

Water Quality of River Yamuna In UP Year 2022

S.N.	Month	Sampling Point																																									
		1 U/S Okhla Barrage, Noida						2 D/S Village Charbara/Tilwara, Noida						3 U/s Vrindavan						4 Keel Ghat Vrindavan						5 D/s Vrindavan						6 U/s Mathara						7 Shapur, Mathara					
		pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FecalColiform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FecalColiform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FecalColiform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FecalColiform (MPN/100ml)						
1	January	-	1.2	42.0	168.0	-	-	0.0	48.0	184.0	-	-	6.8	7.6	28.0	70000	26000	-	5.4	8.0	32.0	79000	31000	-	5.4	8.0	32.0	84000	33000	-	4.8	10.2	40.0	94000	39000								
2	February	-	1.3	36.0	172.0	-	-	0.0	45.0	208.0	-	-	5.6	8.8	34.0	79000	27000	-	5.2	9.2	36.0	84000	32000	-	5.2	9.2	36.0	84000	32000	-	5.4	9.0	40.0	92000	38000								
3	March	7.42	1.1	42.0	168.0	-	-	7.64	0.0	48.0	188.0	-	-	7.3	4.8	11.4	36.0	84000	31000	7.2	4.6	11.8	40.0	92000	34000	7.2	4.6	11.8	40.0	92000	34000	7.4	4.4	12.6	48.0	94000	43000						
4	April	7.56	1.6	45.0	176.0	-	-	7.44	0.0	51.0	192.0	-	-	7.8	6.4	9.6	40.0	79000	26000	7.9	6.2	10.4	44.0	84000	31000	7.9	6.2	10.4	44.0	84000	31000	7.9	5.8	11.2	44.0	84000	33000						
5	May	7.49	0.0	33.0	152.0	-	-	7.56	0.0	42.0	176.0	-	-	7.7	6.2	11.0	44.0	84000	31000	7.8	5.8	12.0	48.0	92000	33000	7.8	5.8	12.0	48.0	92000	33000	8.0	5.6	13.2	52.0	94000	39000						
6	June	7.49	1.2	36.0	144.0	-	-	7.62	0.0	42.0	176.0	-	-	7.6	5.2	12.4	36.0	92000	34000	7.7	6.6	12.8	44.0	94000	39000	7.7	4.6	12.8	44.0	94000	39000	7.7	4.8	14.4	52.0	110000	49000						
7	July	7.68	2.6	33.0	152.0	-	-	7.75	0.0	45.0	176.0	-	-	7.9	7.8	9.0	32.0	70000	23000	8.1	7.4	9.6	36.0	79000	27000	8.1	7.4	9.6	36.0	79000	27000	7.8	7.2	10.2	36.0	84000	33000						
8	August	7.46	4.3	24.0	128.0	-	-	7.52	2.6	30.0	144.0	-	-	7.3	7.2	6.6	24.0	63000	17000	7.5	6.8	7.2	28.0	70000	22000	7.5	6.8	7.2	28.0	70000	22000	7.5	6.8	8.0	28.0	70000	26000						
9	September	7.51	4.5	21.0	144.0	-	-	7.67	2.2	30.0	184.0	-	-	7.4	6.4	8.8	28.0	70000	21000	7.6	5.8	9.6	32.0	79000	27000	7.6	5.8	9.6	32.0	79000	27000	7.6	6.0	9.4	28.0	84000	27000						
10	October	7.51	3.4	27.0	136.0	-	-	7.49	1.1	36.0	176.0	-	-	7.7	7.0	7.8	16.0	38000	17000	8.1	6.6	8.6	20.0	70000	22000	8.1	6.6	8.6	20.0	70000	22000	7.6	6.0	9.4	28.0	84000	27000						
11	November	7.46	3.9	30.0	144.0	-	-	7.53	1.4	42.0	192.0	-	-	7.6	6.4	8.8	32.0	63000	21000	7.8	5.2	10.6	36.0	79000	23000	7.8	5.2	10.6	36.0	79000	23000	7.6	6.0	9.4	36.0	58000	23000						
12	December	7.58	1.2	32.0	154.0	-	-	7.84	Nil	38.0	185.6	-	-	7.6	6.4	8.8	32.0	63000	21000	7.6	4.4	10.8	44.0	84000	26000	7.8	5.2	10.6	36.0	79000	23000	7.8	4.8	10.4	40.0	79000	27000						
Average		7.52	2.2	33.4	153.2	-	-	7.61	0.7	41.4	180.5	-	-	7.6	6.4	9.2	31.8	72917	24583	7.7	5.8	10.1	36.7	82167	28917	7.8	5.7	10.0	36.0	81750	28667	7.6	5.8	10.4	38.7	81833	31667						
Category		E						E						D						D						D						D											

Note - Sampling not done.

