

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

STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2026							
Analysis Report for the month of April - 2026							
Name of River		KARAMANA					
Date and Time of Sample collection		8/4/2026					
Method of analysis							
Sl no.	Parameters	SAMPLE ID					
		Peppara	Aruvikkara	Mangattukadavu	Pallathukadavu	Moonnattumukku	Thiruvallom
1	Temperature (°C)	29.8	29.7	29.9	29.5	30	29.8
2	Dissolved O ₂ (mg/L)	7.3	6.9	5.9	6.4	0.2 (BDL)	0.2 (BDL)
3	pH	6.6	6.5	6.7	6.8	7	7
4	Conductivity (µmho/Cm)	40	56	165	3115	944	2354
5	BOD (mg/L)	0.8 (BDL)	1.1	1.6	1.5	16	12
6	Nitrate - N (mg/L)	0.1 (BDL)	0.5	1.6	8.4	7	4.8
7	Turbidity (NTU)	1.2	3.1	2.6	15	52	42
8	Total Alkalinity (mg/L)	12 (BDL)	16 (BDL)	32	60	132	112
9	Chlorides (mg/L)	12	8	20	860	200	604
10	Ammonical N (mg/L)	0.0 (BDL)	0.3 (BDL)	0.4 (BDL)	2.7	27.8	10.8
11	Total Hardness (mg/L)	12	16	36	364	132	280
12	Ca as CaCO ₃ (mg/L)	8	12	28	128	80	132
13	Mg as CaCO ₃ (mg/L)	4 (BDL)	4 (BDL)	8	236	52	148
14	Sulphate (mg/L)	0.1 (BDL)	1.9 (BDL)	5.1	28.1	7.4	15.7
15	Sodium (mg/L)	6.3	4.8 (BDL)	12.1	450	126.8	324
16	Measured TDS (mg/L)	33	39	92	1750	542	1326
17	Total Phosphate (mg/L)	0.0121 (BDL)	0.0054 (BDL)	0.0341 (BDL)	0.0659 (BDL)	0.2894	0.1603 (BDL)
18	Boron (mg/L)	0 (BDL)	0 (BDL)	0.00 (BDL)	0.02 (BDL)	0.24 (BDL)	0.32 (BDL)
19	Potassium (mg/L)	2.1	3.8	6.3	154	52.6	125.6
20	Total Coliform (MPN/100ml)	170	420	1500	3200	23000	12000
21	Fecal Coliform (MPN/100ml)	20	100	700	1700	17000	9400
22	SAR	0.78	0.52	0.88	10.25	4.8	8.44


 ASSISTANT ENVIRONMENTAL SCIENTIST

STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2026							
Analysis Report for the month of May - 2026							
Name of River		KARAMANA					
Date and Time of Sample collection		8/5/2026					
Method of analysis							
Sl no.	Parameters	SAMPLE ID					
		Peppara	Aruvikkara	Mangattukadavu	Pallathukadavu	Thiruvallom	Moonnattumukku
1	Temperature (°C)	29.5	29	29.6	29.6	29.7	29.4
2	Dissolved O2 (mg/L)	7	6.2	6.4	6.4	0.2 (BDL)	0 (BDL)
3	pH	6.5	6.6	6.5	6.9	6.8	6.7
4	Conductivity (µmho/Cm)	48	56	133	1306	4299	1138
5	BOD (mg/L)	0.9 (BDL)	1.2	1.4	2.1	16	19.6
6	Nitrate - N (mg/L)	0.0 (BDL)	0.2 (BDL)	2.9	5	7.4	6.6
7	Turbidity (NTU)	1.4	3.4	3.8	8.7	42	56
8	Total Alkalinity (mg/L)	16 (BDL)	20 (BDL)	32	56	112	132
9	Chlorides (mg/L)	12	12	16	332	1260	240
10	Ammonical N (mg/L)	0.0 (BDL)	0.1 (BDL)	0.2 (BDL)	1.7	9.6	22.5
11	Total Hardness (mg/L)	12	12	40	160	392	148
12	Ca as CaCo3 (mg/L)	8	8	28	60	100	80
13	Mg as CaCo3 (mg/L)	4 (BDL)	4 (BDL)	12	100	292	68
14	Sulphate (mg/L)	1.0 (BDL)	1.9 (BDL)	2.9 (BDL)	2.7 (BDL)	19.6	6.6
15	Sodium (mg/L)	6.8	7.1	8.8	173	674	125
16	Measured TDS (mg/L)	36	44	84.2	780	2803	703
17	Total Phosphate (mg/L)	0.0174 (BDL)	0.0476 (BDL)	0.0494 (BDL)	0.0797 (BDL)	0.5377	0.3526
18	Boron (mg/L)	0 (BDL)	0 (BDL)	0 (BDL)	0.06 (BDL)	0.37 (BDL)	0.25 (BDL)
19	Potassium (mg/L)	2.5	4.9	5.1	56	240	88
20	Total Coliform (MPN/100ml)	200	480	1200	2600	15000	36000
21	Fecal Coliform (MPN/100ml)	15	84	550	1100	8300	17000
22	SAR	0.85	0.88	0.61	5.97	14.81	4.46


