

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 February- 2026							
Name of River		KARAMANA					
Date and Time of Sample collection		2/17/2026					
Method of analysis							
Sl no.	Parameters	SAMPLE ID					
		Peppara	Aruvikkara	Mangattukadavu	Pallathukadavu	Thiruvallom	Moonnattumukku
1	Temperature (°C)	29.5	29.8	30	29.7	30	29.8
2	Dissolved O ₂ (mg/L)	7	7.3	4.8	4.3	0.7	1.7
3	pH	7.2	6.8	6.5	7.3	7.1	7.1
4	Conductivity (µmho/Cm)	35	84	138	1206	1425	675
5	BOD (mg/L)	0.4 (BDL)	0.8 (BDL)	1.9	3.6	4	4.8
6	Nitrate - N (mg/L)	0.2 (BDL)	0.5	3.6	3.6	2.6	10.7
7	Turbidity (NTU)	1 (BDL)	2.4	1.7	7	28	37
8	Total Alkalinity (mg/L)	8 (BDL)	20 (BDL)	20 (BDL)	68	124	120
9	Chlorides (mg/L)	8	20	20	320	364	120
10	Ammonical N (mg/L)	0.0 (BDL)	0.0 (BDL)	0.0 (BDL)	0.2 (BDL)	10.5	26.3
11	Total Hardness (mg/L)	8 (BDL)	16	28	132	136	92
12	Ca as CaCO ₃ (mg/L)	4 (BDL)	12	20	60	68	72
13	Mg as CaCO ₃ (mg/L)	4 (BDL)	4 (BDL)	8	72	68	20
14	Sulphate (mg/L)	0.6 (BDL)	0.5 (BDL)	0.6 (BDL)	6.4	17.4	13.6
15	Sodium (mg/L)	5.3	12.6	14.6	173	192.5	66.3
16	Measured TDS (mg/L)	22	60	84	705	796	385
17	Total Phosphate (mg/L)	0.0009 (BDL)	0.0192 (BDL)	0.0256 (BDL)	0.0302 (BDL)	0.2051	0.1722 (BDL)
18	Boron (mg/L)	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	0.24 (BDL)	0.3 (BDL)
19	Potassium (mg/L)	1.2	5.8	6.8	80.4	78.8	30.7
20	Total Coliform (MPN/100ml)	180	450	2000	2400	6800	27000
21	Fecal Coliform (MPN/100ml)	20	100	680	980	4500	11000
22	SAR	0.82	1.37	1.20	6.54	7.16	3.00


 12/03/2026
 ASSISTANT ENVIRONMENTAL SCIENTIST

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

SL.N o	Name of Drain	Parameters														
		pH			Electrical Conductivity(µS/cm)			BOD(mg/l)			TC(Nos/100ml)			FC		
	Months	DEC	JAN	FEB	DEC	JAN	FEB	DEC	JAN	FEB	DEC	JAN	FEB	DEC	JAN	FEB
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	7.09	NIL	NIL	151.1	NIL	NIL	2.6	NIL	NIL	1000	NIL	NIL	400	NIL	NIL
4	KaruvelilThodu	6.75	6.71	7.11	50.39	152.3	122	0.5	1	2.6	200	800	1000	100	400	600
5	Nochithodu	7.03	7.06	7.08	482.6	46.17	170.8	2.4	0.4	0.1	700	400	200	200	200	100
6	Pattaparambil Thodu	7.26	7.11	7.01	50.23	49.89	196.6	1.2	0.2	0.5	400	500	300	100	100	100
7	Kappiyarissery Thodu	7.08	6.96	6.82	49.5	85.96	222.4	1.6	0.73	2.6	400	700	1200	200	400	900
8	Kombankery Thodu	7.02	7.19	7	47.23	87.9	350.8	1.4	0.07	0.6	200	200	500	100	100	200
9	Perackalthodu	7	7.3	7.07	57.16	72.96	218.7	0.1	0.6	0.2	NIL	900	200	NIL	300	100
10	Erathodu	6.99	7.38	6.94	44.32	92.05	415.1	0.7	0.07	0.1	200	300	200	100	100	100
11	Kolarayaru	7.01	7.7	7.26	38.24	40.55	39.5	0.5	0.07	0.2	400	500	200	100	100	100

