

WATER QUALITY OF RIVER RUSHIKULYA- 2010

Madhopur

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	28	7.8	8.05	1.2	9.7	314	0.045
Apr		34	7.92	7.7	2.8	16.9	398	0.033
July		32	8.3	7	1.1	7	255	0.494
Oct		29	8.1	6.8	2.4	18.5	279	0.282
Minimum		28.0	7.8	6.8	1.1	7.0	255.0	0.0
Maximum		34.0	8.3	8.1	2.8	18.5	398.0	0.5
Average		30.8	8.0	7.4	1.9	13.0	311.5	0.2

Pottagarh

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	30	7.5	7.7	1	25.3	29840	1.069
Apr		33	7.99	6.1	2.8	24.7	46060	0.435
July		32	7.7	6.8	2	12	18790	0.272
Oct		28	8.1	6.4	1.7	17.4	355	0.894
Minimum		28.0	7.5	6.1	1.0	12.000	355	0.272
Maximum		33.0	8.1	7.7	2.8	25.300	46060	1.069
Average		30.8	7.8	6.8	1.9	19.850	23761	0.668

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
0.77	3500	1400				0.023	136	0
1.18	2200	1100	--	--	--	0.176	188	0
1.4	3500	1700				0.059	122	14
1.008	3500	1300				0.007	108	8
0.8	2200.0	1100.0	0.0	0.0	0.0	0.0	108.0	0.0
1.4	3500.0	1700.0	0.0	0.0	0.0	0.2	188.0	14.0
1.1	3175.0	1375.0	#DIV/0!	#DIV/0!	#DIV/0!	0.1	138.5	5.5

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
1.43	120	40	6.6	0.54	B	0.007	120	0
1.8	390	110	6.4	0.56	B	0.765	84	0
2.24	490	170				0.023	122	20
0.896	840	260	5.7	0.51	C	0.007	92	8
0.896	120.0	40						
2.240	840.0	260						
1.592	460.0	145						

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
57.9	0.4	18.1	0	1360
109	1.17	2.5	BDL	1190
56	1.5	3.8	BDL	10430
289	0.9	1.6	BDL	7929
56.00	0	2		
289.00	2	18		
127.98	1	7		

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
32.2	3.5	30.1	0.041	350
148	1.5	14.5	0.163	624
48	2.9	10.1	BDL	1810
95	0.9	2.4	BDL	4325