

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

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °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
Apr-19	7.5	5.2	28	460	32	6.0	272
May-19	7.4	4.6	24	480	38	5.8	267
June-19	7.7	4.2	28	520	37	6.4	264
July-19	7.4	6	30	284	30	3.6	185
Aug-19	7.2	6.2	30	430	31	4.0	234
Sep-19	7.2	6.0	20.0	440	32	4.0	286
Oct-19	7.8	6.2	20	412	30	5.2	268
Nov-19	7.5	6.0	40	340	22	4.2	228
Dec-19	7.4	10	20	392	11	3.2	263
<b>2020</b>							
Jan-20	7.2	5.2	10	486	10	6.8	257
Feb-20	7.54	8.0	25	540	30	4.4	248
Mar-20	8.5	6	30	490	31	6	288
Apr-20	7.4	3	18	450	33	8	311
May-20	7.6	4.6	28	460	39	6.2	460
June-20	7.2	6.4	36	470	37	3.1	319
July-20	7.8	10	50	270	32	2.8	179
Aug-20	7.38	3.90	14	260	33	5.7	178
Sept-20	7.85	4.50	12.6	270	34	3.9	175
Oct-20	7.3	5.40	19	300	33	4.80	192
Nov-20	7.38	5.20	20	310	19	4.4	238
Dec-20	7.10	5.7	21	340	19	4.1	258

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

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhas/cm	Temp °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
Apr-19	7.2	12	24	510	30	2.0	362
May-19	6.8	10	26	520	36	2.4	292
June-19	7.4	6	32	560	38	2	297
July-19	7.4	12	28	389	31	1.8	407
Aug-19	7.2	6.0	30	520	30	6.4	286
Sep-19	6.5	4.0	40	520	30	1.4	286
Oct-19	7.2	6.4	60	484	29	1.8	315
Nov-19	7.0	9.0	10	423	21	2.2	284
Dec-19	7.3	22	60	425	11	1.8	285
<b>2020</b>							
Jan-20	7.3	16	40	562	10	1.4	298
Feb-20	7.16	20	40	580	30	1.6	304
Mar-20	7.9	6.8	60	540	31	2.8	317
Apr-20	7.5	5.2	36	410	33	3.7	269
May-20	7.0	6.4	44	456	39	3.1	310
June-20	7.8	8.2	44	420	37	2.9	282
July-20	7.4	15	80	760	31	2.5	502
Aug-20	7.48	4.10	14	566	32	7.30	286
Sept-20	7.34	8.0	44	730	32	2.3	287
Oct-20	7.60	14	48	550	33	2.2	372
Nov-20	7.2	15	70	560	18	2.3	386
Dec-20	6.9	13.5	79	580	10	2.0	396