

**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
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
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)