

Surface Water Quality Data in Yanam Region - 2025

Sl.No.	Parameters	Gautami - Godavari River Near Adavipolam	Coringa River (Tidal Lock)	Gautami - Godavari River Near Balayogi Bridge
	Station Code	2443	2444	2442
1	Latitude	16.725069	16.730167	16.714594
2	Longitude	82.205961	82.217389	82.261536
3	Dt.Of Sampling	16.12.2025	16.12.2025	16.12.2025
4	Time	10.10 AM	11.05 AM	12.05 PM
5	Temperature °C	28.0	27.5	27.0
6	DO mg/l	7.6	5.1	7.3
7	pH	8.13	7.79	8.27
8	Conductivity ms/cm	22.7	5.46	16.11
9	Turbidity NTU	5.6	10.5	1.6
10	COD (mg/l)	60.0	24.0	24.0
11	BOD (mg/l)	2.5	BDL (DL: 1.0)	
12	Nitrate -N (mg/l)	BDL (DL: 0.3)		
13	Nitrite -N (mg/l)	BDL (DL: 0.2)		
14	Nitrate (mg/l)	BDL		
15	Ammonia - N (mg/l)	BDL (DL: 0.4)		
16	Fluoride (mg/l)	1.07	0.70	1.00
17	P. Alkalinity (mg/l)	BDL (DL: 5.0)		
18	Total Alkalinity (mg/l)	158	214	152
19	Chloride (mg/l)	7401.5	1427.9	5196.6
20	Total Hardness (mg/l)	2435.6	712.9	1782.2
21	Calcium Hardness (mg/l)	613.9	396.0	772.3
22	Calcium as Ca ⁺⁺ (mg/l)	245.6	158.4	308.9
23	Magnesium Hardness (mg/l)	1821.7	316.9	1009.9
24	Magnesium as Mg ⁺⁺ (mg/l)	442.7	77.0	245.4

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	Station Code	2443	2444	2442
25	TDS (mg/l)	14485	2960	10419
26	FDS (mg/l)	12869	2553	9603
27	TSS (mg/l)	BDL (DL: 10)	15.0	BDL (DL: 10)
28	Sulphate (mg/l)	917.79	202.43	681.05
29	Ortho phosphate (mg/l)	BDL	0.47	BDL
30	Sodium (mg/l)	5879.00	904.8	4601.00
31	Potassium (mg/l)	142.90	28.83	104.50
32	% Sodium	82.89	72.32	83.86
33	SAR	51.6	14.69	47.22
34	Copper (mg/l)	BDL (DL: 0.02)		
35	Nickel (mg/l)	BDL (DL: 0.005)		
36	Cadmium (mg/l)	BDL (DL: 0.001)		
37	Lead (mg/l)	BDL (DL: 0.005)		
38	Total Chromium (mg/l)	BDL (DL: 0.02)		
39	Iron (mg/l)	1.61	2.07	0.35
40	Zinc (mg/l)	BDL(DL:0.05)	0.07	BDL(DL:0.05)
41	Arsenic (mg/l)	BDL(DL:0.005)		
42	Mercury (mg/l)	BLQ(LOQ:0.004)		
43	Alpha HCH (µg/l)	BDL		
44	Gamma HCH (µg/l)	BDL		
45	Delta HCH (µg/l)	BDL		
46	Methyl Parathion (µg/l)	BDL		
47	Alachor (µg/l)	BDL		
48	Aldrin (µg/l)	BDL		
49	Malathion (µg/l)	BDL		
50	Chlorpyrifos (µg/l)	BDL		
51	Alpha Endosulfan (µg/l)	BDL		
52	Butachlor (µg/l)	BDL		

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	Station Code	2443	2444	2442
53	Beta Endosulfan µg/l	BDL		
54	Phorate (µg/l)	BDL		
55	op DDT (µg/l)	BDL		
56	op DDD (µg/l)	BDL		
57	pp DDD (µg/l)	BDL		
58	op DDE (µg/l)	BDL		
59	pp DDE (µg/l)	BDL		
60	Dieldrin (µg/l)	BDL		
61	Ethion (µg/l)	BDL		
62	Endosulfan sulfate (µg/l)	BDL		
63	pp DDT (µg/l)	BDL		

BDL - Below Detectable Limit; DL - Detection Limit