

## WATER QUALITY OF RIVER SUBERNAREKHA - 2010

Rajghat

Month	Year	Temp., °C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., µS/cm	Nitrate- N, mg/l
January	2010	22	7.6	7.6	1.0	4.6	268.7	0.067
Apr		28	8.27	7.4	2.4	13.6	348.4	0.301
July		30	7.7	8.2	1.4	10	249	1.082
Oct		25	8.1	8	1.6	13.1	239	0.469
<b>Minimum</b>		<b>22.0</b>	<b>7.6</b>	<b>7.4</b>	<b>1.0</b>	<b>4.6</b>	<b>239.0</b>	<b>0.1</b>
<b>Maximum</b>		<b>30.0</b>	<b>8.3</b>	<b>8.2</b>	<b>2.4</b>	<b>13.6</b>	<b>348.4</b>	<b>1.1</b>
<b>Average</b>		<b>26.3</b>	<b>7.9</b>	<b>7.8</b>	<b>1.6</b>	<b>10.3</b>	<b>276.3</b>	<b>0.5</b>

NH <sub>4</sub> -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	1700	940	5.8	0.3	C	0.035	80	0
0.168	2800	1400	5.2	0.76	C	0.001	92	8
0.28	2100	1400				0.007	80	10
0.84	1700	940	5.2	0.65	C	0.015	64	0
<b>0.2</b>	<b>1700.0</b>	<b>940</b>	<b>5.2</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>64.0</b>	<b>0.0</b>
<b>0.8</b>	<b>2800.0</b>	<b>1400</b>	<b>5.8</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>92.0</b>	<b>10.0</b>
<b>0.5</b>	<b>2075.0</b>	<b>1170</b>	<b>5.4</b>	<b>0.6</b>	<b>#DIV/0!</b>	<b>0.0</b>	<b>79.0</b>	<b>4.5</b>

s CaCO <sub>3</sub> , mg/l	Ca as CaCO <sub>3</sub> , mg/l	Mg as CaCO <sub>3</sub> , mg/l	Chloride , mg/l	Sulphate , mg/l	PO <sub>4</sub> <sup>3-</sup> -P, mg/l	Flouride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
98	64	34	17.9	22.8	0.003	0.319	6.72	39
132	64	68	49	55.05	0.082	0.934	10.08	11
84	80	4	26	22.5	0.059	0.113	15.12	10
78	44	34	19.2	21.2	0.093	0.392	3.08	4
<b>78.0</b>	<b>44.0</b>	<b>0.0</b>	<b>17.9</b>	<b>21.2</b>	<b>0.0</b>	<b>0.1</b>	<b>3.1</b>	<b>4.0</b>
<b>132.0</b>	<b>80.0</b>	<b>0.0</b>	<b>49.0</b>	<b>55.1</b>	<b>0.1</b>	<b>0.9</b>	<b>15.1</b>	<b>39.0</b>
<b>98.0</b>	<b>63.0</b>	<b>#DIV/0!</b>	<b>28.0</b>	<b>30.4</b>	<b>0.1</b>	<b>0.4</b>	<b>8.8</b>	<b>16.0</b>

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmiu m, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
142	118	5	10.4	1.1	0.034	6	2.3	9.3
214.3	186	13	29.8	5.1	0.37	5.8	8.4	8.6
161	130	4.2	18.4	3.8	0.01	1.9	4.1	6.3
120	100	4.9	16.3	2.6	0.072	2.3	1.9	2.9
<b>120.0</b>	<b>100.0</b>	<b>0.0</b>	<b>10.400</b>	<b>1.100</b>	<b>0.010</b>	<b>1.900</b>	<b>1.9</b>	<b>2.90</b>
<b>214.3</b>	<b>186.0</b>	<b>0.0</b>	<b>29.800</b>	<b>5.100</b>	<b>0.370</b>	<b>6.000</b>	<b>8.4</b>	<b>9.30</b>
<b>159.3</b>	<b>133.5</b>	<b>#DIV/0!</b>	<b>18.725</b>	<b>3.150</b>	<b>0.122</b>	<b>4.000</b>	<b>4.18</b>	<b>6.78</b>

m Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Mercury, micro gm/l	Total, micro gm/l
35.4	7.1	8.8	0.05	854
55	5.2	12.6	0.08	485
16	7	11.2	0.08	1290
61	5.8	12.4	0.04	298
<b>16.00</b>	<b>5</b>	<b>9</b>		
<b>61.00</b>	<b>7</b>	<b>13</b>		
<b>41.85</b>	<b>6</b>	<b>11</b>		