

**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-15	12	7	8.4	2	10
Feb-15	18	7.3	6	4	20
Mar-15	-	-	-	-	
Apr-15	24	7.2	7	10.6	38
May-15	30	7.1	6.6	8	28
Jun-15	30	7	7.2	5	14
Jul-15	32	7.2	7	4.8	12.6
Aug-15	32	7.2	6.4	6	18
Sep-15	32	7.1	6.8	5.8	16
Oct-15	30	7	6.8	5.6	14
Nov-15	18	7.2	6.8	6	18
Dec-15	17	7.2	6.8	4	14
<b>Average</b>	<b>25</b>	<b>7.13</b>	<b>6.89</b>	<b>5.61</b>	<b>18.41</b>
<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>	<b>-</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-15	12	7.2	4	10	34
Feb-15	18	7.4	4.6	8	48
Mar-15	-	-	-	-	-
Apr-15	24	7.3	5.6	22	84
May-15	river dry				
Jun-15	29	7	6.6	8	20
Jul-15	32	7.1	6	6	18
Aug-15	33	7.2	5.2	6	18
Sep-15	31	7.2	5	8.4	20
Oct-15	30	7.3	4.8	9.2	22
Nov-15	18	7.2	5.2	6.8	16
Dec-15	17	7.3	5.4	8	22
<b>Average</b>	<b>24.4</b>	<b>7.22</b>	<b>5.24</b>	<b>9.24</b>	<b>30.2</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-15	12	7.4	0.2	26.4	50.8
Feb-15	18	7.4	0.6	62	286
Mar-15	-	-	-	-	-
Apr-15	33.5	7.5	0	56	246
May-15	river dry				
Jun-15	33	7.4	2.2	18	52
Jul-15	34	7.3	1.6	12	44
Aug-15	32	7.4	2.8	18	78
Sep-15	33	7.3	4	22	84
Oct-15	33	7.4	2	26	88
Nov-15	18	7.3	1.2	28	96
Dec-15	18	7.6	1.8	50	148
<b>Average</b>	<b>26.45</b>	<b>7.4</b>	<b>1.64</b>	<b>31.84</b>	<b>117.28</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-15	12	7.2	2.6	10.2	36.8
Feb-15	18	7.2	3.8	10	42.8
Mar-15	-	-	-	-	-
Apr-15	24.5	7.2	6.8	10.6	38
May-15	river dry				
Jun-15	28	7	6.4	7	28
Jul-15	32	7.1	6.4	7	28
Aug-15	32	7.0	6.6	4.8	12
Sep-15	30	7.2	6.8	4.6	10
Oct-15	30	7.2	6.8	4.4	11.4
Nov-15	18	7	8.2	4.2	12
Dec-15	17	7.1	8.4	4	12
<b>Average</b>	<b>24.15</b>	<b>7.12</b>	<b>6.28</b>	<b>6.68</b>	<b>23.1</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-15	12	6.9	0.2	18.6	36
Feb-15	18	7.3	1.2	22	62
Mar-15	-	-	-	-	-
Apr-15	27	6.9	0	110	456
May-15	34	6.8	0	146	832
Jun-15	31	7.1	0.8	22	58
Jul-15	33.2	7.1	0.8	16	52
Aug-15	32	6.9	0.2	28	64
Sep-15	30	7	0	32	74
Oct-15	30	7	0	34	78
Nov-15	20	6.8	0	36	98
Dec-15	18	7	0.2	42	126
<b>Average</b>	<b>25.92</b>	<b>6.98</b>	<b>0.30</b>	<b>47.46</b>	<b>176</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-15	12	7.4	5	3	16
Feb-15	18	7.4	7.2	0.8	8
Mar-15	-	-	-	-	-
Apr-15	26	7.4	5.8	12	46
May-15	30	7.4	5.8	10	42
Jun-15	32	7.4	6.2	5.2	20
Jul-15	34	7.6	6	5	18.4
Aug-15	32	7.4	5.8	6	22
Sep-15	31	7.5	5.4	6.4	24
Oct-15	31	7.5	5.2	6.8	26
Nov-15	20	7.3	5.2	6	18
Dec-15	18	7.5	5.4	5.8	16
<b>Average</b>	<b>25.81</b>	<b>7.43</b>	<b>5.72</b>	<b>6.09</b>	<b>23.30</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-15	11	7	8.4	1.4	6.2
