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	0.8 (True)
EC Balance (TDS,mg/L) / (EC,µmho/cm)	0.79 (True)
Carbon Balance (COD,mg/L) / (BOD,mg/L)	12.50 (True)
CO-3 balance (pH < 8.3)	True
Class	D



KERALA STATE POLLUTION CONTROL BOARD

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LIFE

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7/5/26

ANALYSIS REPORT OF RIVER WATER

Report No.	K R O S 6 0 3 2 / 1 to 5	Date:	0 4 0 5 2 0 2 6					
Date of Sample Collection	1 2 0 4 2 0 2 6	Date of receipt of the sample	1 3 0 4 2 0 2 6					
Sampled by:	RL,KKD	Time	Hours: 0 3 : 0 0 PM					
Sampling Method	APHA1060B,a	Sample ID	KL1, KL2, KL3, KL5,& KL6					
Sample container	PC 2.5 L	Sample Lab Code	KROS :6032/1-5					
Source:	KALLAI RIVER WATER	Ref.letter No.	PCBKDDOY Polluted River Sample/2018 Vol. IV, Dated 13.04.2026					
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	Received from:	EE,DO,KKD					
Sample preservation:	Ice box	Period of analysis:	13.04.2026-04.05.2026					
		No. of samples	5					
		Analysed by:	SNS/NSS/PVH/NM					
		Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22nd Ed.)						
Sl no	Parameters	unit	Method No.	SAMPLE ID				
				KL 1	KL 2	KL 3	KL 5	KL 6
1	pH	-	APHA 4500-H ₊ .B	7.91	7.73	7.84	7.25	7.56
2	CONDUCTIVITY	µmhos/cm	APHA 2510B	13390	17840	17910	23500	32800
3	BOD	mg/L	153025 (Part 44)	1	0.4	3.4	1.87	2.27
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O ₂ .C	3.3	2.1	2.3	BDL	1.5
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	22000	15000	21000	200000	100000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	13000	9000	12000	150000	70000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	1000	700	1100	700	800
8	TEMPERATURE	°C	APHA 2550B	27	27	27	27	27

Test method variation: None

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

KL1-KALLAI RIVER AT PALATHUMKANDI BRIDGE,POKKUNNU,KL2-KALLAI RIVER AT KADUPPINI BRIDGE, K.L3- KALLAI RIVER AT MANKAVU BRIDGE, KL5- KALLAI RIVER AT KALLAI BRIDGE & KL6- KALLAI RIVER AT KOTHI BRIDGE, THEKKEPURAM .

[Signature]
Scientist **N.K**
Assistant Scientist