 01/06/2026
 ASSISTANT ENVIRONMENTAL SCIENTIST

ANALYSIS REPORT OF RIVERS INCLUDED IN THE LIST OF PRS-2022 FOR THE MONTH OF MAY 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	29.5	29.8	29	29.4	29.8	29.8	29.6
2	Dissolved Oxygen, mg/l	6	6.1	6.2	0 (BDL)	6	5	5.4
3	pH	6.9	6.8	6.6	6.7	7.2	6.4	6.6
4	Conductivity, µmhos/cm	107	122	56	1138	263	162	98
5	BOD, mg/l	0.7 (BDL)	0.6 (BDL)	1.2	19.6	1.2	1.3	1.1
6	Nitrate-N, mg/l	1.8	2.9	0.2 (BDL)	6.6	2.1	2.4	1.8
7	Turbidity, NTU	2	2.6	3.4	56	3.2	3.6	2.8
8	Phenolphthalein Alkalinity, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)
9	Total Alkalinity, mg/l	32	24	20 (BDL)	132	40	24	24
10	Chloride, mg/l	16	20	12	240	36	28	20
11	COD, mg/l	4 (BDL)	4 (BDL)	4 (BDL)	64	4 (BDL)	4 (BDL)	4 (BDL)
12	TKN, mg/l	1.12 (BDL)	2.24	0.28 (BDL)	42.56	2.8	1.12	1.68
13	Ammoniacal-N, mg/l	0.0 (BDL)	0.1 (BDL)	0.1 (BDL)	22.5	0.2 (BDL)	0.3 (BDL)	0.4 (BDL)
14	Hardness as CaCO ₃ , mg/l	40	28	12	148	40	28	20
15	Calcium as CaCO ₃ , mg/l	28	16	8	80	32	12	16
16	Magnesium as CaCO ₃ , mg/l	12	12	4 (BDL)	68	8	16	4 (BDL)
17	Sulphate, mg/l	2.4 (BDL)	2.0 (BDL)	1.9 (BDL)	6.6	14.8	2.0 (BDL)	1.2 (BDL)
18	Calcium (Ca ²⁺), mg/l	11.22	6.41	3.21	32.06	12.83	4.81	6.41
19	Magnesium (Mg ²⁺), mg/l	2.916	2.916	0.972	16.524	1.944	3.888	0.972
20	Sodium, mg/l	8.1	12.3	7.1	125	20.3	16.2	12.5
21	Total Dissolved Solids, mg/l	72	78	44	703	146	92	70
22	Total Fixed Solids, mg/l	54	60	32	583	116	71	52
23	Total Suspended Solids, mg/l	9 (BDL)	14	12	292	20	24	12
24	Phosphate, mg/l	0.1145 (BDL)	0.0348 (BDL)	0.0476 (BDL)	0.3526	0.0216 (BDL)	0.0091 (BDL)	0.0283 (BDL)
25	Boron, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0.25 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)
26	Potassium, mg/l	3.2	5.8	4.9	88	9.6	10.5	4.3
27	Fluoride, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0.3	0 (BDL)	0 (BDL)	0 (BDL)
28	Total Coliform, MPN/100 ml	700	680	480	36000	2000	2000	920
29	Fecal Coliform, MPN/100 ml	90	200	84	17000	480	700	200
30	Fecal Streptococcus, MPN/100 ml	0 (BDL)	0 (BDL)	0 (BDL)	44	0 (BDL)	0 (BDL)	0 (BDL)
31	% SODIUM	28.6	43	45.8	51.1	45.8	46	51.6
32	SAR	0.56	1.01	0.88	4.46	1.40	1.33	1.21

Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (May-2026)

SL.N o	Name of Drain	Parameters														
		pH			Electrical Conductivity(µS/cm)			BOD(mg/l)			TC(Nos/100ml)			FC		
	Months	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY
1	Parumala Drain	NIL	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	NIL
3	Kuriyathkadavu Thodu	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	KaruvelilThodu	6.95	7.79	7.26	117.6	32.96	112.8	2.7	3	0.1	1200	1600	1800	1000	1000	1000
5	Nochithodu	6.91	7.6	7.21	100.8	45.45	39.44	2.7	1.6	1.1	1200	900	800	1000	700	200
6	Pattaparambil Thodu	6.87	7.42	7.25	122.3	96.45	82.17	2.5	1.9	0.3	600	1800	1600	400	900	900
7	Kappiyarissery Thodu	6.55	6.66	7.01	169.8	330.8	79.67	2.4	3	1.8	600	1000	1000	300	500	8000
8	Kombankery Thodu	7.11	7.22	7.26	181.3	122.3	43.19	1.4	2.4	0.1	1200	1200	1100	900	900	900
9	Perackalthodu	7.08	7.11	7.18	231.7	164.4	88.16	0.7	2.4	1.6	500	200	300	400	100	100
10	Erathodu	6.54	7.04	7.17	229	215.9	102.8	1.4	0.4	1.8	600	1500	1200	400	900	1000
11	Kolarayaru	6.81	7.39	7.34	49.6	30.01	34.74	0.6	0.8	1.2	200	800	800	100	300	200

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES MAY-2026**DISTRICT OFFICE, PATHANAMTHITTA****Date of Sampling: 2.05.2026**

