

**Water Quality Characteristics of River Kosi, Bazpur Road, Kashipur (Udham Singh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	12	7.2	8.2	2.6	16
Feb-13	12	7.5	8.2	2.4	14
Mar-13	15	7.4	7.8	2.4	14
Apr-13	20	7.3	7.8	2.4	16
May-13	22	7.3	7	2.4	16
Jun-13	23	7.2	7.6	2.8	14
Jul-13	20	7.3	7.4	2.6	18
Aug-13	19	7.1	7.8	2.2	15
Sep-13	-	-	-	-	-
Oct-13	18	7.2	6.8	2.6	22
Nov-13	17	7.70	6.5	4.80	32
Dec-13	11	7.3	7.2	5.2	38
<b>Average</b>	17.18	7.28	7.48	2.76	18.3
<b>Quality Criteria For Class B</b>		<b>6.0-8.5</b>	<b>5 mg/l or more</b>	<b>3 mg/l or less</b>	-

**River Dhella (U/s Moradabad Road.), Kashipur (Udham Singh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	12	7.3	0.4	18	210
Feb-13	12	7.1	0.8	30	238
Mar-13	15	7.3	0.8	25	175
Apr-13	20	7.6	0.4	56	235
May-13	22	7.5	0.4	76	235
Jun-13	23	7.4	1.2	53	216
Jul-13	20	7.5	0.8	64	234
Aug-13	20	7.4	0.6	60	218
Sep-13	-	-	-	-	-
Oct-13	18	6.9	0.4	36	226
Nov-13	17	7.3	0.0	42	348
Dec-13	11	7.5	2.2	54	418
<b>Average</b>	<b>17.28</b>	<b>7.35</b>	<b>0.72</b>	<b>46.72</b>	<b>250.27</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Dhella D/S Aliganj Road,Thakurdwara**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	12	7.1	0.6	13	160
Feb-13	12	6.7	0.6	24	170
Mar-13	15	6.8	0.8	18	148
Apr-13	20	7.2	0.6	44	214
May-13					
Jun-13	23	7.2	1.8	18	145
Jul-13	21	7.1	1.4	16	162
Aug-13	20	7.2	1.0	18	186
Sep-13					
Oct-13	18	6.6	0.8	24	120
Nov-13	17	7.8	0.4	38	182
Dec-13	12	7.4	2.6	34	178
<b>Average</b>	<b>17.0</b>	<b>7.16</b>	<b>1.08</b>	<b>24.7</b>	<b>166.5</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Bhella (U/S Ramnagar Road), Kashipur (Udhamsingh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	12	7.1	1.8	6.5	34
Feb-13	12	6.9	1.0	14	95
Mar-13	15	7.0	1.2	15	90
Apr-13	20	7.1	0.8	26	120
May-13	22	6.9	0.4	45	165
Jun-13	23	7.2	0.8	14	86
Jul-13	20	7.1	1.0	16	92
Aug-13	20	7.2	1.2	20	110
Sep-13					
Oct-13	18	7.1	2.0	14	84
Nov-13	17	6.7	2.2	22	134
Dec-13	12	7.1	2.2	22	134
<b>Average</b>	<b>17.36</b>	<b>7.03</b>	<b>1.32</b>	<b>19.5</b>	<b>104</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Bhella (D/S Lohiya Bridge), Kashipur, (Udhamsingh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	12	7.1	1.4	7.5	40
Feb-13	12	6.6	0.6	16	125
Mar-13	15	6.9	0.8	18	132
Apr-13	20	6.7	0.4	32	145
May-13					
Jun-13	23	7.0	0.6	18	120
Jul-13	22	7.2	0.8	16	126
Aug-13	20	7.1	0.6	24	138
Sep-13					
Oct-13	18	6.5	1.6	20	140
Nov-13	17	6.9	0.0	32	186
Dec-13	12	6.9	0.6	26	142
<b>Average</b>	<b>17.1</b>	<b>6.89</b>	<b>0.74</b>	<b>20.95</b>	<b>129.4</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Pilkhar after Bilaspur, Udhamsingh Nagar**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data Aavailable				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13		7.3		8.6	32
Nov-13		7.50		14	62
Dec-13		7.4		12	54
<b>Average</b>		<b>7.35</b>		<b>10.3</b>	<b>43</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Nandour, (U/S Sitarganj) (Udham Singh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data Available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13		7.4		2.6	10
Nov-13		7.20		2.80	14
Dec-13		7.2		2.4	12
<b>Average</b>		<b>7.3</b>		<b>2.5</b>	<b>11</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Nandour, (D/S Sitarganj) (Udham Singh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data Available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13	-	7.3	-	2.6	28
Nov-13	-	7.20	-	2.90	16
Dec-13	-	7.1	-	2.6	16
<b>Average</b>		<b>7.2</b>	<b>-</b>	<b>2.6</b>	<b>22</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Kichha (U/S Nagarblla), Kashipur, (Udham Singh Nagar)**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13					
Nov-13	7.30			10.40	52
Dec-13	7.3			12	56
<b>Average</b>	<b>7.05</b>			<b>10.3</b>	<b>47</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**Nainital Lake Water Intake**

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13					
Nov-13		7.6		1.4	18
Dec-13		7.7		1.2	6
<b>Average</b>		<b>7.65</b>		<b>1.3</b>	<b>12</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

### Bheemtal Lake, Nainital

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13					
Nov-13		7.6		1.4	8
Dec-13		7.7		1.2	8
<b>Average</b>		<b>7.65</b>		<b>1.3</b>	<b>8</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

### River Gola, Nainital

Month	Temp °C	ph	DO (mg/L)	BOD (mg/l)	COD (mg/l)
Jan-13	No Data available				
Feb-13					
Mar-13					
Apr-13					
May-13					
Jun-13					
Jul-13					
Aug-13					
Sep-13					
Oct-13					
Nov-13		7.6		1.8	10
Dec-13		7.5		1.4	10
<b>Average</b>		<b>7.55</b>		<b>1.6</b>	<b>10</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			