

WATER QUALITY OF RIVER RUSHIKULYA - 2008

Madhapur

Month	Year	pH	DO, mg/l	BOD, mg/l	Cond., μ S/cm	NH ₄ -N, mg/l	Nitrate-N, mg/l	TC, MPN/100 ml
January	2008	8	8	0.8	134	0.56	0.479	3500
Apr		8	7.1	2.5	303	ND	1.289	2100
July		8.1	7.3	2.4	276	0.87	1.211	4300
Oct		8.1	8.4	1.6	350	0.672	1.079	2800
Minimum		7.2	7.1	0.8	134	0.560	0.479	2100
Maximum		8.2	8.4	2.5	350	0.870	1.289	4300
Average		7.7	7.7	1.8	266	0.701	1.015	3175

Pottagarh

Month	Year	pH	DO, mg/l	BOD, mg/l	Cond., μ S/cm	NH ₄ -N, mg/l	Nitrate-N, mg/l	TC, MPN/100 ml
January	2008	7.9	7.2	0.9	21100	0.56	0.49	630
Apr		6.8	3.4	1.3	33600	0.504	2.734	840
July		7.9	8.1	2.2	5970	0.818	1.501	790
Oct		8.4	8.4	2.2	5200	0.672	3.265	840
Minimum		6.8	3.4	0.9	5200	0.504	0.490	630
Maximum		8.4	8.4	2.2	33600	0.818	3.265	840
Average		7.8	6.8	1.7	16468	0.639	1.998	775

FC, MPN/ 100 ml	SI	DI	Class	COD, mg/l	TSS, mg/l	Turbidity, NTU	P. Alk., mg/l	T. Alk., mg/l
2200	--	--	--	5.96	9	8	144	12
1700				7.8	56	36	2	128
2200				15.1	88	347	2	88
1700				8.1	20	7.9	ND	142
1700	--	--	--	6.0				
2200	--	--	--	15.1				
1950	--	--	--	9.2				

FC, MPN/ 100 ml	SI	DI	Class	COD, mg/l	TSS, mg/l	Turbidity, NTU	P. Alk., mg/l	T. Alk., mg/l
230	6	0.32	C	7.98	438	206	124	ND
580	6	0.55	B	13.3	197	59	22	124
490				15.1	126	63.9	4	108
460	6	0.55	C	10.7	32	6.8	16	132
230	6.0	0.32		8.0				
580	6.0	0.55		15.1				
440	6.00	0.47		11.8				

Zinc, $\mu\text{g/l}$	Mercury, $\mu\text{g/l}$	Iron Total, $\mu\text{g/l}$	NitriteN	TFS, mg/l	
		0.254			
14.1	0.5	20.9	0.008	160	
8	0.3	1487		102	
28	8	47	0.3	12	

Zinc, $\mu\text{g/l}$	Mercury, $\mu\text{g/l}$	Iron Total, $\mu\text{g/l}$	NitriteN	TFS, mg/l	
		17.626			
15.4	0.1	150.5	0.012	21120	
12	BDL	348		3106	
45	9	58	BDL	18	