Class of water							
1	Dissolved oxygen (mg/l), min	A	B	C	D	E	Below E
2	Biochemical oxygen demand (mg/l), max	6.0	5.0	4.0	4.0	-	-
3	Total Coliform (MPN/100ml), max	2.0	3.0	3.0	-	-	-
		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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3/4/22

Vinay Dubey
C.A.-50.0

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Water Quality of River Yamuna In UP Year 2022

S.N.	Month	Sampling Point																																										
		8 Vishram Ghat, Mathura					9 D/s Mathura					10 U/s Kailashghat, Agra					11 U/s Waterworks, Agra					12 D/s Tajmahal, Agra					13 U/s Firozabad					14 D/s Firozabad												
		pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)							
1	January	-	5.4	9.4	40.0	92000	32000	-	4.2	9.6	40.0	92000	38000	-	6.6	10.4	20.0	11000	7000	-	6.3	12.4	24.0	21000	14000	-	5.9	12.8	28.0	34000	22000	-	6.1	10.8	36.0	30000	13000	-	5.9	13.2	40.0	35000	17000	
2	February	-	4.6	10.0	44.0	94000	38000	-	4.4	10.2	48.0	110000	39000	-	6.4	8.0	20.0	17000	11000	-	5.7	10.0	24.0	26000	13000	-	5.3	11.6	28.0	80000	50000	-	5.6	11.6	36.0	30000	14000	-	5.8	14.0	44.0	35000	17000	
3	March	7.6	4.2	13.4	52.0	110000	46000	7.5	4.2	13.8	52.0	120000	49000	7.38	7.2	9.6	16.0	26000	13000	7.57	6.8	10.4	20.0	34000	22000	7.83	6.6	11.6	24.0	60000	30000	7.8	5.9	12.4	32.0	27000	11000	7.6	5.6	14.8	40.0	33000	13000	
4	April	8.1	5.4	11.4	48.0	92000	40000	8.2	5.2	11.8	52.0	94000	43000	7.68	6.4	10.4	24.0	28000	14000	7.81	6.2	10.8	28.0	35000	17000	7.89	5.9	11.6	32.0	60000	30000	7.8	5.4	14.6	36.0	30000	14000	7.6	5.2	15.6	44.0	40000	17000	
5	May	7.9	5.2	13.6	48.0	110000	46000	8.1	4.4	14.0	52.0	120000	49000	7.40	8.5	8.0	16.0	26000	14000	7.60	7.8	10.0	24.0	33000	22000	7.80	6.6	12.0	28.0	80000	30000	7.9	5.6	15.2	40.0	34000	14000	7.8	5.2	16.8	44.0	40000	17000	
6	June	7.3	4.4	15.6	56.0	120000	63000	7.2	4.2	16.0	60.0	140000	58000	7.40	6.2	9.6	20.0	26000	14000	7.60	5.9	10.4	24.0	34000	22000	7.80	5.6	11.2	28.0	70000	30000	7.8	5.8	15.6	44.0	40000	17000							
7	July	7.7	6.8	10.6	40.0	92000	40000	7.8	6.6	11.0	48.0	94000	43000	7.10	7.0	8.2	16.0	21000	13000	7.40	6.7	9.6	20.0	32000	14000	7.8	6.0	10.4	24.0	63000	26000	7.6	5.6	11.2	32.0	28000	11000	7.7	5.3	13.2	40.0	43000	17000	
8	August	7.4	6.4	8.2	32.0	79000	27000	7.6	6.2	8.6	32.0	84000	31000	7.60	6.0	7.2	12.0	11000	7000	7.80	5.8	7.6	16.0	17000	12000	7.9	5.4	8.0	20.0	32000	14000	7.7	5.5	6.0	20.0	15000	8400	7.8	5.4	7.2	28.0	21000	11000	
9	September	7.8	5.8	10.0	32.0	94000	32000	7.9	5.6	10.2	36.0	110000	33000	7.50	6.1	7.6	16.0	17000	12000	7.70	5.6	7.6	20.0	32000	14000	7.9	5.5	11.2	24.0	32000	14000	7.8	5.7	10.0	28.0	28000	11000	7.7	5.5	13.6	32.0	43000	14000	
10	October	7.4	6.0	9.0	28.0	70000	17000	7.3	5.6	9.4	32.0	79000	22000	7.40	6.0	7.2	16.0	11000	7000	7.60	5.8	7.6	20.0	17000	12000	7.8	5.4	8.4	24.0	58000	25000	7.8	5.1	5.6	6.4	24.0	22000	7900	8.3	5.4	7.6	28.0	28000	9400
11	November	8.0	5.4	10.0	40.0	63000	26000	7.9	5.6	11.0	40.0	84000	31000	7.00	8.6	7.6	16.0	12000	6800	7.20	8.3	7.6	16.0	15000	9300	6.7	7.2	9.2	20.0	38000	21000	7.8	5.1	11.6	32.0	35000	13000	7.9	5.3	13.2	40.0	43000	17000	
12	December	7.9	4.6	12.6	48.0	94000	32000	8.0	4.2	13.4	52.0	84000	31000	7.10	8.1	8.8	20.0	11000	7000	7.40	7.8	8.8	20.0	15000	9300	6.8	7.3	10.0	24.0	32000	14000	7.6	5.4	13.6	36.0	43000	15000	7.7	5.2	16.4	48.0	92000	24000	
	Average	7.7	5.4	11.2	42.3	92500	36583	7.8	5.0	11.6	45.3	100917	38917	7.36	6.9	8.6	17.7	18083	10483	7.57	6.6	9.4	21.3	25917	15050	7.62	6.1	10.7	25.3	53333	26083	7.8	5.6	11.6	33.0	30167	12442	7.8	5.4	13.6	39.7	42333	16200	
	Category	D					D					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

