

**WATER QUALITY CHARACTERISTICS OF DHELA RIVER U/S AT KASHIPUR
MORADABAD ROAD BRIDGE.**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2025							
Jan	7.96	2.2	12	369	22.5	6.8	221
Feb	7.84	2.6	14	364	18.4	6.6	216
Mar	River was Dry						
Apr							
May							
June	7.95	2.6	15	368	27.5	6.1	222
July	8.19	2.4	14	360	33.6	6.5	215
Aug	7.50	1.8	10	216	29.7	6.7	129
Sep	7.95	1.5	8	394	30.7	7.0	236
Oct	7.84	1.2	8	338	26.1	7.2	203
Nov	8.19	1.3	10	377	21.1	7.5	226
Dec	7.75	1.6	15	350	16.2	7.3	211
2024							
Jan	7.60	2.4	16.0	205	13	7.2	136
Feb	7.84	2.5	18.0	254	20	7.0	166
Mar	7.76	2.8	20.0	358	21	6.6	238
Apr	7.88	3.0	20.0	379	32	6.4	226
May	River Dry						
June							
July	7.58	2.4	16	312	29	6.1	185
Aug	7.8	2.2	12	358	29	6.6	194
Sep	7.64	2	12	242	27	6.8	148
Oct	7.74	2.4	13.6	362	27	6.1	217
Nov							
Dec							
2023							
Jan	7.50	2.8	20.0	284	13	7.6	220
Feb	7.70	3.0	24.0	367	19	7.4	244
Mar	7.90	2.8	20.0	348	23	7.5	235
Apr	7.60	2.8	24.0	262	21	7.2	180
May	River Dry						
June	7.80	2.6	20.0	596	34	7.2	388
July	7.60	2.7	20.0	334	28	7.0	217
Aug	7.80	2.9	24.0	236	27	6.6	146
Sep	7.60	3.0	20.0	254	31	6.4	158
Oct	6.80	3.0	20.0	260	29	6.2	161
Nov	7.70	3.0	24.0	275	25	6.0	178
2022							
Jan	7.8	3.3	16	220	8	5	220
Feb	7.50	3.0	12	330	22	5.4	220
Mar	7.70	3.5	12	370	25	5.2	246
Apr	7.70	3.6	14	368	28	5	246
May	7.80	3.0	10	395	28	5.5	264
June	River was Dry						
July	7.40	3.8	20	384	28	4.0	257
Aug	7.50	3.6	22	215	30	4.2	141
Sept	7.70	3.2	20.64	202	27	5.3	133
Oct	7.90	2.8	15	253	25	7.6	166

