

**Water Quality Of River Ganga in UP
Year-2023**

Month	S A M P L I N G L O C A T I O N																																															
	1						2						3						4						5						6						7						8					
	U/s Kannauj						D/s Kannauj						** Nanaman Ganga Bridge, Lucknow Mohan- Hasanganj-Rasulabaad Marg, Karti Akberpur Seng, Kanpur						Bithoor Kanpur						At Bhairao Ghat (Bathing Ghat), Kanpur						U/s Kanpur						At D/s Shuklaganj, Kanpur						At Gola Ghat (Bathing Ghat), Kanpur					
pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	
January	8.40	10.50	3.3	11.2	#	#	8.48	10.30	3.5	11.2	#	#						8.29	10.80	3.2	14.0	#	#	8.20	10.30	3.4	14.4	#	#	8.18	10.90	3.6	14.8	#	#	8.24	10.5	3.8	15.2	#	#	8.31	10.2	4.1	16.8	#	#	
February	8.24	11.40	3.5	11.6	#	#	8.28	11.10	3.7	12.4	#	#						8.49	10.80	3.4	12.0	#	#	8.46	10.50	3.5	12.4	#	#	8.47	10.70	3.3	11.6	#	#	8.59	10.6	3.6	13.6	#	#	8.49	10.4	3.8	14.0	#	#	
March	8.32	10.20	3.0	11.2	#	#	8.28	10.00	3.3	11.6	#	#						8.33	9.60	3.3	11.2	#	#	8.52	9.20	3.6	12.8	#	#	8.66	8.70	3.8	12.4	#	#	8.90	8.5	4.1	14.4	#	#	8.81	8.1	4.0	14.8	#	#	
April	8.21	8.70	3.2	11.6	2100	1700	7.98	8.30	3.4	12.4	2700	2200						8.38	8.10	3.4	11.2	3100	2300	8.32	8.00	3.4	12.4	6300	3300	7.52	8.70	3.5	11.6	3400	2700	7.47	8.5	3.6	12.0	3800	2500	8.41	8.3	3.8	12.8	3100	2300	
May	8.37	8.20	3.9	12.0	2700	2200	8.18	8.00	3.5	13.2	3200	2600						8.44	8.50	4.1	12.4	3200	2600	8.50	7.00	3.8	13.2	3800	2600	8.38	8.80	4.0	12.8	3400	2700	8.36	8.6	4.2	13.2	3800	2500	8.37	8.5	4.3	13.2	3100	2300	
June	8.28	8.00	3.5	12.0	3400	2700	8.25	7.80	3.6	12.4	2700	2200						8.23	7.60	3.9	12.8	3100	2300	8.24	7.30	4.1	13.2	7900	4900	8.24	7.50	4.1	12.8	3300	2700	8.24	7.3	4.3	13.6	3800	2500	8.29	7.4	4.4	14.0	3100	2300	
July	8.36	7.30	3.6	12.0	2200	1400	8.39	7.10	3.8	12.4	3100	1600						8.12	7.20	3.9	12.4	3400	2100	8.24	6.90	4.0	12.8	6700	3400	8.19	6.70	4.2	12.4	4600	3100	8.23	6.6	4.4	13.2	5000	3400	8.39	6.4	4.4	14.0	6300	4600	
August	8.08	6.10	3.5	11.6	2700	1700	8.01	6.30	3.9	12.8	3800	2500						7.83	6.20	4.1	12.4	3800	2700	7.81	6.30	4	13.2	4100	3500	7.87	6.10	4.4	13.6	3300	2700	7.85	6.0	4.6	14.0	4600	3100	7.82	5.9	4.7	14.8	4100	2500	
September	8.09	6.40	3.3	11.2	3600	1400	8.04	6.20	3.4	11.6	4100	1500	8.01	6.40	3.30	12.00	4100	2200	7.96	6.60	3.2	12.4	3800	1700	7.95	6.40	3.4	12.0	3900	2800	7.99	6.50	3.4	12.4	3600	2000	7.95	6.3	3.5	12.8	4300	2300	7.82	6.1	3.6	13.2	4200	2400
October	8.22	7.40	3.4	11.6	4100	2500	8.19	7.30	3.5	12.0	4900	3300	8.24	7.70	3.20	12.40	3100	2300	8.21	8.00	3.1	11.6	3400	2700	8.19	7.70	3.2	12.0	3100	2300	8.13	7.50	3.4	12.8	3600	2000	8.10	7.3	3.5	13.6	4300	2300	8.03	7.1	3.6	14.4	4200	2400
November	8.40	8.40	3.2	11.2	3900	2700	8.37	8.20	3.3	11.6	4700	3400	8.38	8.40	3.00	12.00	300.00	2600.00	8.38	8.50	3.2	12.0	3200	2700	8.44	8.40	3	11.2	3200	2600	8.36	8.70	3.2	12.0	3200	2600	8.34	8.5	3.3	12.8	3900	2700	8.28	8.3	3.4	13.6	4200	2700
December	8.45	8.60	3.1	11.6	3300	2600	8.40	8.40	3.4	12.0	3900	2700	8.43	8.70	3.10	12.80	200.00	2200.00	8.40	8.80	3.4	12.4	3300	2700	8.46	8.50	3.2	11.6	4000	2700	8.36	8.60	3	12.4	4100	2700	8.32	8.4	3.2	13.2	4300	3100	8.24	8.2	3.6	14.0	4600	3300
Average	8.29	8.43	3.38	11.6	3111	2100	8.24	8.25	3.53	12.1	3678	2444	8.27	7.80	3.15	12.3	3425	2325	8.26	8.39	3.52	12.2	3367	2422	8.28	8.04	3.55	12.6	4778	3122	8.20	8.28	3.7	12.6	3611	2578	8.22	8.1	3.8	13.5	4200	2711	8.27	7.9	4.0	14.1	4100	2756
Category	D						D						D						D						D						D						D											

