

Surface Water Quality - Yanam Region - 2020				
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° 42' 52.54" N	16° 43' 48.6" N	16° 43' 30.25" N
2	Longitude	82 ° 15' 41.53" E	82 ° 13' 2.6" E	82 ° 12' 21.46" E
3	Dt.Of Sampling	22.12.2020	22.12.2020	22.12.2020
4	Time	08.30 A.M	09.00 A.M	10.00 A.M
5	Temperature °C	26.0	26.0	26.0
6	DO mg/l	6.6	2.0	6.5
7	pH	8.01	7.40	8.07
8	Conductivity µmho/cm	29800	2080	20200
9	BOD mg/l	BDL (DL - 1)		
10	Nitrate - N mg/l	0.46	1.27	0.36
11	Nitrate mg/l	2.04	5.60	1.60
12	Nitrite - N mg/l	BDL (DL - 0.02)		
13	Turbidity NTU	11.8	4.9	8.2
14	Bi- Carbonate as CaCO ₃ mg/l	114.8	138.6	116.8
15	Carbonate as CaCO ₃ mg/l	3.96	Nil	5.94
16	Chloride mg/l	10496.7	849.7	6098.1
17	COD mg/l	Nil	Nil	Nil
18	Total Hardness mg/l	3000	320	2040
19	Calcium Hardness mg/l	2220	210	1530
20	Calcium as Ca ⁺⁺ mg/l	888	84	612.0
21	Magnesium Hardness mg/l	780	110	510
22	Magnesium as Mg ⁺⁺ mg/l	189.5	26.7	123.9
23	Sulphate mg/l	1183.7	320.0	589.4
24	Orthophosphate mg/l	0.16	0.47	0.19

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25	TDS mg/l	18565	1148	12881
26	TSS mg/l	97.0	28.0	45.0
27	FDS/TFS mg/l	15589	571	9441
28	Ammonia - N mg/l	0.09	0.27	0.07
29	Sodium mg/l	6801.0	237.2	5325.0
30	Potassium mg/l	18.95	8.11	12.15
31	Hexavalent Chromium mg/l	BDL		
32	% Sodium	82.97	60.86	84.88
33	SAR	53.9	5.8	51.2
34	P/R Ratio	7.0	2.1	8.0
35	Arsenic mg/l	BDL (DL - 0.005)		
36	Cadmium mg/l	BDL (DL - 0.001)		
37	Copper mg/l	0.268	0.034	0.087
38	Lead mg/l	BDL (DL - 0.005)		
39	Total Chromium mg/l	BDL (DL - 0.01)		
40	Mercury mg/l	BDL (DL - 0.0005)		
41	Nickel mg/l	BDL (DL - 0.01)		
42	Zinc mg/l	BDL (DL - 0.1)		
43	Manganese as Mn (mg/l)	0.089	0.37	BDL (DL - 0.05)
44	Iron mg/l	0.39	0.81	0.25

BDL - Below Detectable Limit; DL - Detection Limit