Nov	8.10	3.5	14	264	15	5.5	174
Dec	7.70	3.2	16.0	240	19	5.6	159
2021							
Jan	7.90	5.0	24	460	19	8.10	298
Feb	7.90	4.0	10	410	12	4.80	255
Mar							
Apr	River Dry						
May	7.10	29	102	769	21	1.1	591
June	7.50	22	98	756	23	2.0	506
July	7.50	10	36	420	27	2.50	282
Aug	7.30	8.70	27.50	397	31	2.90	265
Sep	7.1	8.4	28	402		3.0	269
Oct	7.2	11	36.40	350		3.40	246
Nov	7.4	10.8	38	366		3.6	245.22
Dec	7.30	8	32	370	28	4	247.9
2020							
Jan	7.4	10	30	442	8.0	7.8	287
Feb	7.66	15	35	520	30	4.6	248
Mar	8.4	4	30	380	30	5.8	380
Apr	7.5	4	16			7.7	
May	8.0	4.0	24	316	30	6.1	219
June	8.0	8.0	32	240	36	3.5	171
July	7.8	5.6	36	280	28	3.4	189
Aug	7.41	5.8	22	256	30	6.8	128
Sep	7.51	5.70	20	250	30	6.9	129
Oct	7.80	5.2	26	340	27	4.0	200
Nov	7.6	5.5	25	326	18	3.9	228
Dec	7.2	5.9	29	485	12	3.9	338
Average	7.69	6.56	27.08	348.64	25.36	5.37	228.82
Min-Max	(7.2-8.4)	(4-15)	(16-36)	(240-520)	(8-36)	(3.4-7.8)	(128-380)
2019							
Jan	7.20	3.2	16	230	12	7.40	152
Feb	7.6	4.2	18	256	13	7.6	191
Mar	7.5	1.8	30	598	23	6.8	122
Apr	7.4	5.0	32	280	28	5.8	182
May	River Dry						
June	River Dry						
July	7.4	6.0	30	284	30	3.6	185
Aug	7.2	4.0	25	300	30	5.8	153
Sep	7.10	4.0	30	167	30	1.2	109
Oct	7.20	14.0	28	278	30	6.20	181
Nov	7.80	12	30	291	24	5.0	195
Dec	7.2	15	20	223	12	6.0	173
Average	7.36	6.92	25.90	290.70	23.20	5.54	164.30
Min-Max	(7.1-7.8)	(1.8-15)	(16-32)	(167-598)	(12-30)	(1.2-7.6)	(109-195)
2018							
Jan	7.2	12	38	270	17.2	5.2	182
Feb	7.4	4	18	280	23.2	6.4	177
Mar	7.3	8	26	280	28.2	5.4	180
Apr	River Dry						
May	River Dry						
June	River Dry						
July	River Dry						

Aug	7.4	8	24	290	29	6.2	192
Sep	7.1	7.2	20	300	28	6.2	196
Oct	7.2	8	30	280	26	5.6	182
Nov	7.3	8	18	310	23	4.6	202
Dec	7.4	4	10	230	16	6.4	146
Average	7.28	7.4	23	280	23.82	5.75	182.12
Min-Max	(7.1-7.4)	(4-12)	(10-38)	(270-300)	(16-29)	(4.6-6.4)	(146-202)

**WATER QUALITY CHARACTERISTICS OF DHELA RIVER D/S AT THAKURDWARA
ALIGANJ ROAD, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2025							
Jan	6.98	24	140	1026	19.6	1.9	615
Feb	7.13	28	180	1225	20.5	1.5	738
Mar	7.11	32	240	1426	29.7	0.9	855
Apr	7.35	34	260	1850	37	Nil	1110
May	7.13	42	313	1857	33.4	Nil	1114
June	7.44	36	288	1249	27.4	Nil	750
July	7.35	32	230	731	33.7	0.8	438
Aug	7.41	20	150	346	29	2.3	208
Sep	7.37	18	140	815	31.8	1.8	489
Oct	7.40	20	160	617	28.1	1.4	372
Nov	7.28	26	220	819	22.2	1.5	491
Dec	7.12	28	240	766	17.2	1.4	460
2024							
Jan	7.30	25.0	160.0	470	14	2.4	298
Feb	7.39	23.0	144.0	512	20	2.6	342
Mar	7.11	26.0	160.0	567	22	2.2	378
Apr	7.13	30.0	176.0	633	33	1.2	375
May	7.63	34.0	192.0	855	36	0.8	572
June	7.51	38.0	240.0	1260	36	0.7	756
July	7.19	32	176	764	31	1.8	456
Aug	7.09	36	192	842	32	1.6	509
Sep	7.21	30	160	485	28	2	297
Oct	6.95	32	176	842	30	1.6	508
Nov							
Dec							
2023							
Jan	7.20	24	144	565	12	2.3	435
Feb	7.30	38	240	710	19	1.5	472
Mar	7.20	36.0	192	972	23	1.6	640
Apr	7.00	32.0	196	990	21	1.4	815
May	7.10	34.0	188	856	28	1.2	562
June	7.40	30.0	176.0	1254	33	1.4	856
July	7.70	16.0	128.0	613	29	3.6	418
Aug	7.40	15.0	120.0	335	30	4.0	220
Sep	7.10	14.0	108.0	298	32	4.1	192
Oct	7.00	16.0	116.0	375	28	3.8	254
Nov	7.10	22.0	160.0	492	25	2.8	343
2022							
Jan	7.5	16	120	630	8	3.2	433
Feb	7.50	16	112	644	22	3.4	431.4
Mar	7.50	19.5	140	730	25	2.0	493
Apr	7.60	16.8	134.4	760	28	2.2	500
May	7.0	20	140	600	28	2.0	400
June	7.0	26	176	760	30	1.5	509
July	7.0	24	160	744	28	2.0	498
Aug	7.30	22	176	381	31	1.4	253
Sept	7.30	24	163.2	289	27	1.3	190
Oct	7.40	23	220	346	26	2.6	230