Autoclave is not working. ** Sampling point started from September, 2023

Class of water	A	B	C	D	E	Below E
1 Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	-	-
2 Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	-	-	-
3 Total Coliform (MPN/100ml), max	50	500	5000	-	-	-

A = Drinking water source without conventional treatment but after disinfection
 B = Outdoor bathing (organised)
 C = Drinking water source after conventional treatment and disinfection
 D = Propagation of wild life and fisheries.
 E = Irrigation, Industrial cooling, controlled waste disposal
 Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.epcb.nic.in/Water_Quality_Criteria.php

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(SA)

(P.S.O.)

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CMB

Water Quality Of River Ganga in UP

Year-2023

Month	17						18						19						20						21						22						23					
	Kada Ghat, Kaushambi						U/s Prayagraj (Rasoolabad Ghat)						D/s Prayagraj						*B/c Tamsa river, at Prachin Shivalaya Dumduma ghat						a/c Tamsa river, Sirsa, Son Barsa						U/s Vindhyachal, Mirzapur						D/s Mirzapur					
	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)
January	8.16	9.3	2.9	14.0	1700	680	8.37	9.0	2.7	8.0	2100	780	8.18	9.1	2.6	10.0	2200	680	-	-	-	-	-	-	8.23	8.9	2.8	16.0	2200	780	8.31	9.2	2.4	8.8	1400	920	7.97	8.3	3.7	15.2	17000	11000
February	8.22	8.6	2.7	12.0	1500	610	8.18	8.6	2.9	10.0	2000	680	8.32	8.7	2.8	10.0	2400	680	-	-	-	-	-	-	8.35	8.5	2.8	12.0	2200	780	8.34	9.3	2.2	7.8	1300	910	8.04	8.4	3.6	14.2	17000	11000
March	8.37	8.4	2.8	10.0	1400	450	8.29	8.4	2.8	8.0	2200	780	8.22	8.1	2.8	10.0	2400	680	-	-	-	-	-	-	8.35	8.7	2.7	14.0	2100	680	8.16	8.6	2.8	9.8	1700	1100	7.91	7.5	4.3	16.2	22000	14000
April	8.07	8.8	2.7	12.0	1700	680	8.21	8.2	2.7	10.0	2100	680	8.38	8.7	2.9	12.0	2400	680	-	-	-	-	-	-	8.38	8.4	2.8	14.0	2000	680	8.11	8.4	2.6	9.4	1400	930	7.85	7.3	4.3	15.8	21000	14000
May	8.32	7.8	2.9	12.0	1400	450	8.11	7.4	2.9	12.0	2200	780	8.25	8.1	2.8	12.0	2600	920	-	-	-	-	-	-	8.22	8.1	2.8	10.0	2000	680	8.15	8.3	2.6	9.4	1400	930	7.92	7.2	4.3	15.8	20000	13000