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

SI NO	BOTTLE NO.	Name of Drains	PH	BOD	TC	FC
1	TK1	Panayampalathodu	6.25	1.3	900	400
2	TK2	PadathupalamThodu	6.64	1.3	700	300
3	TK3	Thottappuzha	7.2	2.9	1100	500
4	TK4	Kuttapuzha under Kattodubridge	6.93	2	1000	400
5	TK5	Kadavumbara	7.12	0.2	200	100
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	NIL	NIL	NIL	NIL
8	TK8	Komalamthodu	6.94	0.1	200	100
9	TK9	Vennikulam Valiyathodu	7.18	0.6	700	200
10	TK10	Paduthodu	7.13	1.2	1000	400
11	TK11	Mallappally Valiyathodu	NIL	NIL	NIL	NIL

Analysis report of polluted river stretches-R Periyar, R- Chithrapuzha,R-Kadambrayar, R-Chalakudy For the month of February 2026

STNCod e	Sampling Date	Sampling Time	StnName	Type Of Water Body	Name Of Water Body	River Basin	
17	04.02.2026	11:00	Periyar at Eloor	River	Periyar River		
1338	06.02.2026	11:00	Periyar at SDP Aluva	River	Periyar River		
2334	10.02.2026	10:50	Periyar at Pathalam	River	Periyar River		
2335	10.02.2026	12:20	Periyar at Kalamassery	River	Periyar River		
3468	06.02.2026	11:25	Periyar at KWA Aluva	River	Periyar River		
2337	NO SAMPLING	10:00	Kadambrayar At Brahmapuram	River	Kadambrayar River		
2338	13.02.2026	11:20	Kadambrayar At Manackakadavu	River	Kadambrayar River		
1573	13.02.2026	12:10	Chithrapuzha At Irumpanam	River	Chithrapuzha River		
1154	06.02.2026	2:30	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	27	28	28	28	N O S A M P L I N G	28	29	28
2	Dissolved Oxygen, mg/l	6.2	5.7	5.9	5.0	8.3		1.6	4.8	8.6
3	pH	8.3	7.2	7.9	7.7	7.6		7.6	8.8	7.4
4	Conductivity, µmhos/cm	5570	63	4170	53	48		78	2380	299
5	BOD, mg/l	3.9	2.5	5.4	1.7	2.5		2	4.1	1.5
6	Nitrate-N, mg/l	BDL	0.12	0.38	0.07	BDL		BDL	0.47	0.1
7	Turbidity, NTU	3.4	0.5	0.2	0.4	0.8		5.7	5	0.7
8	Phenolphthalein alkalinity	5.3	BDL	BDL	BDL	BDL		BDL	5.8	BDL
9	Total Alkalinity, as CaCO3	29	16	24	15	14		19	37	40
10	Chloride, mg/l	1761.2	7.34	1496.98	5.38	4.89		9.3	704.5	63
11	COD, mg/l	12.0	16.0	16	8	12		6.4	12	12
12	TKN, mg/l	BDL	BDL	0.2	BDL	BDL		BDL	1.6	1.2
13	Ammoniacal-N, mg/l	BDL	BDL	0.14	BDL	BDL		BDL	1.22	0.96
14	Total Hardness, as CaCO3 mg/l	602	16	466	14	15		19	230	84
15	Calcium, as CaCO3 mg/l	188	10	144	9	9		12	80	80
16	Magnesium as CaCO3, mg/l	414	6	322	5	6		7	150	4
17	Sulphate, mg/l	67	BDL	90	BDL	BDL		BDL	17.5	2.9
18	Sodium, mg/l	1000	4.8	975	3.25	3.2		6.1	457.6	33
19	Total Dissolved Solids, mg/l	3180	36	2726	30	28		44	1330	184
20	Total Fixed Solids, mg/l	2544	29	2181	24	22		35	1064	147
21	Total Suspended Solids, mg/l	39	57	42	25	126		5	38	27
22	Phosphate, mg/l	BDL	0.1	0.1	0.1	0.1		0.1	6.2	BDL
23	Boron, mg/l	0.221	BDL	0.162	BDL	BDL		BDL	0.111	BDL
24	Potassium, mg/l	8.1	1	6.90	0.6	0.9		1.1	5.4	2.5
25	Fluoride, mg/l	0.16	0.06	0.14	0.05	0.043		0.051	0.71	0.05
26	Total Coliform, MPN/100 ml	30000	7000	4800	1700	2000		41000	70000	6300
27	Feacal Coliform, MPN/100 ml	1500	1200	300	700	110		1000	1300	110
28	Feacal Streptococci, MPN/100ml	12	100	22	58	14		260	220	BDL