Sl. No	PARAMETERS	THAKAZHY	EDATHUA	MANNAR
1	Temperature, °C	27	27	27
2	pH	6.9	6.8	6.5
3	Conductivity, µmhos/cm	1225	116	70
4	Turbidity, NTU	1	1	1
5	Phenolphthalein Alkalinity, as CaCO ₃	Nil	Nil	Nil
6	Total Alkalinity, as CaCO ₃	160	26	22
7	Chloride, mg/l	610	35	12
8	COD, mg/l	5.0	5	5.0
9	TKN, mg/l	NIL	NIL	NIL
10	Ammoniacal-N, mg/l	BDL	BDL	BDL
11	Hardness, as CaCO ₃ mg/l	430	30	24
12	Calcium, as CaCO ₃ mg/l	280	26	20
13	Magnesium as CaCO ₃ , mg/l	150	4	4
14	Sulphate, mg/l	20	6.8	5.0
15	Sodium, mg/l	306	18	6.8
16	Total Dissolved Solids, mg/l	1080	98	55
17	Total Fixed Solids, mg/l	190	29	19
18	Total Suspended Solids, mg/l	610	43	28
19	Phosphate, mg/l	BDL	BDL	BDL
20	Boron, mg/l	BDL	BDL	BDL
21	Potassium, mg/l	48	3.2	2.0
22	BOD, mg/l	1.0	1.9	1.3
23	Fluoride, mg/l	BDL	BDL	BDL
24	Dissolved Oxygen, mg/l	4.4	5.8	5.9
25	Nitrate-N, mg/l	3.9	3.0	2.0
26	Total Coliform, CFU/100 ml	15000	9000	5500
27	Faecal Coliform, CFU/100 ml	9400	3500	3400
28	SAR	6.4	1.4	0.6
29	% of sodium	57.5	53.4	35.7
30	Faecal Strepto Coccus, CFU/100 ml	2250	1000	250

Dhanya T P

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

SI NO	BOTTLE NO.	Name of Drains	PH	BOD	TC	FC
1	TK1	Panayampalathodu	6.14	1.2	8000	3000
2	TK2	PadathupalamThodu	6.76	0.5	3000	800
3	TK3	Thottappuzha	7.06	0.1	3000	750
4	TK4	Kuttapuzha under Kattodubridge	6.72	0.1	3500	800
5	TK5	Kadavumbara	6.72	0.3	3200	700
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	6.76	0.3	3000	600
8	TK8	Komalamthodu	6.69	2.4	2100	700
9	TK9	Vennikulam Valiyathodu	6.74	1.5	1000	800
10	TK10	Paduthodu	6.82	1.8	2100	700
11	TK11	Mallappally Valiyathodu	6.71	0.2	1200	600

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: VETTUKADAVU

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	34.1	34.7
2	pH		6.70	6.9
3	Conductivity	µS/cm	4477	2048
4	TDS	NTU	2591.29	1185.38
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.42	0.66
8	Chlorides	"	1290.74	695.02
9	Hardness	"	800	200
10	D.O.	"	4	3.4
11	COD	"	2.04	2.08
12	Calcium	"	160	40
13	Magnesium	"	97.2	24.3
14	Ammoniacal Nitrogen	"	0.332	BDL
15	Free Ammonia	"	0.00166	BDL
16	Phosphates		0.245	0.179
17	Hexa Chromium	"	0.041	0.046
18	Oil & Grease	"	3.6	1.24
19	Iron	"	0.274	0.297
20	Sulphides	"	BDL	BDL
21	Sulphates	"	25.156	32.5
23	Nitrate	"	1.075	0.071
22	Total Alkalinity	"	36	26
24	BOD	"	1.3	0.9
25	TC	"	400	1280
26	FC	"	360	220
27	FS	"	240	80
28	Sodium	ppm	29.3	12.2
29	Potassium	ppm	8.2	3.6
30	SAR	meq/L	0.446	0.371

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: PATHALAM BRIDGE

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	33.6	34.5
2	pH		7.1	7.1
3	Conductivity	µS/cm	90.13	67.61
4	TDS	NTU	52.17	39.13
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.86	0.66
8	Chlorides	"	12	12
9	Hardness	"	15	13
10	D.O.	"	6	4.4
11	COD	"	1.24	2.18
12	Calcium	"	5.6	4.8
13	Magnesium	"	0.242	0.243
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.151	0.165
17	Hexa Chromium	"	0.041	0.045
18	Oil & Grease	"	3.6	1.06
19	Iron	"	0.274	0.386
20	Sulphides	"	BDL	BDL
21	Sulphates	"	1.25	1.406
23	Nitrate	"	0.986	BDL
22	Total Alkalinity	"	22	16
24	BOD	"	1.9	1
25	TC	"	1060	540
26	FC	"	440	420
27	FS	"	160	60
28	Sodium	ppm	0	0
29	Potassium	ppm	0.44	0.32
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: PUTHALAM KADAVU

