

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

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	8	7.1	8	12	36
Feb-14	7	7.2	7.8	8	15
Mar-14	-	6.9	-	10	22
Apr-14	-	7.2	-	12	28
May-14	32	7.1	7.2	10	24
Jun-14	28	7.2	7	18	26
Jul-14	24	7.3	8.4	1.2	9.4
Aug-14	30.2	7.1	8.2	2.8	12
Sep-14	28	7.1	7.8	2.2	10.2
Oct-14	28	7.2	8	2	10
Nov-14	22	7.1	8.2	2.2	11
Dec-14	12	7	8.6	2.2	10.4
<b>Average</b>	21.9	7.1	7.9	6.8	17.8
<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)**

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	9.0	7.3	3.2	58.0	448.0
Feb-14	7.0	7.3	2.8	46.0	98.0
Mar-14	-	7.2	-	64.0	182.0
Apr-14	-	7.3	-	56.0	168.0
May-14	34.0	6.9	0.0	64.0	182.0
Jun-14	30.1	7.1	0.0	58.0	172.0
Jul-14	28.0	7.3	1.4	38.0	172.0
Aug-14	33.4	7.3	2.8	18.0	92.0
Sep-14	29.0	7.3	3.2	12.0	38.0
Oct-14	29.0	7.2	3.0	14.0	42.0
Nov-14	24.0	7.3	3.8	12.2	40.0
Dec-14	12.0	7.3	3.8	10.8	46.0
<b>Average</b>	<b>23.5</b>	<b>7.2</b>	<b>2.4</b>	<b>37.5</b>	<b>140</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

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

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	9.0	7.7	1.4	22.0	156.0
Feb-14	9.0	7.4	1.0	34.0	162.0
Mar-14	-	7.4	-	42.0	136.0
Apr-14	-	7.5	-	38.0	132.0
May-14	34.0	6.4	0.0	42.0	142.0
Jun-14	29.8	7.1	0.0	42.0	136.0
Jul-14	25.8	7.2	2.2	22.0	124.0
Aug-14	33.8	7.5	1.8	20.0	124.0
Sep-14	28.0	7.3	1.6	18.0	44.0
Oct-14	28.0	7.4	1.8	20.0	48.0
Nov-14	24.0	7.4	2.4	26.6	49.0
Dec-14	12.0	7.4	3.4	30.0	72.8
<b>Average</b>	<b>23.3</b>	<b>7.3</b>	<b>1.5</b>	<b>29.7</b>	<b>110.4</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

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

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	9.0	7.0	2.4	28.0	152.0
Feb-14	9.0	7.1	2.8	28.0	96.0
Mar-14		7.0		32.0	86.0
Apr-14		7.1		26.0	78.0
May-14	33.0	6.9	2.2	28.0	80.0
Jun-14	29.1	6.8	2.2	26.0	78.0
Jul-14	25.1	7.1	2.8	10.0	54.0
Aug-14	33.4	7.1	2.8	10.0	46.0
Sep-14	28.0	7.2	3.4	12.0	42.0
Oct-14	28.0	7.2	3.2	10.0	38.0
Nov-14	24.0	7.2	2.4	10.4	38.0
Dec-14	12.0	7.2	2.6	10.2	36.8
<b>Average</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-14	9.0	7.1	0.6	84.0	182.0
Feb-14	9.0	7.0	0.4	68.0	214.0
Mar-14		6.5		68.0	214.0
Apr-14		7.1		56.0	182.0
May-14	34.0	6.0	0.0	52.0	176.0
Jun-14	34.0	6.0	0.0	56.0	182.0
Jul-14	30.0	7.4	1.6	12.0	82.0
Aug-14	32.8	7.1	1.6	18.0	94.0
Sep-14	28.0	7.0	0.8	20.0	52.0
Oct-14	29.0	6.9	0.6	18.0	34.0
Nov-14	24.0	7.0	0.6	16.4	34.0
Dec-14	12.0	6.9	0.2	28.0	64.0
<b>Average</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-14		7.4		8	24
Feb-14		7.5		9	28
Mar-14		7.4		9.6	36
Apr-14		7.4		8	34
May-14	33	7.3	4.8	10	36
Jun-14		River dry			
Jul-14	26	7.4	6.2	3.2	22
Aug-14	33.7	7.4	5.6	3.8	24
Sep-14	28	7.1	4.6	3.4	18
Oct-14	27	7.2	3.8	3.6	20
Nov-14	24	7.4	4.6	3.2	18
Dec-14	12	7.5	4.2	8	22
<b>Average</b>	<b>26.2</b>	<b>7.3</b>	<b>4.8</b>	<b>6.3</b>	<b>25.6</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-14	-	7.1	-	2.4	14
Feb-14	-	7.2	-	2.6	10
Mar-14	-	7.1	-	2.2	9.6
Apr-14	-	7.1	-	2.4	8.8
May-14	24	7.1	8.2	2	8.2
Jun-14	River dry				
Jul-14	24	7.1	8.4	2.2	8
Aug-14	30	7.1	8.6	1.8	4
Sep-14	26	7.1	8.6	1.6	6.4
Oct-14	26	7	8.4	1.8	6.6
Nov-14	20	7.1	8.6	1.6	6.4
Dec-14	11	7	8.2	1.6	6.8
<b>Average</b>	<b>23</b>	<b>7.0</b>	<b>8.4</b>	<b>2.0</b>	<b>8.0</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-14		7.2		5.8	22
Feb-14		7.2		6	24
Mar-14		7.2		6.4	22
Apr-14		7.2		5.2	18
May-14	24	7.2	8	5.6	16
Jun-14					
Jul-14	24	7.2	8.2	2.8	8.6
Aug-14	24	7.2	8.4	2.4	6
Sep-14	26	7.2	7.8	2	8.2
Oct-14	26	7.2	8	2.2	8.6
Nov-14	20	7.1	8.6	1.6	6.4
Dec-14	12	7.3	8	3.8	8.6
<b>Average</b>	<b>22.2</b>	<b>7.2</b>	<b>8.1</b>	<b>3.9</b>	<b>13.4</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