Analysis report of polluted river stretches-R Periyar, R- Chithrapuzha,R-Kadambrayar, R-Chalakudy For the month of March 2026

STNCod e	Sampling Date	Sampling Time	StnName	Type Of Water Body	Name Of Water Body	River Basin	
17	10.03.2026	11:00	Periyar at Eloor	River	Periyar River		
1338	27.03.2026	10:15	Periyar at SDP Aluva	River	Periyar River		
2334	03.03.2026	11:05	Periyar at Pathalam	River	Periyar River		
2335	03.03.2026	11:50	Periyar at Kalamassery	River	Periyar River		
3468	27.03.2026	10:35	Periyar at KWA Aluva	River	Periyar River		
2337	17.03.2026	11:05	Kadambrayar At Brahmapuram	River	Kadambrayar River		
2338	17.03.2026	10:45	Kadambrayar At Manackakadavu	River	Kadambrayar River		
1573	17.03.2026	11:15	Chithrapuzha At Irumpanam	River	Chithrapuzha River		
1154	27.03.2026	12:35	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	28	29	No Sampling due to dense water hyacinth	29	29	29
2	Dissolved Oxygen, mg/l	9.3	5.7	4.2	5.2	5.9		2.3	6.7	8.7
3	pH	7.3	6.7	7.2	7.1	6.9		7.5	6.2	7.2
4	Conductivity, μmhos/cm	4010	52	4700	55	50		95	1992	252
5	BOD, mg/l	5.1	1.4	1.4	1.4	1.5		4.2	6.2	1.9
6	Nitrate-N, mg/l	0.02	0.14	0	0.05	0.16		0.14	3.5	0.14
7	Turbidity, NTU	6.9	2.1	1.2	1.7	1.8		4.7	1.5	1
8	Phenolphthalein alkalinity	0.62	BDL	4.05	BDL	BDL		BDL	BDL	BDL
9	Total Alkalinity, as CaCO3	22	15	21	15	15		24	5	42
10	Chloride, mg/l	1224.8	5.9	1518.8	7	5.9		11.76	494.82	50
11	COD, mg/l	32.0	32.0	16	24	4		13.6	24	5.6
12	TKN, mg/l	BDL	BDL	BDL	BDL	BDL		BDL	4.5	3.4
13	Ammoniacal-N, mg/l	BDL	BDL	BDL	BDL	BDL		BDL	3.1	1.48
14	Total Hardness, as CaCO3 mg/l	400	13	410	14	13		20	205	82
15	Calcium, as CaCO3 mg/l	120	8	130	9	10		14	111	72
16	Magnesium as CaCO3, mg/l	280	5	280	5	3		6	94	10
17	Sulphate, mg/l	155	3.1	91	2.5	3.5		3.2	85	2.9
18	Sodium, mg/l	796	3.8	795	3.6	3.9		6.4	321	26
19	Total Dissolved Solids, mg/l	2324	30	2682	35	32		56	1190	146
20	Total Fixed Solids, mg/l	1859	24	2146	28	26		45	952	117
21	Total Suspended Solids, mg/l	134	10	26	4	10		8	24	16
22	Phosphate, mg/l	0.1	0.2	0.2	0.1	0.2		0.1	53	0.1
23	Boron, mg/l	0.277	0.034	0.372	0.023	0.031		0.041	0.149	0.042
24	Potassium, mg/l	14.4	1	21.60	1.2	1		2.2	8.2	1
25	Fluoride, mg/l	0.088	0.044	0.112	0.247	0.034		0.037	2.612	0.032
26	Total Coliform, MPN/100 ml	47000	43000	6300	50000	47000		25000	410000	4300
27	Feacal Coliform, MPN/100 ml	700	4900	400	1200	2500		840	1000	38
28	Feacal Streptococci, MPN/100ml	260	200	120	100	220		100	200	15

