

**Water Quality Of River Varuna in UP
Year 2022**

SN	Month	SAMPLING POINT											
		At Rameshwar, varanasi						Varuna Before Meeting River Ganga					
		pH	DO (mg/L)	BOD (mg/L)	C.O.D. (mg/l)	Total coliform (MPN/100mL)	Faecal coliform (MPN/100mL)	pH	DO (mg/L)	BOD (mg/L)	C.O.D. (mg/l)	Total coliform (MPN/100mL)	Faecal coliform (MPN/100mL)
1	January		8.60	2.70	9.20	3100	1700		5.80	12.00	39.20	39000	26000
2	February		8.30	2.90	10.40	2700	1300		5.30	10.20	33.30	34000	22000
3	March	8.32	8.00	3.20	11.20	3100	1700	7.99	4.80	11.20	36.80	33000	17000
4	April	8.36	6.80	3.40	10.80	2700	1700	7.83	4.30	12.40	38.40	31000	17000
5	May	8.32	6.60	3.50	11.20	3100	1700	7.66	4.00	12.60	42.20	31000	23000
6	June	8.38	6.80	3.40	10.80	3400	2200	7.64	3.70	13.80	44.40	34000	23000
7	July	8.43	7.60	3.20	10.40	2700	1700	7.67	4.40	12.20	39.60	31000	23000
8	August	8.34	7.20	3.30	10.80	3100	1700	7.88	5.70	8.40	29.60	26000	17000
9	September	8.22	7.00	3.40	11.20	2700	1700	7.45	4.80	9.20	29.20	27000	17000
10	October	8.27	7.30	3.20	10.80	2600	1400	7.54	5.10	10.40	32.80	33000	22000
11	November	8.32	7.50	3.10	10.40	2300	1300	7.42	4.60	11.20	36.80	32000	21000
12	December	8.36	7.80	3.20	11.20	2200	1100	7.36	4.40	10.80	35.20	31000	17000
Average		8.33	7.46	3.21	10.70	2808	1600	7.64	4.74	11.20	36.46	31833	20417
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

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

Anti
(SA)

Vinay Dubey
(A.S.O.)

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