

**Water Quality of Rapti River in U.P.
Year 2020**

S.No	Sampling Point	Rapti river Domingarh, Gorakhpur				Rapti river D/s Gorakhpur			
		Parameter				Parameter			
		DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)
1	Jan	8.4	3.8	18000	28000	7.6	5.2	28000	48000
2	Feb	8.2	3.9	29000	18000	7.5	5.3	49000	28000
3	Mar	8.4	3.6	28000	17000	7.0	5.2	48000	29000
4	Apr	8.5	3.4	26000	14000	7.5	5.0	42000	26000
5	May	8.1	3.6	27000	15000	7.4	5.2	44000	27000
6	June	7.4	4.2	28000	18000	7.0	6.0	50000	30000
7	July	8.2	3.8	22000	15000	7.8	5.2	44000	2000
8	Aug	8.0	4.0	25000	18000	7.6	5.4	45000	25000
9	Sep	7.7	4.4	30000	20000	7.4	5.8	48000	28000
10	Oct	7.6	4.6	30000	18000	7.0	6.0	50000	30000
11	Nov	7.8	4.4	28000	16000	7.2	5.8	48000	28000
12	Dec	7.5	4.4	30000	18000	7.0	6.0	50000	30000
	Average	8.0	4.0	26750	17917	7.3	5.5	45500	27583
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

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