June	8.22	7.4	2.9	14.0	1400	400	8.20	8.5	2.8	10.0	2100	680	8.14	8.1	2.8	10.0	2600	920	-	-	-	-	-	-	8.32	7.9	2.8	12.0	2200	780	8.07	7.8	2.8	9.4	1700	1100	7.65	7.1	3.7	13.6	14000	9300
July	8.28	7.7	2.9	12.0	2000	680	8.16	7.5	2.9	12.0	2200	780	8.31	7.9	2.6	12.0	2700	930	7.91	7.5	2.8	10	2100	680	8.06	7.8	2.8	16.0	2200	780	8.03	7.4	2.8	9.8	1400	930	7.63	6.8	4.3	15.2	21000	13000
August	7.92	8.1	2.8	12.0	1500	610	7.91	7.6	2.8	10.0	2000	680	7.91	7.1	2.8	10.0	2700	920	7.74	7.7	2.9	12	2100	780	7.72	7.8	2.7	16.0	2000	680	8.05	7.5	2.7	10.4	1700	1100	7.61	6.9	4.3	15.6	21000	11000
September	7.75	7.2	2.8	10.0	2000	680	7.78	7.8	2.9	12.0	2200	780	7.98	7.1	2.8	14.0	2600	920	7.81	7.8	2.6	10	1700	680	7.91	7.9	2.7	8.0	2500	910	7.92	7.5	2.6	11.2	2000	1100	7.58	6.8	4.3	15.6	21000	13000
October	7.86	7.4	2.7	14.0	1300	450	8.19	7.7	2.8	12.0	2200	680	8.37	7.8	2.6	10.0	2500	910	7.79	8.0	2.7	10	1500	610	7.38	7.6	2.9	12.0	1500	610	7.91	7.5	2.8	11.2	1700	940	7.68	6.8	4.3	15.6	20000	11000
November	8.23	7.8	2.6	14.0	2000	680	7.89	7.2	2.7	10.0	2400	920	7.81	7.9	2.9	16.0	2600	920	8.00	7.9	2.5	8	1700	680	8.03	7.4	3.0	10.0	2400	920	8.12	8.3	2.2	8.8	1300	790	7.85	7.7	3.5	12.8	13000	7900
December	8.39	8.4	2.8	10.0	1700	680	8.08	8.2	2.8	8.0	2000	680	8.36	8.8	2.7	14.0	2500	930	8.05	8.7	2.7	10	2000	680	8.07	8.6	2.9	12.0	22000	780	8.18	8.5	2.3	8.8	1400	790	7.86	7.6	3.5	13.2	17000	11000
Average	8.15	8.1	2.8	12.2	1633	588	8.11	8.0	2.8	10.2	2142	742	8.19	8.1	2.8	11.7	2517	841	7.88	7.9	2.7	10.0	1850	685	8.09	8.1	2.8	12.7	3775	755	8.11	8.2	2.6	9.6	1533	962	7.80	7.4	4.0	14.9	18667	11600
Category	C						C						C						C						C						C						D					

* Sampling point started from July-23.

Class of water	A	B	C	D	E	Below E
1 Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	-	-
2 Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	-	-	-
3 Total Coliform (MPN/100ml), max	50	500	5000	-	-	-

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

AE
(SA)

(A.S.O.)

(Signature)