Nov	7.20	23	140	547	20	2.1	363
Dec	7.30	22.0	140.0	287	19	2.2	190
2021							
Jan	7.30	56	180	900	13	0.80	675
Feb	7.90	42	124	920	24	0.20	602
Mar	7.80	44	132	940	22	0.10	620
Apr	7.40	39	121	963	23	0.50	642
May	7.80	34	116	930	22	0.80	631
June	7.90	32	112	900	22	1.0	616
July	6.90	28	200	810	27	1.0	554
Aug	7.20	22.50	182	720	32	2.30	482
Sep	7.1	26.4	184	716		2.5	479
Oct	6.9	24	200	820		2.10	560
Nov	7.0	26.5	198	790		1.9	529.3
Dec	7.20	24	192	710	28	2.8	475
2020							
Jan	7.3	14	60	541	8.0	3.4	352
Feb	7.18	14	66	510	30	0.30	389
Mar	7.9	26	150	650	30	0.4	387
Apr	7.1	20	100			2	
May	Sample not collected due to COVID-19						
June							
July							
Aug	7.42	16	60	410	30	3.2	282
Sep	7.31	15	47	420	30	3.1	280
Oct	7.30	16	52	490	31	1.2	328
Nov	7.2	16	80	500	18	1.1	382
Dec	7.1	15	32	550	16	1.2	402
Average	7.31	16.89	71.89	508.88	24.13	1.77	350.25
Min-Max	(7.1-7.9)	(14-26)	(32-150)	(410-650)	(8-31)	(0.3-3.4)	(280-402)
2019							
Jan	7.90	12	38	720	13	2.4	474
Feb	7.4	10.6	34	649	14	2.2	421
Mar	7.9	12	49	830	24	1.8	122
Apr	7.5	12	42	480	28	2.6	256
May	River Dry						
June	River Dry						
July	7.4	12	28	389	31	1.8	407
Aug	7.6	12	60	270	31	0.8	142
Sep	6.8	60	170	176	31	0.0	115
Oct	7.4	26	60	387	30	0.4	252
Nov	7.20	18	150	704	25	0.20	472
Dec	7.4	16	50	223	12	3.4	150
Average	7.45	19.06	68.10	482.80	23.90	1.56	281.10
Min-Max	(6.8-7.9)	(10.6-60)	(28-170)	(176-830)	(12-31)	(0-3.4)	(115-474)
2018							
Jan	7.6	20	102	650	20	2.2	430
Feb	7.7	40	132	660	22.5	2.8	430
Mar	7.8	18	60	450	25.5	2.4	294
Apr	River Dry						
May							
June							
July							

Aug	7.1	20	74	140	28	3.8	268
Sep	6.9	18	60	430	28	2.8	282
Oct	7.2	16	58	380	26	2.2	246
Nov	7.2	20	58	440	23	2.6	286
Dec	6.7	22	60	600	18	2.2	377
Average	7.23	21.77	75.11	457.77	24.33	2.6	317.55
Min-Max	(6.7-7.8)	(16-40)	(58-132)	(140-660)	(18-28)	(2.2-3.8)	(245-430)