

Water Quality Of River Ganga in UP Year-2020

Month	S A M P L I N G L O C A T I O N																											
	1				2				3				4				5				6				7			
	U/s Kannauj				D/s Kannauj				Bithoor Kanpur				At Bhairao Ghat (Bathing Ghat), Kanpur				U/s Kanpur				At D/s Shuklaganj, Kanpur				At Gola Ghat (Bathing Ghat), Kanpur			
	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
Jan-20	10.5	2.8	3800	1300	10.2	3.1	4600	2500	10.4	2.6	3300	1800	10.8	3.1	4000	2100	11.7	3.0	3900	1800	11.4	3.4	5600	2100	9.0	4.0	15000	6800
Feb-20	10.8	2.3	3200	1700	10.6	2.7	5800	2700	11.2	2.8	4000	2100	11.00	3.0	4100	1700	11.4	2.9	3900	1400	11.1	3.1	5800	2200	10.0	4.4	17000	7000
Mar-20	9.6	2.6	3900	1700	9.2	2.9	4700	2400	8.7	3.2	4300	1800	8.8	3.4	4900	2100	9.0	3.1	4000	2200	8.7	3.3	4700	2500	8.3	4.2	13000	5400
Apr-20	8.1	1.7	3300	1400	8.1	2.0	4100	2100	8.2	2.4	3800	1700	7.6	2.6	3900	2000	8.1	2.5	4100	1400	8.0	2.7	4300	1700	7.30	2.60	4700	2600
May-20	8.6	2.0	3900	1700	8.4	2.4	4700	2600	7.4	2.6	4100	1700	7.0	2.7	4300	2200	7.9	2.4	4900	2100	7.7	2.6	7000	3900	7.10	2.90	7900	3900
Jun-20	8.5	2.3	2600	1200	8.2	2.5	3200	1400	7.5	2.8	4000	1700	7.6	2.9	4600	2100	7.2	3.0	4800	2200	6.9	3.4	7000	3300	6.6	3.6	8400	3900
Jul-20	7.8	2.0	3800	1700	7.6	2.2	4600	2000	6.9	2.4	3800	1400	6.7	2.5	4700	2100	6.5	2.9	4900	2600	6.3	3.2	6300	3300	6.4	3.6	8400	4000
Aug-20	6.9	2.1	3300	1100	6.6	2.6	7000	1700	6.2	2.7	7900	3300	6.1	2.8	11000	4900	6.2	3.0	17000	9200	6.1	3.2	21000	11000	5.9	3.5	32000	12000
Sep-20	7.0	2.5	4900	3300	6.7	2.6	9400	4600	6.2	2.7	4900	2100	6.0	2.9	21000	13000	6.3	3.0	7900	3300	6.0	3.2	40000	21000	5.7	3.6	54000	22000
Oct-20	7.7	2.7	3900	1300	7.4	2.9	7000	1700	8.6	3.0	9400	4900	8.1	3.1	11000	4900	8.0	3.3	17000	9200	7.8	3.5	21000	11000	7.5	3.8	32000	12000
Nov-20																												
Dec-20																												
Average	8.6	2.3	3660	1640	8.3	2.6	5510	2370	8.1	2.7	4950	2250	8.0	2.9	7350	3710	8.2	2.9	7240	3540	8.0	3.2	12270	6200	7.4	3.6	19240	7960
Category	C				D				C				D				D				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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*Pract B
Aso*

Water Quality Of River Ganga in UP Year-2020

Month	S A M P L I N G L O C A T I O N																											
	8				9				10				11				12				13				14			
	At Jajmou Bridge (Bathing Ghat), Kanpur				D/S Kanpur				Dalmau, Raibareli				Kala Kankar, Pratapgarh				Kada Ghat, Kaushambi				U/s Prayagraj (Rasoolabad Ghat)				D/s Prayagraj			
	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
Jan-20	9.2	3.9	33000	15000	9.1	4.2	43000	21000	10.5	3.4	3400	2800	10.6	3.3	3300	2700	10.9	2.9	3300	1700	11.7	2.5	4600	1700	11.0	2.6	4100	2200
Feb-20	10.6	4.0	38000	17000	10.2	4.2	46000	22000	10.2	*	3500	2900	10.0	*	3600	2800	11.7	2.6	4100	2200	12.5	2.8	4000	2100	11.8	2.7	4300	1700
Mar-20	8.2	4.4	47000	26000	8.00	4.6	58000	31000	10.3	4.0	4000	3100	10.4	3.9	3900	3000	8.8	2.6	4000	2100	9.4	2.7	3400	1700	8.6	2.7	3900	1700
Apr-20	7.1	2.8	94000	4100	7.00	3.0	11000	6300	#	#	#	#	#	#	#	#	#	#	#	#	8.8	2.3	2500	830	8.90	2.2	2500	780
May-20	7.2	2.7	14000	4900	6.80	3.2	16000	7000	10.00	3.5	1600	1100	9.8	3.7	1700	1300	8.50	2.0	2100	780	8.4	2.2	2200	680	8.40	2.3	2200	780
Jun-20	6.0	4.0	17000	7000	6.2	3.8	21000	9400	8.5	4.0	2200	1600	8.6	3.8	1900	1600	8.6	2.3	2200	680	8.5	2.0	2100	610	8.0	2.3	2400	790
Jul-20	6.1	4.2	17000	7900	6.2	3.2	21000	9400	7.6	4.2	2800	2200	7.8	4.0	2800	2100	7.0	2.7	2100	910	7.9	2.7	2400	910	7.3	2.6	2000	680
Aug-20	5.8	4.1	35000	14000	5.6	4.0	54000	22000	7.9	4.0	2600	1400	8.0	3.8	2300	1300	7.1	2.7	4600	2100	7.7	2.8	3300	1700	7.2	2.3	3200	1700
Sep-20	6.1	4.5	39000	21000	5.80	4.1	70000	23000	8.2	3.8	2300	1300	8.0	3.9	2100	1300	8.4	2.1	4000	2100	8.0	2.2	4900	2300	7.1	2.5	7900	3300
Oct-20	7.4	4.1	39000	17000	7.1	4.2	54000	22000	8.8	3.9	2700	1400	9.0	3.8	2600	1300	8.5	2.1	2200	930	8.2	2.3	2100	790	7.5	2.7	2600	1100
Nov-20																												
Dec-20																												
Average	7.4	3.9	37300	13390	7.2	3.9	39400	17310	9.1	3.9	2789	1978	9.1	3.8	2689	1933	8.8	2.4	3178	1500	9.1	2.5	3150	1332	8.6	2.5	3510	1473
Category	D				D				D				D				C				C				C			