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	34.1	34.5
2	pH		6.92	6.9
3	Conductivity	µS/cm	77.70	65
4	TDS	NTU	44.97	37.59
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	1.24	0.82
8	Chlorides	"	11.91	13
9	Hardness	"	12	12
10	D.O.	"	4.9	3.9
11	COD	"	2.84	3.28
12	Calcium	"	3.6	4.4
13	Magnesium	"	0.729	0.243
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.174	0.222
17	Hexa Chromium	"	0.042	0.051
18	Oil & Grease	"	0.82	0.68
19	Iron	"	0.293	0.41
20	Sulphides	"	BDL	BDL
21	Sulphates	"	1.25	1.719
23	Nitrate	"	1.057	0.035
22	Total Alkalinity	"	18	18
24	BOD	"	1.8	0.8
25	TC	"	200	180
26	FC	"	100	180
27	FS	"	220	0
28	Sodium	ppm	0	0
29	Potassium	ppm	0.44	0.44
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: PATHALAM BUND U/S

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	B	B
2	pH		U	U
3	Conductivity	µS/cm	N	N
4	TDS	NTU	D	D
5	Turbidity	mg/L		
6	Colour	"	O	O
7	SS	"	P	P
8	Chlorides	"	E	E
9	Hardness	"	N	N
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
23	Nitrate	"		
22	Total Alkalinity	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: PATHALAM BUND D/S

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	34.2	34.8
2	pH		6.72	7.0
3	Conductivity	µS/cm	1238	3246
4	TDS	NTU	716.55	1878.78
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	2.2	1.6
8	Chlorides	"	595.728	1092.168
9	Hardness	"	600	400
10	D.O.	"	5.5	3.7
11	COD	"	3.28	3.24
12	Calcium	"	160	40
13	Magnesium	"	48.6	72.9
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.184	0.222
17	Hexa Chromium	"	0.044	0.05
18	Oil & Grease	"	0.72	1.4
19	Iron	"	0.227	0.34
20	Sulphides	"	BDL	BDL
21	Sulphates	"	7.188	24.688
23	Nitrate	"	1.022	BDL
22	Total Alkalinity	"	24	26
24	BOD	"	2.4	1.6
25	TC	"	400	100
26	FC	"	200	60
27	FS	"	500	100
28	Sodium	ppm	12.4	6.2
29	Potassium	ppm	2.2	1.2
30	SAR	meq/L	0.218	0.133

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: MANJUMMAL BUND

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	34.2	35.2
2	pH		6.90	7.0
3	Conductivity	µS/cm	96.41	86
4	TDS	NTU	55.80	50.06
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.48	1.24
8	Chlorides	"	9.93	16.88
9	Hardness	"	15	18
10	D.O.	"	5	3.6
11	COD	"	2.18	1.84
12	Calcium	"	4.8	5.2
13	Magnesium	"	0.729	1.215
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.155	0.151
17	Hexa Chromium	"	0.044	0.045
18	Oil & Grease	"	0.88	0.82
19	Iron	"	0.33	0.344
20	Sulphides	"	BDL	BDL
21	Sulphates	"	1.25	2.969
23	Nitrate	"	1.057	BDL
22	Total Alkalinity	"	22	18
24	BOD	"	1.8	1.2
25	TC	"	1660	0
26	FC	"	760	0
27	FS	"	240	120
28	Sodium	ppm	0	0
29	Potassium	ppm	0.46	0.62
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -APRIL 2026
Sampling point: ALUVA - MANAPPURAM

Sl. No	Parameter	Unit	05.04.2026	25.04.2026
1	Temperature	°c	34.2	34.5
2	pH		6.9	6.04
3	Conductivity	µS/cm	83.34	170.8
4	TDS	NTU	48.24	98.86
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.42	0.88
8	Chlorides	"	11.91	10.92
9	Hardness	"	14	16
10	D.O.	"	6.9	4.1
11	COD	"	2.18	1.84
12	Calcium	"	4.8	5.6
13	Magnesium	"	0.486	0.486
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.136	0.136
17	Hexa Chromium	"	0.044	0.044
18	Oil & Grease	"	0.82	0.62
19	Iron	"	0.307	0.269
20	Sulphides	"	BDL	BDL
21	Sulphates	"	0.938	3.281
22	Total Alkalinity	"	22	20
23	Nitrate	"	0.95	0.43
24	BOD	"	2	1.7
25	TC	"	1680	1300
26	FC	"	580	380
27	FS	"	40	180
28	Sodium	ppm	0	0
29	Potassium	ppm	0.46	0.36
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: VETTUKADAVU

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	33.5	32.2
2	pH		6.71	7.2
3	Conductivity	µS/cm	6064.00	475
4	TDS	NTU	3509.84	274.99
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.62	0.98
8	Chlorides	"	1787.18	119.15
9	Hardness	"	700	60
10	D.O.	"	2.5	3.75
11	COD	"	2.04	2.04
12	Calcium	"	40	20
13	Magnesium	"	145.8	2.43
14	Ammoniacal Nitrogen	"	0.718	1.282
15	Free Ammonia	"	0.0036	0.01282
16	Phosphates		1.212	0.174
17	Hexa Chromium	"	0.051	0.049
18	Oil & Grease	"	1.48	4.2
19	Iron	"	0.471	0.597
20	Sulphides	"	BDL	BDL
21	Sulphates	"	68.125	8.75
23	Nitrate	"	0.394	0.538
22	Total Alkalinity	"	36	24
24	BOD	"	2.11	1.85
25	TC	"	200	460
26	FC	"	140	200
27	FS	"	80	580
28	Sodium	ppm	0.8	2
29	Potassium	ppm	0.52	0.6
30	SAR	meq/L	0.014	0.111