Feb-15	18	7.1	8.2	2.2	6
Mar-15	-	-	-	-	-
Apr-15	24	7.1	8	2.6	8.4
May-15	river dry				
Jun-15	26	7	8.6	3.2	8
Jul-15	25	7	8.4	3.8	10
Aug-15	33	7.2	6.4	4	12
Sep-15	33	7.2	6.2	4.4	10
Oct-15	30	7.1	6.4	4.2	10
Nov-15	17	7.1	6.6	5.4	10
Dec-15	18	7	6.8	5.2	14
<b>Average</b>	<b>23.5</b>	<b>7.08</b>	<b>7.4</b>	<b>3.64</b>	<b>9.46</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-15	12	7.2	8	2.2	8.2
Feb-15	18	7.1	7.8	3.6	8
Mar-15	-	-	-	-	-
Apr-15	24	7.2	7.8	2.8	8.6
May-15	river dry				
Jun-15	26	7.1	8.2	3.8	14
Jul-15	26	7.2	8	4	12
Aug-15	33	7.1	6	6	16
Sep-15	33	7.1	6	5.8	14
Oct-15	30	7.2	6	5.4	14.6
Nov-15	18	7.2	6.2	5.8	14
Dec-15	18	7.2	6	5	18
<b>Average</b>	<b>23.8</b>	<b>7.16</b>	<b>7</b>	<b>4.44</b>	<b>12.37</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-15	12	7.4	0.6	10.6	38.2
Feb-15	18	7.5	2.6	8	56
Mar-15	-	-	-	-	-
Apr-15	32.4	7.4	3.2	10.2	48
May-15	33.4	7.3	4.2	12	46
Jun-15	33	7.4	3.8	7.8	26
Jul-15	30	7.4	4	8	28
Aug-15	33	7.3	3.8	10	32
Sep-15	31	7.3	4.6	10	28
Oct-15	30	7.4	3.8	12	30
Nov-15	20	7.4	3.8	24	56
Dec-15	20	7.5	4.2	18	64
<b>Average</b>	<b>26.61</b>	<b>7.39</b>	<b>3.50</b>	<b>11.87</b>	<b>41.10</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-15	11	7.2	7.2	1.4	7
Feb-15	12	7.6	7.8	1.6	6
Mar-15	12	7.8	7.2	1.8	6
Apr-15	15	7.7	7.4	1.8	8
May-15	17	7.2	7.6	1.6	6
Jun-15	14	7.4	7.4	1.4	5
Jul-15	13	6.9	7	1.6	6
Aug-15	13	7.6	7.6	1.4	7
Sep-15	12	7.8	7.2	1.8	6
Oct-15	12	7.6	7	1.4	5
Nov-15	11	7.6	7.2	1.6	6
Dec-15	12	7.2	7.6	1.6	6
<b>Average</b>	<b>12.66</b>	<b>7.46</b>	<b>7.35</b>	<b>1.58</b>	<b>6.16</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-15	9	7.9	7.6	1.4	6
Feb-15	11	7.6	8.2	1.2	5
Mar-15	10	7.2	7.8	1.6	6
Apr-15	16	7.8	7.2	1.4	8
May-15	18	7.4	7.4	1.4	7
Jun-15	15	7.6	7.6	1.6	6
Jul-15	14	7.7	7.4	1.6	7
Aug-15	13	7.42	7.2	1.8	5
Sep-15	13	7.68	7.6	1.2	4
Oct-15	12	7.4	7.2	1.4	5
Nov-15	12	7.8	7.8	1.2	6
Dec-15	10	7.8	7.6	1.2	6
<b>Average</b>	<b>12.75</b>	<b>7.60</b>	<b>7.55</b>	<b>1.41</b>	<b>5.91</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-15	10	7.82	7.8	1.4	5
Feb-15	13	7.4	7.6	1.4	5
Mar-15	15	7.7	7.9	1.2	6
Apr-15	18	7.9	7.8	1.2	5
May-15	21	7.6	7.6	1.4	7
Jun-15	16	7.8	7.8	1.6	6
Jul-15	15	7.9	7.9	1.4	5
Aug-15	15	7.62	7.4	1.2	5
Sep-15	14	7.4	6.8	1.4	6
Oct-15	14	7.6	7	1.2	6
Nov-15	13	7.9	7.4	1.4	5
Dec-15	11	7.4	7.2	1.6	6
<b>Average</b>	<b>14.58</b>	<b>7.67</b>	<b>7.51</b>	<b>1.36</b>	<b>5.58</b>
<b>Quality Criteria For Class E</b>		<b>6.0-8.5</b>			