

WATER QUALITY OF RIVER SUBERNAREKHA - 2008

Rajghat

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	7.8	7.2	0.6	272	0.28	0.497	1400
April		7.4	8.1	1.9	315	1.1	0.818	2800
July		7.96	7.6	1.6	119	0.638	1.475	3500
Oct		7.6	7.9	1.6	190	0.784	0.432	2200
Minimum		7.4	7.2	0.6	119.0	0.3	0.4	1400.0
Maximum		8.0	8.1	1.9	315.0	1.1	1.5	3500.0
Average		7.7	7.7	1.4	224.0	0.7	0.8	2475.0

FC (MPN/ 100 ml)	SI	DI	Class	COD (mg/l)	TSS (mg/l)	Turbidity , NTU	P. Alk., mg/l	T. Alk., mg/l
940	5	0.9	C	3.9	38	17.5	16	92
1400	6.6	0.52	C	8.9	13	17.5	10	98
1700				10.9	168	400	2	38
1400	5.6	0.38	C	7.5	46	15.2	ND	48
940.0	5.0	0.38	0.0	3.9	13.0	0.0	2.0	38.0
1700.0	6.6	0.90	0.0	10.9	168.0	0.0	16.0	98.0
1360.0	5.7	0.60	#DIV/0!	7.8	66.3	#DIV/0!	9.3	69.0

Chloride , mg/l	Total Kjeldahl N, mg/l	Hardnes s CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Sulphate , mg/l	Sodium, mg/l	PO ₄ --P, mg/l	Boron, mg/l
93.2	7.28	96	66	30	33.9	16.8	0.031	0.024
8	6.16	112	86	26	35.4	13	0.073	0.031
10	6.72	52	36	16	15.9	6	0.103	ND
16	2.8	68	48	20	28.3	9.93	0.079	0.003
8.0	2.8	52.0	36.0	0.0	15.9	6.0	0.0	0.0
93.2	7.3	112.0	86.0	0.0	35.4	16.8	0.1	0.0
31.8	5.7	82.0	59.0	#DIV/0!	28.4	11.4	0.1	0.0

Potassium, mg/l	Flouride, mg/l	Iron Total, mg/l	Nitrite-N, mg/l	TDS, mg/l	TFS, mg/l	Cadmium	Copper	Lead
2.5	0.638	1.392	0.007					
4	0.709	78	0.006	202	144	0.8	16.2	11.1
2.1	0.685	82.5		75	60	0.43	2	8
2.12	0.248	78.4	0.006	121	101	0.35	4	10
2.1	0.2	0.0	0.0	75.0	60.0	0.4	2.0	8.0
4.0	0.7	0.0	0.0	202.0	144.0	0.8	16.2	11.1
2.7	0.6	#DIV/0!	0.0	132.7	101.7	0.5	7.4	9.7

Chromium Total	Nickel	Zinc	Mercury	Cyanide
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45	4.1	5	BDL	16
25	3	14	BDL	11
26	6	14	BDL	10
25.0	3.0	5.0	0.0	10.0
45.0	6.0	14.0	0.0	16.0
32.0	4.4	11.0	#DIV/0!	12.3