

Water Quality of River Gomti in UP Year 2020

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			
D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)		
1.	January	12.4	1.9	790	330	12.0	2.1	3300	780	11.0	2.4	4900	3300	9.1	3.8	49000	23000	5.8	6.2	130000	49000	5.5	7.0	92000	35000
2.	February	12.1	2.1	940	490	11.9	2.3	4900	1100	11.6	2.5	3300	2300	8.8	4.0	46000	21000	6.0	6.5	54000	22000	5.1	7.5	70000	33000
3.	March	9.4	2.3	1100	700	8.6	2.7	6100	4000	8.0	3.0	7000	4900	4.3	5.5	70000	46000	3.5	6.5	79000	49000	2.8	8.0	94000	70000
4.	April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.	May	9.1	2.5	1700	1200	8.2	2.9	4900	3300	6.5	3.2	6800	4000	4.8	5.0	54000	35000	4.2	5.8	70000	46000	4.5	7.0	79000	49000
6.	June	8.0	2.6	2200	790	7.2	2.8	3300	1700	6.8	3.3	9200	5400	4.6	6.0	39000	26000	4.2	6.5	70000	33000	3.7	8.0	130000	79000
7.	July	7.0	2.8	2100	780	6.1	3.1	6800	4000	5.6	3.5	14000	9300	2.8	7.0	40000	27000	2.5	8.0	79000	33000	2.2	9.5	130000	79000
8.	August	6.1	2.8	2600	2200	4.9	3.4	6100	4000	4.0	4.0	9200	5400	2.7	8.0	70000	46000	2.1	9.0	94000	70000	1.7	10.5	170000	110000
9.	September	6.5	2.7	2200	790	5.6	3.2	4900	3300	4.4	3.6	7000	4900	3.1	7.5	54000	35000	3.0	8.0	70000	46000	2.7	9.5	110000	70000
10.	October	7.5	2.5	2000	780	6.5	3.0	4000	3400	6.1	3.3	6100	4000	4.9	6.0	40000	27000	4.7	7.5	61000	40000	3.9	9.0	94000	70000
11.	November	9.0	2.3	2200	790	8.3	2.8	3300	1700	8.1	3.2	4900	3300	3.5	7.0	79000	33000	3.1	8.0	94000	70000	2.6	9.5	130000	79000
12.	December	9.2	2.2	2100	780	8.9	2.6	2600	2200	8.8	2.9	4000	3400	1.9	8.0	94000	70000	2.0	8.5	110000	70000	1.8	10.0	130000	79000
Average		8.8	2.4	1812	875	8.0	2.8	4564	2680	7.3	3.2	6945	4564	4.6	6.2	57727	35364	3.7	7.3	82818	48000	3.3	8.7	111727	68455
Category		C				C				D				D				E				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

Vinay Dubey
S.A.

Pratik B.
ASD

**Water Quality of River Gomti in UP
Year 2020**

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			
D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feecal Coliform (MPN/100ml)		
1.	January	5.2	7.5	92000	54000	3.2	8.5	170000	79000	2.8	11.5	700000	130000	8.6	3.5	17000	8000	8.8	3.3	8000	5000
2.	February	4.2	8.0	110000	46000	3.5	8.5	130000	49000	2.5	12.0	460000	230000	8.5	3.6	21000	11000	8.6	3.5	11000	5000
3.	March	2.0	9.0	130000	79000	1.6	10.5	170000	110000	1.1	13.5	540000	240000	8.3	3.8	22000	13000	8.3	3.6	14000	8000
4.	April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.	May	4.0	7.8	110000	70000	3.7	9.0	130000	79000	3.2	11.0	170000	79000	7.1	4.2	17000	11000	7.3	3.6	13000	5000
6.	June	3.4	8.5	170000	110000	3.8	9.5	240000	130000	2.7	12.0	350000	220000	6.6	4.5	21000	13000	6.8	4.3	17000	8000
7.	July	2.0	10.5	170000	79000	1.9	11.0	220000	110000	1.7	13.5	350000	130000	6.5	4.6	22000	11000	6.6	4.2	21000	11000
8.	August	1.6	11.5	240000	130000	1.7	12.0	350000	130000	1.5	14.0	460000	230000	6.3	4.2	21000	11000	6.5	3.8	17000	8000
9.	September	2.6	10.0	130000	79000	2.4	10.5	170000	79000	2.2	12.5	240000	130000	6.0	4.0	26000	14000	6.2	3.8	23000	13000
10.	October	3.7	9.5	110000	70000	2.9	10.0	130000	79000	2.6	12.0	170000	110000	6.4	3.8	22000	11000	6.8	3.6	21000	11000
11.	November	1.9	10.5	170000	110000	1.61	12.0	220000	110000	0.7	14.0	240000	130000	7.5	3.5	23000	13000	7.8	3.4	17000	11000
12.	December	2.1	11.0	170000	110000	1.5	12.5	240000	130000	1.3	13.5	350000	220000	7.8	3.6	17000	8000	8.2	3.3	14000	7000
Average		3.0	9.4	145636	85182	2.5	10.4	197273	98636	2.0	12.7	366364	168091	7.2	3.9	20818	11273	7.4	3.7	16000	8364
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	-	-	-

A = Drinking water source without conventional treatment but after disinfection

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