

Water Quality Report Of River Ghaghra in UP Year-2023

S.No.	Month	SAMPLING POINT											
		Barahalganj U/s, Gorakhpur						Turtipur D/s, Deoria					
		pH	DO (mg/L)	BOD (mg/L)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	DO (mg/L)	BOD (mg/L)	C.O.D. (mg/l)	Total coliform (MPN/100mL)	Feacal Coliform (MPN/100ml)
1	January	7.98	8.3	3.8	16.0	32000	18000	7.98	8.4	2.6	12.0	24000	11000
2	February	7.88	8.1	3.9	18.0	34000	20000	7.86	7.8	3.2	18.0	44000	22000
3	March	7.86	8.0	4.0	20.0	36000	22000	7.78	7.7	3.4	20.0	48000	24000
4	April	7.80	7.9	4.2	40.0	38000	24000	7.70	7.6	3.6	22.0	50000	26000
5	May	7.90	8.0	4.0	20.0	34000	22000	7.82	7.8	3.4	20.0	44000	24000
6	June	8.00	8.0	4.0	18.0	36000	23000	7.84	7.9	3.6	22.0	46000	26000
7	July	8.02	8.2	3.8	12.0	34000	22000	7.92	8.0	3.4	18.0	42000	24000
8	August	8.16	8.3	3.6	10.0	32000	20000	7.98	8.2	3.2	16.0	40000	22000
9	September	8.02	8.1	3.8	12.0	34000	24000	7.88	8.0	3.4	16.0	42000	24000
10	October	8.12	8.0	3.8	14.0	28000	16000	7.86	7.8	3.6	18.0	30000	16000
11	November	8.00	7.8	3.6	16.0	22000	10000	7.88	7.6	4.0	18.0	26000	12000
12	December	8.20	8.0	3.4	16.0	18000	8000	7.92	7.7	3.8	16.0	22000	10000
Average		8.00	8.1	3.8	17.7	31500	19083	7.87	7.9	3.4	18.0	38167	20083
Category		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

7.9

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

Reddy
(S.A)

(A.S.O)

(C.E.D)