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 2026)	
STN Code	2326
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Korayar
Sampling Date	03-02-2026
Sampling Time	11.30
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	Cloudy
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	28
Dissolved O2 (mg/L)	7.1
pH	7.7
Conductivity (µmho/Cm)	662
BOD (mg/L)	3.2
Nitrate - N (mg/L)	0.8
Total Coliform (MPN/100ml)	48400
Fecal Coliform (MPN/100ml)	29600
Fecal Streptococci (MPN/100ml)	160
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	238
Chlorides (mg/L)	115
COD (mg/L)	45
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	294
Ca as CaCo3 (mg/L)	144
Mg as CaCo3 (mg/L)	150
Sulphate (mg/L)	39
Ca++ (mg/L)	57.72
Mg++ (mg/L)	36.45
Sodium (mg/L)	70
Total Dissolved Solids (mg/L)	429
Total Fixed Solids (mg/L)	250
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.12 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	3
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	33.8
SAR	1.78
Measured TDS (mg/L)	465
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	0.06 (True)
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	0.9 (True)
EC Balance (TDS,mg/L) / (EC,µmho/cm)	0.70 (True)
Carbon Balance (COD,mg/L) / (BOD,mg/L)	11.84 (True)
CO-3 balance (pH < 8.3)	True
Class	D

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 2026)

STN Code	3460
District	Palakkad
Monitoring Agency	Kerala SPCB
Waterbody Type	TRIBUTARY
Waterbody Name	Kalpathy Puzha
Sampling Date	03-02-2026
Sampling Time	10.20
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	Cloudy
Approxdepth (m)	Greater than 100 cm
Floating Matter	Yes
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	28
Dissolved O2 (mg/L)	6.1
pH	7.8
Conductivity (µmho/Cm)	155
BOD (mg/L)	3.3
Nitrate - N (mg/L)	0.8
Total Coliform (MPN/100ml)	39200
Fecal Coliform (MPN/100ml)	8800
Fecal Streptococci (MPN/100ml)	220
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	95
Chlorides (mg/L)	20
COD (mg/L)	45
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	115
Ca as CaCo3 (mg/L)	61
Mg as CaCo3 (mg/L)	54
Sulphate (mg/L)	6
Ca++ (mg/L)	24.45
Mg++ (mg/L)	13.122
Sodium (mg/L)	10
Total Dissolved Solids (mg/L)	131
Total Fixed Solids (mg/L)	75
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.19 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	14.9
SAR	0.40
Measured TDS (mg/L)	135
Ion Balance ((Total Cations)-(Total Anions) / (Total Cations)+(Total Anions))	0.09 (True)
Ion Balance ((Na+,meq/L) / (Cl-,meq/L))	0.8 (True)
EC Balance (TDS,mg/L) / (EC,µmho/cm)	0.87 (True)
Carbon Balance (COD,mg/L) / (BOD,mg/L)	8.82 (True)
CO-3 balance (pH < 8.3)	True
Class	D

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 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	03-02-2026
Sampling Time	10.10 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)	28
Dissolved O2 (mg/L)	5.2
pH	7.3
Conductivity (µmho/Cm)	200
BOD (mg/L)	3.1
Nitrate - N (mg/L)	1.7
Total Coliform (MPN/100ml)	41600
Fecal Coliform (MPN/100ml)	25200
Fecal Streptococci (MPN/100ml)	80
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	86
Chlorides (mg/L)	24
COD (mg/L)	50
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	92
Ca as CaCo3 (mg/L)	72
Mg as CaCo3 (mg/L)	20
Sulphate (mg/L)	5
Ca++ (mg/L)	28.86
Mg++ (mg/L)	4.86
Sodium (mg/L)	15
Total Dissolved Solids (mg/L)	135
Total Fixed Solids (mg/L)	70
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.30
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	25.65
SAR	0.68
Bicarbonate (mg/L)	86