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: PATHALAM BRIDGE

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	32.8	32.3
2	pH		6.9	7.2
3	Conductivity	µS/cm	58.44	68.35
4	TDS	NTU	33.83	39.56
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.62	0.66
8	Chlorides	"	11.91	8.94
9	Hardness	"	14	17
10	D.O.	"	4.4	4.7
11	COD	"	2.04	1.28
12	Calcium	"	4.4	5.2
13	Magnesium	"	0.729	0.972
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.283	0.146
17	Hexa Chromium	"	0.046	0.049
18	Oil & Grease	"	1.84	2.8
19	Iron	"	0.382	0.602
20	Sulphides	"	BDL	BDL
21	Sulphates	"	2.188	2.66
23	Nitrate	"	BDL	0.538
22	Total Alkalinity	"	16	22
24	BOD	"	1.04	1.68
25	TC	"	80	80
26	FC	"	40	280
27	FS	"	80	520
28	Sodium	ppm	0	0
29	Potassium	ppm	0.3	0.27
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: PUTHALAM KADAVU

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	33.0	32.2
2	pH		6.86	7.2
3	Conductivity	µS/cm	56.26	82
4	TDS	NTU	32.56	47.24
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.28	0.24
8	Chlorides	"	11.91	9.93
9	Hardness	"	14	18
10	D.O.	"	3.62	3.64
11	COD	"	4	2
12	Calcium	"	4.4	6
13	Magnesium	"	0.729	0.729
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.165	0.151
17	Hexa Chromium	"	0.048	0.046
18	Oil & Grease	"	0.84	2
19	Iron	"	0.419	0.696
20	Sulphides	"	BDL	BDL
21	Sulphates	"	1.563	3.91
23	Nitrate	"	0.108	0.484
22	Total Alkalinity	"	14	30
24	BOD	"	0.71	2.07
25	TC	"	0	400
26	FC	"	0	240
27	FS	"	40	440
28	Sodium	ppm	0	0
29	Potassium	ppm	0.28	0.29
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: PATHALAM BUND U/S

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	B	B
2	pH		U	U
3	Conductivity	µS/cm	N	N
4	TDS	NTU	D	D
5	Turbidity	mg/L		
6	Colour	"	O	O
7	SS	"	P	P
8	Chlorides	"	E	E
9	Hardness	"	N	N
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
23	Nitrate	"		
22	Total Alkalinity	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026

Sampling point: PATHALAM BUND D/S

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	33.0	32.2
2	pH		6.92	7.1
3	Conductivity	µS/cm	3493	191.8
4	TDS	NTU	2021.75	111.01
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"	0.82	0.60
8	Chlorides	"	992.9	42
9	Hardness	"	800	19
10	D.O.	"	3.2	4.5
11	COD	"	4.24	2.24
12	Calcium	"	40	4
13	Magnesium	"	170.1	2.187
14	Ammoniacal Nitrogen	"	0.158	BDL
15	Free Ammonia	"	0.001264	BDL
16	Phosphates		0.174	0.146
17	Hexa Chromium	"	0.046	0.046
18	Oil & Grease	"	2.16	2.8
19	Iron	"	0.443	0.602
20	Sulphides	"	BDL	BDL
21	Sulphates	"	54.531	6.72
23	Nitrate	"	0.233	0.394
22	Total Alkalinity	"	20	22
24	BOD	"	0.5	1.53
25	TC	"	400	200
26	FC	"	220	140
27	FS	"	40	620
28	Sodium	ppm	0.62	0.5
29	Potassium	ppm	0.4	0.28
30	SAR	meq/L	0.009	0.049

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: MANJUMMAL BUND

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	33.0	32.4
2	pH		6.58	7.0
3	Conductivity	µS/cm	84.93	95
4	TDS	NTU	49.16	54.77
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.80	1.24
8	Chlorides	"	10.9	12
9	Hardness	"	19	25
10	D.O.	"	3.46	3.36
11	COD	"	2.4	1.08
12	Calcium	"	4.4	8
13	Magnesium	"	1.944	1.215
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.141	0.16
17	Hexa Chromium	"	0.046	0.046
18	Oil & Grease	"	0.8	4.02
19	Iron	"	0.564	0.93
20	Sulphides	"	BDL	BDL
21	Sulphates	"	2.813	5.47
23	Nitrate	"	0.108	0.771
22	Total Alkalinity	"	16	24
24	BOD	"	0.32	2.13
25	TC	"	400	480
26	FC	"	40	220
27	FS	"	0	800
28	Sodium	ppm	0	0
29	Potassium	ppm	0.22	0.43
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

KERALA STATE POLLUTION CONTROL BOARD
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR
ANALYSIS REPORT OF RIVER PERIYAR -MAY 2026
Sampling point: ALUVA - MANAPPURAM

