

WATER QUALITY CHARACTERISTICS OF BHELLA RIVER U/S KASHIPUR, US NAGAR

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2021							
Jan-21	7.90	8.0	30	540	12	3.0	348
Feb-21	8.0	3.0	10	240	17	7.50	172
Mar-21	7.90	3.20	16	280	23	7.0	186
Apr-21	River Dry						
May-21	7.20	23	108	612	21	1.4	434
2020							
Jan-20	7.3	4.0	30	290	8.0	8.4	188
Feb-20	7.41	5.0	40	330	31	6.0	177
Mar-20	8.1	4.6	40	270	31	3.2	270
Apr-20	7.2	3	8	290	33	7	190
May-20	7.3	3.2	36	158	39	5.2	104
June-20	7.7	5.2	28	260	35	3.8	175
July-20	7.6	5	27	440	28	3.2	295
Aug-20	7.92	5.0	15	326	29	6.9	166
Sep-20	7.30	4.0	10	180	29	5.8	160
Oct-20	7.10	7.2	22	260	26	4.6	166
Nov-20	7.0	7.3	25	286	18	4.3	188
Dec-20	7.2	7.9	27	265	12	4.1	198
Average	7.43	5.12	25.67	279.58	26.58	5.21	189.75
Min-Max	(7-8.1)	(3-7.9)	(8-40)	(158-440)	(8-39)	(3.2-8.4)	(104-295)
2019							
Jan-19	7.10	2.0	6.20	240	12	7.20	158
Feb-19	7.4	1.5	5.8	251	14	6.2	136
Mar-19	7.8	1.8	30	430	20	3.2	320
Apr-19	7.3	2.0	6.2	212	28	4.8	159
May-19	River Dry						
June-19	7.5	3	28	540	38	4	177
July-19	River Dry						
Aug-19	7.3	6.6	30	260	30	4.4	129
Sep-19	6.9	4.2	40	156	30	5.2	102
Oct-19	7.30	5.0	30.0	227	32	5.2	148
Nov-19	7.30	4.0	40	173	24	3.8	116
Dec-19	7.2	6.0	20	189	12	4.6	173
Average	7.31	3.61	23.62	267.80	24.00	4.86	161.80
Min-Max	(6.9-7.8)	(1.5-6.6)	(5.8-40)	(156-540)	(12-38)	(3.2-7.2)	(102-320)
2018							
Jan-18	7.2	6	20	240	18	6.2	162
Feb-18	7.2	4	14	280	20.8	5.8	187
Mar-18	7.2	4.2	16	320	25	6.2	210
Apr-18	7.3	6	20	240	28.3	7	168
May-18	River Dry						
Jun-18	River Dry						
Jul-18	7.2	3.4	10	220	28	6	140
Aug-18	7.2	4	16	210	26	7.2	138
Sep-18	7.1	6	18	220	26	7.2	152
Oct-18	7.3	4	8.2	210	25	6.6	139
Nov-18	7.3	6.2	16	240	22	5.8	166

Dec-18	7.1	3.2	8	220	17	6.8	146
Average	7.21	4.7	14.62	240	23.61	6.48	160.8
Min-Max	(7.1-7.3)	(4-6.2)	(8-20)	(210-320)	(17-28.3)	(5.8-7.2)	(139-210)

**WATER QUALITY CHARACTERISTICS OF BHELLA RIVER AT LOHIA BRIDGE D/S
KASHIPUR, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2021							
Jan-21	6.90	28	160	690	14	0.80	437
Feb-21	6.90	24	96	630	21	1.40	412
Mar-21	6.50	26	104	650	24	1.20	434
Apr-21	6.80	27	119	695	23	1.10	479
May-21	6.80	29	131	695	21	1.10	467
2020							
Jan-20	7.6	22	70	576	8.0	1.6	374
Feb-20	7.5	24	80	580	30	4.0	335
Mar-20	7.3	28	160	600	30	0.2	356
Apr-20	6.6	22	140	620	33	0.6	373
May-20	6.8	22	120	347	39	1.0	246
June-20	6.2	26	160	570	36	0.4	385
July-20	7.2	19.5	130	330	29	1.0	225
Aug-20	7.44	20	80	435	30	2.6	292
Sep-20	7.32	18	74	430	30	2.5	294
Oct-20	6.80	19.5	56	690	32	1.8	470
Nov-20	6.7	20	85	650	19	1.5	472
Dec-20	6.9	26	86	670	19	1.3	500
Average	7.03	22.25	103.42	541.50	27.92	1.54	360.17
Min-Max	(6.2-7.6)	(18-28)	(56-160)	(330-690)	(8-39)	(0.2-4)	(225-500)
2019							
Jan-19	6.80	48	120	570	13	0.80	367
Feb-19	7.3	42	102	556	13	0.4	334
Mar-19	6.3	5.6	160	750	21	0.2	510
Apr-19	7.5	42	110	540	28	0	349
May-19	6.8	44	120	560	36	0.2	398
June-19	7.3	20	60	660	38	0.2	422
July-19	7.1	40	130	360	30	0	234
Aug-19	6.9	48	140	320	30	0.0	155
Sep-19	6.8	52	190	244	30	0.80	159
Oct-19	7.30	44	90	489	29	0.60	318
Nov-19	7.10	20	100	516	27	0.70	346
Dec-19	7.4	20	60	288	12	3.0	193
Average	7.05	35.47	115.17	487.75	25.58	0.58	315.42
Min-Max	(6.3-7.5)	(5.6-52)	(60-190)	(244-750)	(12-38)	(0-3)	(155-510)
2018							
Jan-18	7.4	18	48	440	20	1.2	291
Feb-18	7.4	44	108	460	20.2	2.2	301
Mar-18	7.5	38	128	580	26.2	1.2	381
Apr-18	7.68	40	156	690	26	1.2	454
May-18	7.9	52	168	700	30	0.8	462
Jun-18	7.8	48	150	660	32	1.2	428
Jul-18	6.8	32	88	590	29	0.8	387
Aug-18	6.9	34	98	560	29	1.8	362

Sep-18	6.8	40	140	540	28	1.6	374
Oct-18	7.5	48	110	510	27	0	332
Nov-18	7.6	26	88	520	23	2.6	336
Dec-18	6.8	44	110	370	20	0.4	240
Average	7.32	39.5	117.66	558.33	25.78	1.1	366.66
Min-Max	(6.8-7.9)	(18-52)	(48-168)	(370-700)	(20-32)	(0-2.6)	(240-462)