Water Quality Of River Ganga in UP

Year-2023

Month	S A M P L I N G L O C A T I O N																																															
	24						26					26					27					28					29					30					31											
	At Chunnar Pontoon Bridge						U/s Varanasi					D/s Varanasi					* B/c Gomti river at Balua Ghat Bridge					A/c Gomti river, Bhusaula					* Zamania Ganga Bridge, Zamania					Tarighat D/s Ghazipur					** D/s Ballia at Bayesi Ballia Bridge, Ballia											
	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)						
January	8.14	8.8	3.1	11.6	9200	6800	8.36	9.1	2.3	7.2	1300	910	8.05	8.3	3.5	14.2	17000	11000	-	-	-	-	-	-	8.15	8.6	3.1	11.4	9400	6300	-	-	-	-	-	-	7.98	7.8	3.8	14.8	20000	12000						
February	8.13	8.8	3.2	10.8	11000	7000	8.38	9.6	2.2	8.0	1300	910	8.01	8.4	3.8	14.8	20000	14000	-	-	-	-	-	-	8.12	8.6	3.2	11.2	11000	6800	-	-	-	-	-	-	7.96	8.2	4.2	15.6	22000	13000						
March	7.99	8.3	3.8	12.8	14000	9300	8.17	8.7	2.5	9.4	1400	930	7.85	7.5	4.2	15.2	21000	13000	-	-	-	-	-	-	8.08	8.1	3.4	12.8	13000	9100	-	-	-	-	-	-	7.82	7.3	4.4	17.2	23000	14000						
April	7.95	8.0	3.6	12.6	13000	9100	8.32	8.7	2.2	8.4	1300	910	7.84	7.5	4.0	14.2	17000	11000	-	-	-	-	-	-	7.98	7.9	3.5	12.8	13000	9100	-	-	-	-	-	-	7.78	7.2	4.3	16.8	22000	14000						
May	8.06	7.8	3.6	13.8	13000	9100	8.33	8.6	2.1	8.0	1100	680	7.91	7.7	3.8	14.8	17000	11000	-	-	-	-	-	-	7.92	8.0	3.3	13.4	11000	6800	-	-	-	-	-	-	7.73	7.0	4.4	16.4	22000	14000						
June	7.82	7.5	3.3	11.2	11000	6800	8.18	7.7	2.7	9.4	1400	930	7.74	7.0	4.3	16.2	22000	14000	-	-	-	-	-	-	7.85	7.4	3.7	14.4	14000	9300	-	-	-	-	-	-	7.65	6.7	4.6	17.0	24000	17000						
July	7.76	7.3	3.5	12.2	14000	9300	8.29	7.9	2.4	8.8	1300	780	7.78	7.2	4.0	13.8	20000	13000	7.92	7.40	3.80	13.40	17000	11000	7.88	7.5	3.6	13.2	14000	9300	8.15	7.7	3.3	12.6	11000	7000	7.72	7.0	4.4	16.8	22000	14000						
August	7.75	7.3	3.5	13.2	14000	9300	7.96	7.5	2.7	10.8	1700	1100	7.57	6.9	4.4	15.8	22000	13000	7.68	7.00	4.20	14.40	17000	11000	7.78	7.2	3.8	14.0	14000	9400	7.34	7.4	3.6	13.6	11000	6800	7.65	6.7	4.6	17.4	26000	14000						
September	7.75	7.3	3.5	13.2	14000	9400	7.85	7.7	2.5	10.8	1400	980	7.75	6.8	4.2	15.2	20000	11000	7.78	7.20	3.80	14.40	17000	9400	7.80	7.3	3.6	13.8	14000	7900	7.82	7.5	3.5	13.6	11000	7000	7.72	6.5	4.5	16.4	22000	13000	7.82	7.5	3.3	12.8	13000	7900
October	7.74	7.3	3.5	13.2	14000	7900	7.88	7.4	2.5	9.8	1300	790	7.68	6.8	3.8	14.2	17000	11000	7.75	7.00	3.50	13.60	14000	7900	7.78	7.2	3.4	13.2	11000	7000	7.82	7.4	3.2	12.8	9400	6300	7.73	6.7	4.0	15.2	20000	11000	7.82	7.2	3.5	13.6	11000	7000
November	7.92	8.0	2.8	10.4	8400	5800	8.24	8.5	2.3	9.2	1100	700	7.86	7.5	3.5	13.6	14000	7900	7.95	7.80	3.20	12.80	9400	6300	7.98	8.0	3.0	12.4	8400	5800	8.12	8.3	2.8	10.8	6300	4600	7.84	7.3	3.6	13.8	15000	9400	8.08	8.0	3.1	12.6	8400	4600
December	7.93	8.0	3.0	10.8	9400	6300	8.27	8.6	2.3	8.4	1200	700	7.85	7.6	3.4	13.0	14000	8400	7.88	7.80	3.20	12.40	9400	6300	7.92	8.2	3.0	12.0	8400	5800	8.12	8.4	2.8	10.8	6300	4600	7.82	7.4	3.6	13.6	15000	9400	8.1	7.8	3.2	12.6	8400	4800
Average	7.91	7.9	3.4	12.2	12083	8008	8.19	8.3	2.4	9.0	1317	860	7.82	7.4	3.9	14.6	18417	11525	7.83	7.4	3.6	13.5	13967	8650	7.94	7.8	3.4	12.9	11767	7717	7.90	7.78	3.20	12.37	9167	6050	7.78	7.2	4.2	15.9	21083	12900	7.96	7.6	3.3	12.9	10200	6075
Category	D						C					D					D					D					D					D																

* Sampling point started from July-23.

** Sampling point started from September 2023.

Class of water	A	B	C	D	E	Below E
1 Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	-	-
2 Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	-	-	-
3 Total Coliform (MPN/100ml), max	50	500	5000	-	-	-

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

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