

## Water Quality Of River Varuna in UP Year 2020

SN	Month	SAMPLING POINT							
		At Rameshwar, varanasi				Varuna Before Meeting River Ganga			
		DO (mg/L)	BOD (mg/L)	Total coliform (MPN/100mL)	Faecal coliform (MPN/100mL)	DO (mg/L)	BOD (mg/L)	Total coliform (MPN/100mL)	Faecal coliform (MPN/100mL)
1	January	8.50	3.10	2600	1400	3.30	14.40	110000	70000
2	February	8.70	3.00	3100	1300	4.50	7.60	63000	43000
3	March	8.50	3.20	2700	1300	3.20	12.00	70000	49000
4	April	6.20	3.20	2100	800	2.30	15.30	94000	54000
5	May	7.60	3.40	2200	1300	2.80	13.20	94000	49000
6	June	7.50	3.30	2600	1100	2.10	18.20	110000	70000
7	July	7.30	3.60	3400	1400	2.70	11.60	79000	49000
8	August	7.20	3.50	3100	1700	3.70	10.40	49000	33000
9	September	6.80	3.50	3100	1700	4.30	8.00	63000	43000
10	October	7.20	3.30	2700	1400	3.50	10.40	70000	49000
11	November	8.50	2.80	2300	800	2.90	13.20	79000	49000
12	December	8.30	3.10	2700	1400	3.00	12.80	70000	46000
<b>Average</b>		<b>7.69</b>	<b>3.25</b>	<b>2717</b>	<b>1300</b>	<b>3.19</b>	<b>12.26</b>	<b>79250</b>	<b>50333</b>
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](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

*Praxis*  
JRP

*Praxis*  
ABD