*Chit's
JEM*

*Vinay Dubey
(A.S.O.)*

Water Quality of River Yamuna In UP Year 2022

S.N.	Month	Sampling Point																																				
		15					16					17					18					19					20											
		U/s Etawah					D/s Etawah					U/s Water Intake, Allahabad					D/s Balus Ghat Prayagraj					D/s Chhachhar nala, Prayagraj					D/s Emergency Outfall, Prayagraj											
pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)			
1	January	-	6.3	13.6	34.0	34000	13000	-	6.0	16.4	40.0	40000	22000	-	9.5	2.1	8.0	1100	400	-	8.8	2.7	8.0	1400	610	-	9.2	2.7	10.0	1300	610	-	8.7	2.5	8.0	1400	560	
2	February	-	6.4	10.4	32.0	30000	12000	-	6.1	13.2	40.0	40000	17000	-	8.8	2.3	6.0	1200	450	-	8.4	2.8	6.0	1700	600	-	8.5	2.6	8.0	1700	610	8.00	8.1	2.6	8.0	1700	610	
3	March	7.7	6.0	12.8	32.0	30000	14000	7.5	5.7	13.6	44.0	34000	17000	7.82	8.2	2.4	8.0	1300	400	7.95	8.0	2.6	8.0	1400	560	7.89	7.8	2.8	10.0	1400	610	7.95	7.9	2.5	8.0	1300	400	
4	April	7.8	5.8	13.2	34.0	28000	14000	7.5	5.5	15.2	42.0	35000	17000	7.76	8.3	2.3	6.0	1200	450	7.91	8.2	2.6	10.0	1700	610	7.85	8.0	2.6	8.0	1500	560	8.06	7.6	2.7	8.0	1500	560	
5	May	7.7	5.3	16.4	40.0	40000	17000	7.8	5.1	18.4	52.0	70000	30000	7.78	7.8	2.4	6.0	1300	400	8.09	7.6	2.6	10.0	1700	560	8.13	7.5	2.7	10.0	1700	610	8.10	7.5	2.5	10.0	1400	550	
6	June	7.8	6.0	16.8	44.0	50000	21000	7.7	5.8	18.8	56.0	80000	30000	7.83	7.9	2.3	8.0	1200	400	8.11	7.8	2.6	8.0	1500	610	8.06	7.7	2.6	8.0	1500	560	8.10	7.86	7.0	2.6	10.0	1500	560
7	July	7.8	5.9	15.6	40.0	43000	17000	7.8	5.6	16.8	48.0	54000	22000	7.72	7.5	2.4	6.0	1100	400	7.88	7.1	2.5	10.0	1300	450	7.81	7.2	2.6	10.0	1400	450	7.42	6.8	2.8	8.0	1400	550	
8	August	7.6	5.6	5.8	20.0	21000	9400	7.7	5.4	7.4	32.0	35000	14000	7.28	7.1	2.5	6.0	1100	400	7.56	6.5	2.7	8.0	1200	400	7.58	6.7	2.7	8.0	1300	450	7.59	6.7	2.7	8.0	1300	450	
9	September	7.7	5.6	7.2	24.0	24000	11000	7.8	5.4	8.4	32.0	35000	15000	7.57	7.0	2.4	8.0	1200	400	7.61	6.6	2.6	8.0	1300	450	7.6	6.8	2.6	10.0	1400	550	7.59	6.7	2.7	8.0	1400	600	
10	October	7.7	5.2	7.4	28.0	24000	9400	7.8	5.0	8.6	32.0	35000	13000	7.31	7.3	2.5	4.0	1300	450	10.50	6.8	2.7	6.0	1600	610	7.42	7.0	2.7	6.0	1700	680	7.39	7.1	2.6	6.0	1500	560	
11	November	7.5	5.6	11.2	32.0	28000	12000	7.7	5.4	14.0	44.0	54000	21000	7.25	7.7	2.4	4.0	1200	400	7.63	7.5	2.8	8.0	1700	680	7.51	7.5	2.9	8.0	1700	610	7.61	7.4	2.8	6.0	1500	560	
12	December	7.8	5.7	12.4	36.0	43000	17000	7.7	5.5	15.2	52.0	160000	28000	7.19	7.9	2.5	6.0	1200	410	7.72	7.8	2.7	8.0	1400	450	7.56	7.7	2.8	10.0	1300	450	7.49	7.7	2.6	8.0	1200	400	
Average		7.7	5.8	11.9	33.0	32917	13900	7.7	5.5	13.8	42.8	56000	20500	7.55	7.9	2.4	6.3	1200	413	8.10	7.6	2.7	8.2	1492	549	7.74	7.6	2.7	8.8	1492	570	7.75	7.7	2.6	7.8	1392	521	
Category		D					D					C					C					C					C											

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	-	-	-

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5/1/22

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