

Water Quality Of River Varuna in UP
Year 2023

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	8.41	8.20	3.10	10.80	2300	1300	7.46	3.80	11.20	36.20	32000	17000
2	February	8.33	7.80	3.30	11.60	2600	1400	7.41	4.80	9.80	33.60	31000	21000
3	March	8.31	7.60	3.40	12.40	2700	1700	7.30	3.00	12.20	37.80	33000	22000
4	April	8.35	7.70	3.30	11.60	3100	2100	7.37	3.40	10.80	35.60	31000	21000
5	May	8.40	7.30	3.50	12.80	3300	2300	7.39	3.30	12.40	41.40	31000	21000
6	June	8.37	7.10	3.80	13.20	3100	2100	7.24	3.00	12.80	42.40	32000	22000
7	July	8.25	7.50	3.50	12.80	2700	1700	7.33	3.30	12.20	38.80	32000	22000
8	August	8.18	7.30	3.70	13.20	3100	2100	7.39	3.50	11.80	38.20	31000	21000
9	September	7.95	7.50	3.50	12.80	2700	1700	7.48	4.20	11.20	35.80	32000	22000
10	October	7.98	7.70	3.00	11.20	2100	1100	7.54	3.50	12.00	37.60	27000	17000
11	November	8.15	8.20	2.80	10.40	1700	1100	7.61	4.00	9.00	31.80	27000	17000
12	December	8.12	8.00	3.10	10.80	2200	1300	7.52	4.00	8.60	29.60	27000	17000
Average		8.23	7.66	3.33	11.97	2633	1658	7.42	3.65	11.17	36.57	30500	20000
Category		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

At
(SA)

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