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 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	03-02-2026
Sampling Time	10.30 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)	27
Dissolved O2 (mg/L)	6.6
pH	7.4
Conductivity (µmho/Cm)	117
BOD (mg/L)	2.5
Nitrate - N (mg/L)	0.4
Total Coliform (MPN/100ml)	27200
Fecal Coliform (MPN/100ml)	16800
Fecal Streptococci (MPN/100ml)	160
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	56
Chlorides (mg/L)	12
COD (mg/L)	40
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	62
Ca as CaCo3 (mg/L)	58
Mg as CaCo3 (mg/L)	4
Sulphate (mg/L)	2
Ca++ (mg/L)	23.25
Mg++ (mg/L)	0.972
Sodium (mg/L)	7
Total Dissolved Solids (mg/L)	81
Total Fixed Solids (mg/L)	50
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.12 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	1
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	19.39
SAR	0.39
Bicarbonate (mg/L)	56

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 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	03-02-2026
Sampling Time	12.15 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)	4.6
pH	7.6
Conductivity (µmho/Cm)	1139
BOD (mg/L)	3
Nitrate - N (mg/L)	0
Total Coliform (MPN/100ml)	49600
Fecal Coliform (MPN/100ml)	28400
Fecal Streptococci (MPN/100ml)	400
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	418
Chlorides (mg/L)	230
COD (mg/L)	40
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	468
Ca as CaCo3 (mg/L)	154
Mg as CaCo3 (mg/L)	314
Sulphate (mg/L)	102
Ca++ (mg/L)	61.72
Mg++ (mg/L)	76.302
Sodium (mg/L)	120
Total Dissolved Solids (mg/L)	745
Total Fixed Solids (mg/L)	310
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.13 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	2
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	35.68
SAR	2.42
Bicarbonate (mg/L)	418

POLLUTED RIVER STRETCH MONITORING PROGRAM (FEBRUARY 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	03-02-2026
Sampling Time	11:15 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	Yes(Floating algae , Water Hyacinth)
Colour	Clear
Odour	None
Flow (In MLD)	
Temperature (°C)	28
Dissolved O2 (mg/L)	4.2
pH	7.6
Conductivity (µmho/Cm)	815
BOD (mg/L)	3.2
Nitrate - N (mg/L)	0.5
Total Coliform (MPN/100ml)	40800
Fecal Coliform (MPN/100ml)	25600
Fecal Streptococci (MPN/100ml)	240
Turbidity (NTU)	0 (BDL)
Phenolphthalein Alkalinity (mg/L)	0 (BDL)
Total Alkalinity (mg/L)	320
Chlorides (mg/L)	132
COD (mg/L)	45
Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)
Ammonical N (mg/L)	0.4 (BDL)
Total Hardness (mg/L)	346
Ca as CaCo3 (mg/L)	120
Mg as CaCo3 (mg/L)	226
Sulphate (mg/L)	39
Ca++ (mg/L)	48.10
Mg++ (mg/L)	54.92
Sodium (mg/L)	75
Total Dissolved Solids (mg/L)	530
Total Fixed Solids (mg/L)	310
Total Suspended Solids (mg/L)	10 (BDL)
Total Phosphate (mg/L)	0.13 (BDL)
Boron (mg/L)	0 (BDL)
Potassium (mg/L)	3
Fluoride (mg/L)	0.2 (BDL)
Sodium Percentage (%)	31.8
SAR	1.75
Bicarbonate (mg/L)	320



KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

കോഴിക്കോട് റീജണൽ ഓഫീസ്
REGIONAL OFFICE, KOZHIKODE



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

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

11/3/26

ANALYSIS REPORT OF RIVER WATER

Report No.	K R O S 5 9 6 0 / 1 to 5	Date:	0 2 0 3 2 0 2 6
Date of Sample Collection	1 4 0 2 2 0 2 6	Date of receipt of the sample	1 7 0 2 2 0 2 6
Sampled by:	RL, KKD	Time	Hours: 0 4 : 0 0 PM
Sampling Method	APHA1060B,a	Sample ID	KL1, KL2, KL3, KL5,& KL6
Sample container	PC 2.5 L	Sample Lab Code	KROS :5960/1-5
Source:	KALLAI RIVER WATER	Ref.letter No.	PCB/KKD/DO/ Polluted River Stretch/2018 Vol. IV. Dated 17.02.2026
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	Received from:	EE,DO,KKD
Sample preservation:	Ice box	Period of analysis:	13.01.2026-04.02.2026
		No. of samples	5
		Analysed by:	SNS/NSS/PVH/AJ
		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	8.24	7.64	7.63	7.66	7.69
2	CONDUCTIVITY	µmhos /cm	APHA 2510B	10250	20700	24800	11200	28900
3	BOD	mg/L	IS3025 (Part 44)	1.47	1.07	1.33	0.93	0.53
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O,C	4.6	6.9	7.7	5.9	3.7
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	17000	24000	30000	42000	23000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	11000	19000	21000	29000	14000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	1300	1000	200	900	1400
8	TEMPERATURE	°C	APHA 2550B	27	27	27	28	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 **ASHNA N.K**
Assistant Scientist

Monthly Analysis report of river -Pullur- January 2026		
Sampling Date: 12/01/2026		
Station Name	RIVER PULLUR AT PULLUR BRIDGE NWMP (Station code:2303)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	29
2	Dissolved Oxygen, mg/l	6.5
3	pH	6.3
4	Conductivity, μ mhos/cm	69
5	BOD, mg/l	1.5
6	Nitrate-N, mg/l	0.2
7	Turbidity, NTU	1.1
8	Phenolphthalein Alkalinity, mg/l	-
9	Total Alkalinity, mg/l	13.0
10	Chloride, mg/l	15.0
11	COD, mg/l	4.8
12	TKN, mg/l	-
13	Ammoniacal-N, mg/l	0.005
14	Total Hardness as CaCO ₃ , mg/l	20.0
15	Calcium as CaCO ₃ , mg/l	10.0
16	Magnesium as CaCO ₃ , mg/l	10.0
17	Sulphate, mg/l	22.0
18	Calcium (Ca ²⁺), mg/l	4.0
19	Magnesium (Mg ²⁺), mg/l	2.4
20	Sodium, mg/l	11.8
21	Total Dissolved Solids, mg/l	44
22	Total Fixed Solids, mg/l	35
23	Total Suspended Solids, mg/l	73
24	Phosphate, mg/l	0.008
25	Boron, mg/l	0.01
26	Potassium, mg/l	0.8
27	Fluoride, mg/l	0.5
28	Total Coliform, MPN/100 ml	810
29	Fecal Coliform, MPN/100 ml	160
30	Fecal Streptococcus, MPN/100 ml	20
31	% SODIUM	55.0
32	SAR	1.14

Sd/
ASSISTANT SCIENTIST

Monthly Analysis report of river -Pullur- February 2026		
Sampling Date: 25/02/2026		
Station Name	RIVER PULLUR AT PULLUR BRIDGE NWMP (Station code:2303)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	River Stagnant pool/dry
2	Dissolved Oxygen, mg/l	River Stagnant pool/dry
3	pH	River Stagnant pool/dry
4	Conductivity, μ mhos/cm	River Stagnant pool/dry
5	BOD, mg/l	River Stagnant pool/dry
6	Nitrate-N, mg/l	River Stagnant pool/dry
7	Turbidity, NTU	River Stagnant pool/dry
8	Phenolphthalein Alkalinity, mg/l	River Stagnant pool/dry
9	Total Alkalinity, mg/l	River Stagnant pool/dry
10	Chloride, mg/l	River Stagnant pool/dry
11	COD, mg/l	River Stagnant pool/dry
12	TKN, mg/l	River Stagnant pool/dry
13	Ammoniacal-N, mg/l	River Stagnant pool/dry
14	Total Hardness as CaCO ₃ , mg/l	River Stagnant pool/dry
15	Calcium as CaCO ₃ , mg/l	River Stagnant pool/dry
16	Magnesium as CaCO ₃ , mg/l	River Stagnant pool/dry
17	Sulphate, mg/l	River Stagnant pool/dry
18	Calcium (Ca ²⁺), mg/l	River Stagnant pool/dry
19	Magnesium (Mg ²⁺), mg/l	River Stagnant pool/dry
20	Sodium, mg/l	River Stagnant pool/dry
21	Total Dissolved Solids, mg/l	River Stagnant pool/dry
22	Total Fixed Solids, mg/l	River Stagnant pool/dry
23	Total Suspended Solids, mg/l	River Stagnant pool/dry
24	Phosphate, mg/l	River Stagnant pool/dry
25	Boron, mg/l	River Stagnant pool/dry
26	Potassium, mg/l	River Stagnant pool/dry
27	Fluoride, mg/l	River Stagnant pool/dry
28	Total Coliform, MPN/100 ml	River Stagnant pool/dry
29	Fecal Coliform, MPN/100 ml	River Stagnant pool/dry
30	Fecal Streptococcus, MPN/100 ml	River Stagnant pool/dry
31	% SODIUM	River Stagnant pool/dry
32	SAR	River Stagnant pool/dry