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

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	-	7.3	-	18	74
Feb-14	-	7.4	-	25	86
Mar-14	-	7.3	-	24	72
Apr-14	-	7.4	-	22	68
May-14	28	7.4	4.8	24	66
Jun-14	37.6	7.2	2.8	26	72
Jul-14	28.6	7.4	5.6	3.8	17.6
Aug-14	31.8	7.4	3.8	8.2	18.4
Sep-14	28	7.3	3.8	8	20
Oct-14	28	7.4	4	8.4	32
Nov-14	21	7.3	4.6	7.8	30.8
Dec-14	12	7.3	0.4	12.8	52
<b>Average</b>	<b>26.8</b>	<b>7.3</b>	<b>3.7</b>	<b>15.6</b>	<b>50.7</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**Nainital Lake Water Intake**

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	-	7.9	-	1.2	5
Feb-14	-	7.7	-	1.2	5
Mar-14	-	7.8	-	1.4	8
Apr-14	-	7.7	-	1.6	8
May-14	19	7.8	7.8	1.4	8
Jun-14	20	7.6	7.2	1.8	8
Jul-14	19	7.8	7	1.8	8
Aug-14	17	7.73	7.6	1.6	7
Sep-14	-	-	-	-	-
Oct-14	-	-	-	-	-
Nov-14	12	8.1	7.8	1.8	6
Dec-14	9	7.7	7.6	1.6	7
<b>Average</b>	<b>16</b>	<b>7.7</b>	<b>7.5</b>	<b>1.54</b>	<b>7</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**Bheemtal Lake, Nainital**

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	-	7.6	-	1.4	6
Feb-14	-	7.6	-	1.2	6
Mar-14	-	7.7	-	1.6	6
Apr-14	-	7.8	-	1.6	8
May-14	20	7.8	8	1.8	10
Jun-14	21	7.9	7.8	1.4	6
Jul-14	20	7.5	7.8	1.4	10
Aug-14	18	7.43	7.4	1.2	6
Sep-14	-	-	-	-	-
Oct-14	-	-	-	-	-
Nov-14	13	7.7	8.2	1	4
Dec-14	11	7.5	7.9	1.2	6
<b>Average</b>	<b>17.1</b>	<b>7.6</b>	<b>7.8</b>	<b>1.3</b>	<b>6.8</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			

**River Gola, Nainital**

<b>Month</b>	<b>Temp °C</b>	<b>ph</b>	<b>DO (mg/L)</b>	<b>BOD (mg/l)</b>	<b>COD (mg/l)</b>
Jan-14	-	7.7	-	1.4	6
Feb-14	-	7.6	-	1.4	6
Mar-14	-	7.5	-	1.4	6
Apr-14	-	7.8	-	1.2	6
May-14	19	7.6	7.8	1.2	5
Jun-14	19	7.6	7.8	1.2	5
Jul-14	18	7.4	7.6	1.6	8
Aug-14	18	7.42	6.8	1.4	4
Sep-14	-	-	-	-	-
Oct-14	-	-	-	-	-
Nov-14	14	7.6	7.2	1.2	6
Dec-14	11	7.8	7.6	1.6	6
<b>Average</b>	<b>16.5</b>	<b>7.6</b>	<b>7.4</b>	<b>1.3</b>	<b>5.8</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			