#Sampling not done due to restricted movement during lockdown.

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

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Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

Pratik JRF

*Pratik
ASO*

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	15				16				17				18				19				20				21				22				
	a/c Tamsa river, Sirsa, Son Barsa				U/s Vindhyachal, Mirzapur				D/s Mirzapur				At Chunnar Pontoon Bridge				U/s Varanasi				D/s Varanasi				Tarighat D/s Ghazipur				a/c Gomti river, Bhusaula				
	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)					
Jan-20	11.2	2.5	4000	2100	9.7	1.8	1700	500	8.8	3.2	14000	8000	9.1	2.8	8000	5000	9.3	2.2	2200	1300	8.4	3.6	17000	11000	8.6	3.5	22000	13000	8.8	2.9	7000	4000	
Feb-20	12.0	2.6	3200	1300	9.9	1.7	2100	1100	8.7	3.4	17000	8000	9.0	3.0	9000	5000	9.7	2.1	2300	1300	8.8	3.7	22000	14000	8.9	3.4	24000	14000	9.1	2.8	8000	5000	
Mar-20	8.9	2.4	3300	1700	9.4	2.1	2200	1300	8.5	3.6	17000	8000	8.8	3.2	11000	5000	9.3	2.6	2400	1100	8.4	3.7	24000	14000	8.9	3.5	21000	13000	9.0	3.0	7000	4000	
Apr-20	9.20	2.0	2200	680	8.80	2.8	1400	600	8.10	3.3	11000	5400	8.60	3.1	9000	3300	10.4	2.6	1700	700	9.50	4.0	14000	9400	9.00	3.4	11000	4300	9.90	3.2	4600	2100	
May-20	8.80	2.1	2000	610	8.50	2.8	2200	800	7.90	3.6	21000	11000	8.20	3.2	13000	5000	9.60	2.3	1100	500	8.80	3.6	14000	7000	8.50	3.8	17000	11000	8.30	3.5	11000	5000	
Jun-20	8.7	2.1	2200	680	7.7	2.8	2600	1300	7.0	3.7	11000	21000	7.4	3.0	13000	8000	8	2.8	1300	500	7.3	4.1	22000	11000	7.4	4.0	23000	13000	7.7	3.8	14000	9000	
Jul-20	7.7	2.4	2600	610	7.9	2.6	2300	1300	6.6	4.0	22000	11000	7.2	3.5	17000	8000	7.8	2.7	2600	1100	7.2	3.8	27000	14000	6.9	4.2	31000	17000	7.1	3.4	21000	13000	
Aug-20	8.2	2.9	4600	1700	6.6	3.7	4300	2300	5.9	4.4	31000	17000	6.2	4.1	22000	13000	7.7	2.6	2300	1300	7.0	3.9	22000	13000	6.5	4.2	26000	17000	7.5	3.2	14000	7000	
Sep-20	8.8	2.4	9400	3300	6.4	3.3	3400	1700	5.8	4.1	31000	17000	6.1	3.7	23000	13000	6.5	3.3	3400	1300	5.8	4.2	31000	17000	5.7	4.3	27000	14000	6.3	3.5	22000	13000	
Oct-20	7.9	2.4	2000	780	7.6	2.8	2200	1300	6.5	3.6	21000	11000	6.8	3.3	17000	8000	7.0	2.7	2200	1300	6.5	3.5	22000	14000	6.2	3.8	23000	13000	6.8	3.4	17000	11000	
Nov-20																																	
Dec-20																																	
Average	9.1	2.4	3550	1346	8.3	2.6	2440	1220	7.4	3.7	19600	11740	7.7	3.3	14200	7330	8.5	2.6	2150	1040	7.8	3.8	21500	12440	7.7	3.8	22500	12930	8.1	3.3	12560	7310	
Category	C				C				D				D				C				D				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

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Pratyaksha JPT

*Pratyaksha B
ASD*