Sl. No	Parameter	Unit	05.05.2026	25.05.2026
1	Temperature	°c	33	32.3
2	pH		6.8	7.07
3	Conductivity	µS/cm	52.41	64
4	TDS	NTU	30.33	37.04
5	Turbidity	mg/L	*	*
6	Colour	"	20	20
7	SS	"	0.64	1.06
8	Chlorides	"	1.99	7.94
9	Hardness	"	13	22
10	D.O.	"	4.53	4.48
11	COD	"	2.8	2
12	Calcium	"	4	4.8
13	Magnesium	"	0.729	2.43
14	Ammoniacal Nitrogen	"	BDL	BDL
15	Free Ammonia	"	BDL	BDL
16	Phosphates		0.155	0.16
17	Hexa Chromium	"	0.044	0.045
18	Oil & Grease	"	0.08	1.8
19	Iron	"	0.616	0.639
20	Sulphides	"	BDL	BDL
21	Sulphates	"	2.031	2.81
22	Total Alkalinity	"	14	20
23	Nitrate	"	BDL	0.878
24	BOD	"	0.5	0.22
25	TC	"	360	320
26	FC	"	0	240
27	FS	"	80	720
28	Sodium	ppm	0	0
29	Potassium	ppm	0.28	0.27
30	SAR	meq/L	0	0

* TURBIDITY METER IS OUT OF ORDER

POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)

STN Code	PR-1
State	Kerala
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	Tributary
Waterbody Name	Kalpathypuzha
Frequency of Monitoring	Monthly
Sampling Date	07-05-2026
Sampling Time	10.06 AM
Monitoring Location	Kalpathypuzha at Pezhumkara Bridge (Downstream)
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, Cattle wading, Others
Major Polluting Sources	Municipal Solid Waste, Plastic Waste
Visible Effluent Discharge	Municipal Sewage
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes (Floating algae , Water Hyacinth)
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	29
Dissolved O2 (mg/L)	5.9
pH	7.1
Conductivity (µmho/Cm)	196
BOD (mg/L)	3.9
Nitrate - N (mg/L)	1.6
Total Coliform (MPN/100ml)	10000
Fecal Coliform (MPN/100ml)	2000
Fecal Streptococci (MPN/100ml)	60
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	54
Chlorides (mg/L)	19
Ammonical N (mg/L)	2.4
Total Hardness (mg/L)	66
Ca as CaCo3 (mg/L)	30
Mg as CaCo3 (mg/L)	36
Sulphate (mg/L)	10
Ca++ (mg/L)	12.02
Mg++ (mg/L)	8.748
Sodium (mg/L)	10
Total Dissolved Solids (mg/L)	108
Total Phosphate (mg/L)	0.12
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	1 (BDL)
Sodium Percentage (%)	24.4
SAR	0.54

POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)

STN Code	PR-2
State	Kerala
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	Tributary
Waterbody Name	Kalpathypuzha
Frequency of Monitoring	Monthly
Sampling Date	07-05-2026
Sampling Time	10.47 AM
Monitoring Location	Kalpathypuzha at Mukkai Causeway (Upstream)
Location Details	Pilgrim Center, Bathing Ghat/ Water intake
Use of Water in Down Stream	Irrigation, Drinking water source, Others
Human Activities around the Station	Bathing, Washing, Cattle wading, Others
Major Polluting Sources	Others
Visible Effluent Discharge	None
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes(Floating algae , Water Hyacinth)
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	30
Dissolved O2 (mg/L)	4.2
pH	7.2
Conductivity (µmho/Cm)	110
BOD (mg/L)	3.1
Nitrate - N (mg/L)	0.4
Total Coliform (MPN/100ml)	2000
Fecal Coliform (MPN/100ml)	1500
Fecal Streptococci (MPN/100ml)	80
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	46
Chlorides (mg/L)	7
Ammonical N (mg/L)	2.4
Total Hardness (mg/L)	44
Ca as CaCo3 (mg/L)	40
Mg as CaCo3 (mg/L)	4
Sulphate (mg/L)	4
Ca++ (mg/L)	16.03
Mg++ (mg/L)	0.972
Sodium (mg/L)	4 (BDL)
Total Dissolved Solids (mg/L)	65
Total Phosphate (mg/L)	0.04
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	1 (BDL)
Sodium Percentage (%)	16.1
SAR	0.26

POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)

STN Code	PR-3
State	Kerala
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	Tributary
Waterbody Name	Korayar
Frequency of Monitoring	Monthly
Sampling Date	07-05-2026
Sampling Time	12.21 PM
Monitoring Location	Korayar at Menonpara Bridge (Upstream)
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, Cattle wading, Others
Major Polluting Sources	Others
Visible Effluent Discharge	None
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes(Floating algae , Water Hyacinth)
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	30
Dissolved O2 (mg/L)	5.6
pH	8.1
Conductivity (µmho/Cm)	1381
BOD (mg/L)	4.4
Nitrate - N (mg/L)	0.4
Total Coliform (MPN/100ml)	3200
Fecal Coliform (MPN/100ml)	2800
Fecal Streptococci (MPN/100ml)	100
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	466
Chlorides (mg/L)	188
Ammonical N (mg/L)	2.8
Total Hardness (mg/L)	420
Ca as CaCo3 (mg/L)	102
Mg as CaCo3 (mg/L)	318
Sulphate (mg/L)	51
Ca++ (mg/L)	40.88
Mg++ (mg/L)	77.274
Sodium (mg/L)	90
Total Dissolved Solids (mg/L)	791
Total Phosphate (mg/L)	0.13
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Sodium Percentage (%)	31.7
SAR	1.91

POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)

STN Code	PR-4
State	Kerala
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	Tributary
Waterbody Name	Korayar
Frequency of Monitoring	Monthly
Sampling Date	07-05-2026
Sampling Time	11.42 AM
Monitoring Location	Korayar at Naragampilly (Downstream)
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, Cattle wading, Others
Major Polluting Sources	Others
Visible Effluent Discharge	None
Weather	Clear
Approxdepth (m)	Greater than 100 cm
Floating Matter	Not Analyzed (No Water Flow)
Colour	
Odour	
Flow (In MLD)	
Temperature (°C)	
Dissolved O2 (mg/L)	
pH	
Conductivity (µmho/Cm)	
BOD (mg/L)	
Nitrate - N (mg/L)	
Total Coliform (MPN/100ml)	
Fecal Coliform (MPN/100ml)	
Fecal Streptococci (MPN/100ml)	
Turbidity (NTU)	
Phenolphthalein Alkalinity (mg/L)	
Total Alkalinity (mg/L)	
Chlorides (mg/L)	
Ammonical N (mg/L)	
Total Hardness (mg/L)	
Ca as CaCo3 (mg/L)	
Mg as CaCo3 (mg/L)	
Sulphate (mg/L)	
Ca++ (mg/L)	
Mg++ (mg/L)	
Sodium (mg/L)	
Total Dissolved Solids (mg/L)	
Total Phosphate (mg/L)	
Boron (mg/L)	
Potassium (mg/L)	
Sodium Percentage (%)	
SAR	

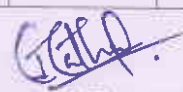
POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)	
STN Code	2326
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Korayar
Sampling Date	07-05-2026
Sampling Time	11.48
Monitoring Location	Kanjikode
Location Details	D/S of town or industrial area
Use of Water in 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	No
Colour	Not Analyzed (No Water Flow)
Odour	
Flow (In MLD)	
Temperature (°C)	
Dissolved O2 (mg/L)	
pH	
Conductivity (µmho/Cm)	
BOD (mg/L)	
Nitrate - N (mg/L)	
Total Coliform (MPN/100ml)	
Fecal Coliform (MPN/100ml)	
Fecal Streptococci (MPN/100ml)	
Turbidity (NTU)	
Phenolphthalein Alkalinity (mg/L)	
Total Alkalinity (mg/L)	
Chlorides (mg/L)	
COD (mg/L)	
Total Kjeldahl Nitrogen (mg/L)	
Ammonical N (mg/L)	
Total Hardness (mg/L)	
Ca as CaCo3 (mg/L)	
Mg as CaCo3 (mg/L)	
Sulphate (mg/L)	
Ca++ (mg/L)	
Mg++ (mg/L)	
Sodium (mg/L)	
Total Dissolved Solids (mg/L)	
Total Fixed Solids (mg/L)	
Total Suspended Solids (mg/L)	
Total Phosphate (mg/L)	
Boron (mg/L)	
Potassium (mg/L)	
Fluoride (mg/L)	
Sodium Percentage (%)	
SAR	
Measured TDS (mg/L)	
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	
EC Balance (TDS,mg/L) / (EC,µmho/cm)	
Carbon Balance (COD,mg/L) / (BOD,mg/L)	
CO-3 balance (pH < 8.3)	
Class	

POLLUTED RIVER STRETCH MONITORING PROGRAM (MAY 2026)

STN Code	3460
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Kalpathy Puzha
Sampling Date	07-05-2026
Sampling Time	10.34
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)	30
Dissolved O2 (mg/L)	6.6
pH	6.9
Conductivity (µmho/Cm)	158
BOD (mg/L)	3.2
Nitrate - N (mg/L)	0.7
Total Coliform (MPN/100ml)	800
Fecal Coliform (MPN/100ml)	300
Fecal Streptococci (MPN/100ml)	20
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	Not Analyzed
Total Alkalinity (mg/L)	50
Chlorides (mg/L)	19
COD (mg/L)	45
Total Kjeldahl Nitrogen (mg/L)	3
Ammonical N (mg/L)	2.4
Total Hardness (mg/L)	42
Ca as CaCo3 (mg/L)	32
Mg as CaCo3 (mg/L)	10
Sulphate (mg/L)	2.7 (BDL)
Ca++ (mg/L)	12.83
Mg++ (mg/L)	2.43
Sodium (mg/L)	12
Total Dissolved Solids (mg/L)	81
Total Fixed Solids (mg/L)	45
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.06 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	1 (BDL)
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	37.6
SAR	0.80
Measured TDS (mg/L)	89
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	-0.03 (True)
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	1.0 (True)
EC Balance (TDS,mg/L) / (EC,µmho/cm)	0.56 (True)
Carbon Balance (COD,mg/L) / (BOD,mg/L)	14.06 (True)
CO-3 balance (pH < 8.3)	True
Class	D

