

**WATER QUALITY CHARACTERISTICS OF KALYANI RIVER AT U/S PANTNAGAR IND. AREA, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity $\mu$ mhos/cm	Temp $^{\circ}$ C	DO mg/L	TDS mg/L
<b>2018</b>							
Jan-18	7.2	3.2	18	390	17	8.2	248
Feb-18	7.2	2.2	16	450	27	8	298
Mar-18	River Dry						
Apr-18	River Dry						
May-18	River Dry						
Jun-18	7.2	3.2	8	440	30	7.2	284
Jul-18	7.6	2.6	16	510	28	7.2	328
Aug-18	7.6	1.8	18	460	27	7.8	288
Sep-18	7.5	4	14	390	27	7.2	248
Oct-18	7.3	8	28	410	25	6.2	268
Nov-18	7.2	4.2	18	320	22	6.8	210
Dec-18	7.4	3.2	10	370	18	6.4	234
<b>Average</b>	<b>7.35</b>	<b>3.6</b>	<b>16.22</b>	<b>415.55</b>	<b>24.55</b>	<b>7.22</b>	<b>267.33</b>
<b>Min-Max</b>	<b>7.2-7.6)</b>	<b>(1.8-8)</b>	<b>(8-28)</b>	<b>(320-460)</b>	<b>(17-30)</b>	<b>(6.2-8.2)</b>	<b>(210-328)</b>
<b>2019</b>							
Jan-19	7.1	4	11	280	12	6.2	188
Feb-19	7.7	4	14	381	16	6	208
Mar-19	7.3	4.6	18	510	26	5.2	267

**WATER QUALITY CHARACTERISTICS OF KALYANI RIVER AT D/S PANTNAGAR INDUSTRIAL AREA, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity $\mu$ mhos/cm	Temp $^{\circ}$ C	DO mg/L	TDS mg/L
<b>2018</b>							
Jan-18	7.9	8.2	38	620	17	5.20	412
Feb-18	7.4	6	36	580	22	5.20	377
Mar-18	6.98	20	84	230	27	1.80	339
Apr-18	6.86	80	304	470	28	0.60	300
May-18	7.1	52	200	480	30	1.20	317
Jun-18	6.4	48	190	580	32	1.20	376
Jul-18	7.3	44	152	570	28	1.80	374
Aug-18	7.8	30	118	550	28	3.20	352
Sep-18	6.9	34	138	580	28	2.80	376
Oct-18	7.3	36	130	540	27	2.00	352
Nov-18	7.6	26	88	520	23	2.60	336
Dec-18	6.8	30	80	580	18	2.80	378
<b>Average</b>	<b>7.19</b>	<b>34.51</b>	<b>129.83</b>	<b>525</b>	<b>25.66</b>	<b>2.53</b>	<b>357.41</b>
<b>Min-Max</b>	<b>(6.4-7.9)</b>	<b>(6-80)</b>	<b>(36-304)</b>	<b>(230-620)</b>	<b>(17-32)</b>	<b>(0.60-5.20)</b>	<b>(300-412)</b>
<b>2019</b>							
Jan-19	6.7	24	68	590	14	3.20	389
Feb-19	6	20	56	530	15	2.8	356
Mar-19	7.6	14	28	490	25	4.8	304