

**WATER QUALITY CHARACTERISTICS OF KOSI RIVER AT KASHIPUR BAJPUR
ROAD BRIDGE, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO	TDS
2025							
Jan	7.75	2.2	10	594	20.9	8.0	358
Feb	7.94	2.5	12	616	20.8	7.6	368
Mar	7.92	2.8	14	598	29.6	7.4	358
Apr	7.51	1.6	5	230	19	7.6	157
May	7.94	2.8	15	556	27	6.8	334
June	7.92	2.2	20	544	29.5	6.9	326
July	7.84	2.0	16	671	29.4	7.1	402
Aug	7.80	1.5	12	284	28.7	7.7	170
Sept	7.90	2.0	15	337	32.1	7.9	202
Oct	7.93	2.0	13	322	27.3	8.2	193
Nov	7.89	1.5	11	460	23.2	8.5	276
Dec	7.66	2.1	14	465	18.3	7.8	281
2024							
Jan	7.20	2.2	14.0	267	16	7.9	178
Feb	7.62	2.4	16.0	370	18	7.7	246
Mar	7.84	2.2	14.0	434	21	8.0	286
Apr	7.92	2.6	16.0	594	26	7.6	356
May	7.32	2.5	14.0	544	33	7.8	364
June	7.88	2.8	16.0	494	33	7.5	296
July	7.55	1.8	12	285	31	7.8	176
Aug	7.51	2.1	12	260	30	7.4	158
Sept	7.38	2.0	10.4	316	30	7.6	191
Oct	7.56	2.2	12	484	30	7.4	292
2023							
Jan	7.24	1.2	5.0	210	10	8.6	145
Feb	7.88	1.8	6.0	240	12	8.4	171
Mar	7.18	1.4	5.0	230	14	8.4	160
Apr	7.35	1.8	6.0	240	17	8.2	160
May	7.61	2.2	6.0	230	20	7.6	151
June	7.80	2.0	20.0	558	31	7.3	365
July	7.90	2.2	20.0	248	28	7.0	152
Aug	7.50	2.6	16.0	230	28	7.2	131
Sept	7.50	2.8	16.0	211	29	7.0	119
Oct	7.26	2.0	6.0	230	16	7.8	157
Nov	7.67	1.6	6.0	240	15	8.0	160
2022							
Jan	7.9	3.1	10	410	8	7	277
Feb	7.20	3.0	9.6	260	22	7.2	174
Mar	7.60	3.2	10	300	25	6.1	210
Apr	7.70	3.0	10	310	28	6.7	210
May	7.50	3.4	12.8	447	28	6.5	300
June	7.30	3.2	11	515	30	6.5	345
July	7.50	3.5	14	506	28	6.8	340
Aug	7.10	6.0	35.5	220	30	6.0	146
Sept	8.10	5.0	23.8	211	28	6.1	139
Oct	8.0	5.2	24	203	25	5.8	135
Nov	8.10	5.2	26	356	24	5.6	236
Dec	7.24	1.6	6.0	230	13	9.2	157
2021							

Jan	7.90	4.0	24	750	14	4.60	503
Feb	7.90	3.0	16	700	23	9.80	472
Mar	7.80	3.20	12	640	25	8.80	428
Apr	7.50	3.50	15	632	24	8.50	388
May	7.20	3.20	12	612	22	8.70	323
June	7.40	3.0	10	618	24.8	9.0	414
July	7.30	6.0	20	710	28	4.50	480
Aug	7.40	4.90	14.30	697	33	6.60	466
Sep	7.5	4.6	13.8	688	32	6.8	460
Oct	7.3	5.50	20	600		5.20	396
Nov	7.1	5	18.5	589		6.1	394.63
Dec	7.40	4.6	16	560	27	6.5	375
2020							
Jan	7.3	4.0	8.0	404	30	6.4	262
Feb	7.46	4.0	25	430	30	5.9	259
Mar	8.3	3	20	200	32	6	123
Apr	7.5	3.5	20	450	32	6.6	298
May	7.8	3.6	24	369	40	5	253
June	8.10	4.6	24	256	36	3.2	370
July	7.9	4	19	420	29	4.2	281
Aug	7.96	4.8	16	390	32	6.7	274
Sep	7.96	4.9	17.3	393	31	6.3	270
Oct	7.9	4.0	20	410	32	4.2	274
Nov	7.8	4.5	21	420	18	4.1	314
Dec	7.3	4.6	20	410	17	4.3	304
Average	7.8	4.1	19.5	379.3	29.9	5.2	273.5
Min-Max	(7.3-8.3)	(3-4.9)	(8-25)	(200-450)	(17-40)	(3.2-6.7)	(123-370)
2019							
Jan	7.20	2	4	430	12	8.20	280
Feb	7.60	4	18	390	15	6.2	264
Mar	8.1	12	36	510	24	8.2	267
Apr	7.4	3.4	18	280	30	5.8	286
May	7.6	3.8	22	320	38	6.0	330
June	7.4	3	24	580	38	6.2	275
July	7.6	2	20	429	32	4.6	279
Aug	7.1	2.4	25	210	32	6.2	199
Sep	7.1	3.4	20	278	32	4.60	181
Oct	7.5	5.0	10.0	261	30	4.8	170
Nov	7.1	8.0	30	471	28	3.0	316
Dec	7.3	4.6	10	320	12	4.2	215
Average							
Min-Max							
2018							
Jan	7.1	4	14.2	310	19.7	7.2	198
Feb	7.3	2.2	14	330	22	7.8	220
Mar	6.8	6	18	330	28	6.4	222
Apr	7.48	14	38	510	26	4	336
May	7.3	12	32	430	29	5.2	276
June	7.3	10	28	330	29	6.4	216
July	7.4	4	12	340	28	6.8	225
Aug	7.2	3.2	10	310	26	7.2	202
Sep	6.9	3.4	12	280	26	7.2	184
Oct	7.2	3.2	10	270	26	6.8	186
Nov	7.1	4.8	12	270	23	6.6	176

Dec	7.5	2.4	10	410	16	7.6	260
Average	7.21	5.76	17.51	343.33	24.89	6.6	225.08
Min-Max	(6.8-7.5)	(2.2-12)	(10-38)	(270-510)	(16-29)	(4-7.8)	(176-336)