

WATER QUALITY OF RIVER NAGAVALI - 2010

Penta U/s

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	27	7.97	8	1.7	8.6	181.2	0.157
Apr		35	7.96	8.4	0.8	13.5	199	0.074
July		30	7.9	6.4	1.3	10.5	136	0.191
Oct		24	7.9	7.4	1.8	9.8	248	0.106
Minimum		24.0	7.9	6.4	0.8	8.6	136.0	0.1
Maximum		35.0	8.0	8.4	1.8	13.5	248.0	0.2
Average		29.0	7.9	7.6	1.4	10.6	191.1	0.1

Jaykay Pur D/s

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	26	8	7.1	3.1	15.2	225.7	0.598
Apr		34	8.26	7.9	1.5	16.9	297	0.733
July		28	7.7	7.8	2	16.5	127	0.088
Oct		24	8.4	7.1	1.9	13.1	263	0.194
Minimum		24.0	7.7	7.1	1.5	13.100	127.0	0
Maximum		34.0	8.4	7.9	3.1	16.900	297.0	1
Average		28.0	8.1	7.5	2.1	15.425	228.2	0

Rayagada D/s

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	24	8.2	7.7	1.8	10.7	269.3	0.54
Apr		32	8.38	7.9	1.1	9.7	332	1.185
July		30	7.8	7.6	2.1	19.9	161	0.262
Oct		23	8	7.5	1.4	14.8	208	0.842
Minimum		23.0	7.8	7.5	1.1	9.700	161.000	0
Maximum		32.0	8.4	7.9	2.1	19.900	332.000	1
Average		27.3	8.1	7.7	1.6	13.775	242.575	1

NH ₄ -N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.55	1200	840	6.2	0.54	B	0.026	94	6
1.4	840	210	6.4	0.5	B	1.149	100	0
0.392	3500	2400				0.034	68	0
1.4	2400	1300	6.3	0.62	B	0.007	96	4
0.4	840	210	6.2	0.5	0.0	0.0	68.0	0.0
1.4	3500	2400	6.4	0.6	0.0	1.1	100.0	6.0
0.9	1985	1188	6.3	0.6	#DIV/0!	0.4	89.5	2.5

NH ₄ -N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.44	1700	1100	6	0.46	C	0.025	98	2
1.064	1400	460	5.8	0.4	C	0.026	122	8
0.448	16000	9200				0.022	62	2
1.624	4300	2800	5.7	0.48	C	0.012	120	4
0	1400	460						
2	16000	9200						
1	5850	3390						

NH ₄ -N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
3.52	1400	630	5.6	0.41	C	0.016	98	0
0.896	1700	790	5.83	0.77	C	0.055	132	12
0.224	5500	3500				0.015	70	4
3.752	9200	2800	5.7	0.58	C	0.010	80	0
0	1400	630						
4	9200	3500						
2	4450	1930						

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
28.9	2.2	18.8	0.07	2410
16	12.8	5.9	BDL	2357
32	2.8	10	BDL	13450
14	2.3	2.4	BDL	2069
14.00	2	2		
32.00	13	19		
22.73	5	9		

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
25.7	0.8	17.7	0.2	2940
19	7	5.7	0.04	4330
48	2.1	5.4	BDL	12440
11	2.2	7.8	BDL	1258

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
22.5	6.7	22.2	0.32	3060
48	5.1	4.8	BDL	312
32	4	10.8	BDL	13320
7	1.6	4.7	BDL	917