

Water Quality of River Gomti in UP
Year 2024

S. No.	Month	SAMPLING POINT																																					
		1						2						3						4						5						6							
		Dadhnamau Ghat, Sitapur						Manjhigat, Lucknow						U/s Water Intake, Gaughat, Lucknow						Kudiyaghat, Lucknow						D/s Mohan Meakins, Lucknow						Nishatganj Bridge, Lucknow							
pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)				
1	January	8.33	11.4	2.2	10.4	1700	780	8.27	10.6	2.7	12.0	3900	2100	8.16	10.0	3.0	15.2	4600	2300	7.92	5.9	6.5	27.6	54000	35000	7.84	5.3	7.2	32.4	68000	45000	7.72	3.9	8.8	38.8	79000	49000		
2	February	8.38	11.3	2.1	10.0	2000	930	8.34	10.8	2.6	11.6	4000	2200	8.26	10.2	2.9	14.8	4900	2300	7.68	4.6	6.8	29.2	61000	40000	7.59	4.0	7.5	33.6	79000	49000	7.46	3.2	9.0	39.2	94000	49000		
3	March																																						
4	April																																						
5	May																																						
6	June																																						
7	July																																						
8	August																																						
9	September																																						
10	October																																						
11	November																																						
12	December																																						
	Average	8.36	11.4	2.2	10.2	1850	855	8.31	10.7	2.7	11.8	3950	2150	8.21	10.1	3.0	15.0	4750	2300	7.80	5.3	6.7	28.4	57500	37500	7.72	4.7	7.4	33.0	73500	47000	7.59	3.6	8.9	39.0	86500	49000		
	Category	C						C						C						D						D						E							

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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S-A

Rule
(A.S.O)

(C.E.O)

**Water Quality of River Gomti in UP
Year 2024**

S. No.	Month	SAMPLING POINT																													
		7						8						9						10						11					
		U/s Bairaj, Lucknow						D/s Pipraghat, Lucknow						D/s After meeting of STP, Nala Bharwara, Lucknow						D/s Gomti, Jaunpur						Gomti before meeting river Ganga, Rajwari, Varanasi					
pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)		
1	January	7.75	3.3	9.4	41.6	92000	54000	7.65	2.2	10.2	44.8	130000	79000	7.56	2.0	11.5	49.2	170000	94000	8.15	8.0	3.1	12.4	9400	4900	8.22	8.3	2.8	10.4	7900	3300
2	February	7.42	2.6	9.5	43.6	110000	70000	7.34	2.0	10.6	47.2	140000	94000	7.33	1.7	12.0	51.2	200000	110000	8.18	7.9	3.3	12.8	11000	7000	8.25	8.1	3.0	11.2	8400	4600
3	March																														
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5	May																														
6	June																														
7	July																														
8	August																														
9	September																														
10	October																														
11	November																														
12	December																														
Average		7.59	3.0	9.5	42.6	101000	62000	7.50	2.1	10.4	46.0	135000	86500	7.45	1.9	11.8	50.2	185000	102000	8.17	8.0	3.2	12.6	10200	5950	8.24	8.2	2.9	10.8	8150	3950
Category		E						E						E						D						D					

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	-	-	-

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