

WATER QUALITY OF RIVER NAGAVALI - 2008

J. K. Pur D/s

Month	Year	pH	DO (mg/l)	BOD (mg/l)	Cond. mS/cm	NH4-N (mg/l)	Nitrate-N (mg/l)	TC (MPN/100 ml)
January	2008	8.4	6.8	2.2	243	0.28	0.258	1700
April		7.5	8.2	3.6	243	1.6	2.306	3400
July		8.2	7.8	2	237	1.12	0.248	4700
Oct		8.5	7	2.2	207	1.68	0.76	5800
Minimum		7.5	6.8	2.0	207	0.280	0.248	1700
Maximum		8.5	8.2	3.6	243	1.680	2.306	5800
Average		8.2	7.5	2.5	233	1.170	0.893	3900

Rayagada D/s

Month	Year	pH	DO (mg/l)	BOD (mg/l)	Cond. mS/cm	NH4-N (mg/l)	Nitrate-N (mg/l)	TC (MPN/100 ml)
January	2008	8.2	7.6	2	201	0.28	0.833	1300
April		7.8	8.1	1	250	0.7	1.649	4700
July		7.7	7	1.8	217	1.12	0.436	2100
Oct		8.5	7.8	0.6	264	1.456	2.816	3400
Minimum		7.7	7.0	0.6	201	0.280	0.436	1300
Maximum		8.5	8.1	2.0	264	1.456	2.816	4700
Average		8.1	7.6	1.4	233	0.889	1.434	2875

FC (MPN/ 100 ml)	SI	DI	Class	COD (mg/l)	TSS (mg/l)	Turbidity , NTU	P. Alk., mg/l	T. Alk., mg/l
3300	4.25	0.2	D	12.6	73	40.6	16	80
2700	5.33	0.45	C	16.2	84	26	12	100
3400				10.2	246	346	ND	96
3100	5	0.52	C	16	124	26.2	4	104
2700	4.25	0.20		10.2				
3400	5.33	0.52		16.2				
3125	4.86	0.39		13.8				

FC (MPN/ 100 ml)	SI	DI	Class	COD (mg/l)	TSS (mg/l)	Turbidity , NTU	P. Alk., mg/l	T. Alk., mg/l
2600	5.6	0.39	C	10	78	34	16	76
2700	3.33	0.24	D	7.2	32	16	12	108
1400				8.8	264	386	ND	56
2700	5.2	0.34	C	12	56	12.3	4	110
1400	3.3	0.24		7.2				
2700	5.6	0.39		12.0				
2350	4.7	0.32		9.5				

Chromium Total	Nickel	Zinc	Mercury	Cyanide	M. Alk., mg/l
127	1.8	2.9	BDL	38	
43	4.1	14	BDL	39	
58	4.8	28	BDL	29	

Chromium Total	Nickel	Zinc	Mercury	Cyanide	M. Alk., mg/l
147	4.9	23.3	BDL	31	
36	4.6	22	BDL	28	
39	3.9	26	BDL	28	