Sd/

ASSISTANT SCIENTIST

Monthly Analysis report of river -Uppala- January-2026		
Sampling Date: 19/01/2026		
Station Name	RIVER UPPALA AT UPPALA BRIDGE (NWMP Station code:2306)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	30
2	Dissolved Oxygen, mg/l	6.0
3	pH	7.0
4	Conductivity, μ mhos/cm	30100
5	BOD, mg/l	1.5
6	Nitrate-N, mg/l	0.6
7	Turbidity, NTU	1.2
8	Phenolphthalein Alkalinity, mg/l	-
9	Total Alkalinity, mg/l	63.0
10	Chloride, mg/l	13000
11	COD, mg/l	4.6
12	TKN, mg/l	-
13	Ammoniacal-N, mg/l	0.002
14	Total Hardness as CaCO ₃ , mg/l	1700
15	Calcium as CaCO ₃ , mg/l	1000
16	Magnesium as CaCO ₃ , mg/l	700
17	Sulphate, mg/l	2027
18	Calcium (Ca ²⁺), mg/l	401
19	Magnesium (Mg ²⁺), mg/l	170
20	Sodium, mg/l	6988
21	Total Dissolved Solids, mg/l	20649
22	Total Fixed Solids, mg/l	17909
23	Total Suspended Solids, mg/l	91
24	Phosphate, mg/l	0.016
25	Boron, mg/l	0.15
26	Potassium, mg/l	49.0
27	Fluoride, mg/l	0.9
28	Total Coliform, MPN/100 ml	370
29	Fecal Coliform, MPN/100 ml	40
30	Fecal Streptococcus, MPN/100 ml	Absent
31	% SODIUM	89.6
32	SAR	73.78

Sd/
ASSISTANT SCIENTIST

Monthly Analysis report of river -Uppala- February-2026		
Sampling Date: 24/02/2026		
Station Name	RIVER UPPALA AT UPPALA BRIDGE (NWMP Station code:2306)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	31
2	Dissolved Oxygen, mg/l	4.0
3	pH	7.0
4	Conductivity, μ mhos/cm	45800
5	BOD, mg/l	2.9
6	Nitrate-N, mg/l	0.5
7	Turbidity, NTU	1.3
8	Phenolphthalein Alkalinity, mg/l	-
9	Total Alkalinity, mg/l	117
10	Chloride, mg/l	16900
11	COD, mg/l	6.9
12	TKN, mg/l	-
13	Ammoniacal-N, mg/l	0.018
14	Total Hardness as CaCO ₃ , mg/l	7400
15	Calcium as CaCO ₃ , mg/l	1300
16	Magnesium as CaCO ₃ , mg/l	6100
17	Sulphate, mg/l	1747
18	Calcium (Ca ²⁺), mg/l	521
19	Magnesium (Mg ²⁺), mg/l	1482
20	Sodium, mg/l	9730
21	Total Dissolved Solids, mg/l	29312
22	Total Fixed Solids, mg/l	23450
23	Total Suspended Solids, mg/l	94
24	Phosphate, mg/l	0.007
25	Boron, mg/l	0.17
26	Potassium, mg/l	483
27	Fluoride, mg/l	0.6
28	Total Coliform, MPN/100 ml	400
29	Fecal Coliform, MPN/100 ml	370
30	Fecal Streptococcus, MPN/100 ml	180
31	% SODIUM	72.5
32	SAR	49.22

Sd/
ASSISTANT SCIENTIST