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/)	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 ponnaniyodu)	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 (kadayiyodu)	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



KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

കോഴിക്കോട് റീജിയണൽ ഓഫീസ്
REGIONAL OFFICE, KOZHIKODE



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

3rd FLOOR, ZAMORIN'S SQUARE, LIAISON ROAD, KOZHIKODE - 673 002

ANALYSIS REPORT OF RIVER WATER

Report No.	K R O S 6 0 4 0 / 1 to 5	Date:	0 8 0 6 2 0 2 6					
Date of Sample Collection	0 1 0 5 2 0 2 6	Date of receipt of the sample	0 6 0 5 2 0 2 6					
		Time	Hours: 0 4 : 0 0 PM					
Sampled by:	DO ,KKD	Sample ID	KL1, KL2, KL3, KL5,& KL6					
Sampling Method	APHA1060B,a	Sample Lab Code	KROS :6040/1-5					
Sample container	PC 2.5 L	Ref.letter No.	PCB/KKD/DO/ Polluted River Stretch/2018 Vol. IV, Dated 06.05.2026					
Source:	KALLAI RIVER WATER	Received from:	EE,DO,KKD					
		Period of analysis:	06.05.2026-08.06.2026					
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	No. of samples	5					
		Analysed by:	SNS/NSS/PVH/NM					
Sample preservation:	Ice box	Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22 nd 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	8.1	7.65	7.73	8.33	8.04
2	CONDUCTIVITY	µmhos /cm	APHA 2510B	19800	19080	22200	46200	24600
3	BOD	mg/L	IS3025 (Part 44)	5.93	5.73	3.73	2.53	6.53
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O,C	5.5	1.3	2.4	5.6	5.9
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	1000000	22000	24000	40000	14000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	30000	11000	14000	20000	8000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	1900	110	190	1000	460
8	TEMPERATURE	°C	APHA 2550B	27	27	27	27	28

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 .

Scientist in charge
ASHNA. N.K
Assistant Scientist.

UPPALA AR MAY 2026

STN Code	State	District	River Basin	Monitoring Location	Location Details	Use of Water in Down Stream	Human Activities around the Station	Use Based Class	Weather
2306	Kerala	Kasaragod	Uppala	Uppala Bridge	D/S of town or industrial area	Irrigation, Cultivation, Fishing	Washing, Cultivation, Fishing	C-Drinking water source after conventional treatment and disinfection	Clear

Approxdepth (m)	Colour	Temperature (°C)	Dissolved O2 (mg/L)	pH	Conductivity (µmho/Cm)	BOD (mg/L)	Nitrate - N (mg/L)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100 ml)
Greater than 100 cm	Clear	31	4.1	7.1	48600	3	0.3 (BDL)	640	230

Fecal Streptococci (MPN/100ml)	Total Alkalinity (mg/L)	Chlorides (mg/L)	COD (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Ammonical N (mg/L)	Total Hardness (mg/L)	Ca as CaCo3 (mg/L)	Mg as CaCo3 (mg/L)	Sulphate (mg/L)
30	63	19800	9.2	Not Analyzed	0.0 (BDL)	7300	1200	6100	512

Ca++ (mg/L)	Mg++ (mg/L)	Sodium (mg/L)	Total Dissolved Solids (mg/L)	Total Fixed Solids (mg/L)	Total Suspended Solids (mg/L)	Total Phosphate (mg/L)	Boron (mg/L)	Potassium (mg/L)	Fluoride (mg/L)
480.96	1482.3	11526	33791	31104	127	0.021 (BDL)	0.45 (BDL)	462	0.51

Sodium Percentage (%)	SAR	DL Verification	Measured TDS (mg/L)	DBU Class For Coastal and Marine	Ion Balance ((Total Cations)-(Total Anions) / ((Total Cations)+(Total Anions)))	EC Balance (TDS,mg/L) / (EC,µmho/cm)	Carbon Balance (COD,mg/L) / (BOD,mg/L)	CO-3 balance (pH < 8.3)	Class
76.1	58.71	true	38880		0.07 (True)	0.80 (True)	3.07 (True)	True	C

PULLUR AR MAY 2026

STN Code	State	District	River Basin	Monitoring Location	Location Details	Use of Water in Down Stream	Human Activities around the Station	Use Based Class	Major Polluting Sources
2303	Kerala	Kasaragod	Pullur	Pullur Bridge	D/S of town or industrial area				

Visible Effluent Discharge	Weather	Approxdepth (m)	Floating Matter	Colour	Odour	Flow (In MLD)	Sodium Percentage (%)	SAR	Any Other General Parameters
									River Dry/ Stagnant- No sampling done

Inlet / Outlet	DL Verification	Measured TDS (mg/L)	DBU Class For Coastal and Marine	Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	Ion Balance ((Na+,meq/L) / (Cl-, meq/L))	EC Balance (TDS,mg/L) / (EC,µmho/cm)	Carbon Balance (COD,mg/L) / (BOD,mg/L)	CO-3 balance (pH < 8.3)	Class
	true			0.00 (True)	0.0 (False)	0.00 (False)	0.00 (False)		