

**Water Quality of River Yamuna In UP  
Year 2021**

S.N	Month	Sampling Point																											
		1				2				3				4				5				6				7			
		U/S Okhla Barrage, Noida				D/S Village Gharbara/Tilwara, Noida				U/s Vrindavan				Kesi Ghat Vrindavan				D/s Vrindavan				U/s Mathura				Shahpur, Mathura			
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)	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)	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)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)		
1	January	1.4	24.0	-	-	0.0	30.0	-	-	7.4	5.8	65000	28000	7.1	6.2	68000	31000	7.1	6.2	68000	31000	7.2	8.4	84000	53000	5.8	7.4	70000	33000
2	February	1.8	21.0	-	-	0.0	27.0	-	-	7.6	8.0	60000	25000	7.2	8.6	67000	28000	7.2	8.6	67000	28000	6.8	7.4	75000	39000	6.6	7.2	63000	27000
3	March	0.0	24.0	-	-	0.0	33.0	-	-	7.4	8.8	63000	37000	7.0	9.0	70000	38000	7.0	9.0	70000	38000	6.2	8.0	80000	41000	5.8	8.6	68000	37000
4	April	0.0	22.5	-	-	0.0	30.0	-	-	6.6	8.2	67000	41000	6.3	8.4	75000	44000	6.3	8.4	75000	44000	5.6	9.4	90000	46000	5.4	9.6	70000	39000
5	May	0.0	24.0	-	-	0.0	31.5	-	-	7.2	7.4	58000	34000	6.8	7.8	63000	31000	6.8	7.8	63000	31000	6.4	8.0	84000	53000	6.2	8.8	60000	34000
6	June																												
7	July																												
8	August																												
9	September																												
10	October																												
11	November																												
12	December																												
<b>Average</b>		0.6	23.1	-	-	0.0	30.3	-	-	7.2	7.6	62600	33000	6.9	8.0	68600	34400	6.9	8.0	68600	34400	6.4	8.2	82600	46400	6.0	8.3	66200	34000
<b>Category</b>		E				E				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](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

*Prateek J.R.P.*

*PR  
25/6*

## Water Quality of River Yamuna In UP Year 2021

S.N	Month	Sampling Point																											
		8				9				10				11				12				13				14			
		Vishram Ghat, Mathura				D/s Mathura				U/s Kailashghat, Agra				U/s Waterworks, Agra				D/s Tajmahal, Agra				U/s Firozabad				D/s Firozabad			
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)	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)	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)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)		
1	January	6.6	9.6	96000	79000	6.8	9.2	93000	77000	5.4	12.4	33000	16000	5.0	16.0	45000	22000	4.6	20.0	92000	35000	5.7	20.0	32000	18000	5.2	21.2	92000	28000
2	February	6.2	8.0	78000	41000	6.4	8.6	89000	46000	6.9	12.0	31000	11000	6.4	13.6	36000	15000	5.8	14.4	92000	31000	5.6	19.2	35000	20000	5.3	21.6	92000	30000
3	March	5.8	10.0	89000	53000	5.6	10.8	98000	57000	7.1	9.6	28000	13000	6.6	11.2	35000	20000	5.8	13.2	92000	30000	5.5	18.8	32000	18000	5.2	20.8	92000	28000
4	April	5.2	11.6	93000	58000	5.0	11.2	110000	72000	6.9	10.8	37000	15000	6.1	12.0	44000	21000	5.8	14.0	90000	31000	5.7	20.4	35000	20000	5.4	22.0	120000	32000
5	May	6.2	9.0	89000	54000	6.0	8.6	92000	57000	7.4	12.0	31000	13000	6.7	14.4	37000	15000	5.9	16.4	92000	28000	5.5	20.0	35000	20000	5.3	22.4	110000	32000
6	June																												
7	July																												
8	August																												
9	September																												
10	October																												
11	November																												
12	December																												
Average		6.0	9.6	89000	57000	6.0	9.7	96400	61800	6.7	11.4	32000	13600	6.2	13.4	39400	18600	5.6	15.6	91600	31000	5.6	19.7	33800	19200	5.3	21.6	101200	30000
Category		D				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	-	-	-																		

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PB  
25/6

Rajiv  
JRA

## Water Quality of River Yamuna In UP Year 2021

S.N	Month	Sampling Point																							
		15				16				17				18				19				20			
		U/s Etawah				D/s Etawah				U/s Water Intake, Allahabad				D/s Balua Ghat Prayagraj				D/s Chhachhar nala, Prayagraj				D/s Emergency Outfall, Prayagraj			
		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)	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)	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	January	6.3	16.0	35000	20000	5.8	18.4	92000	30000	8.8	2.4	1300	490	8.5	1.9	1400	780	8.6	2.6	1400	680	8.7	2.5	1500	700
2	February	5.7	16.8	35000	20000	5.3	20.8	92000	28000	8.9	2.5	1100	450	8.5	2.6	1400	820	8.4	2.4	1300	680	8.2	2.6	1700	680
3	March	6.0	17.2	37000	22000	5.5	21.2	110000	31000	8.1	2.6	1400	450	7.9	2.6	1700	930	7.8	2.7	1200	610	8.0	2.7	1300	600
4	April	5.9	20.0	37000	22000	5.6	22.4	110000	31000	7.8	2.6	1100	460	7.2	2.5	1400	680	7.4	2.5	1300	790	7.2	2.8	1200	630
5	May	6.0	18.0	35000	21000	5.5	20.4	92000	28000	7.5	2.5	1300	490	7.4	2.7	1500	700	7.3	2.7	1500	680	7.3	2.6	1400	780
6	June																								
7	July																								
8	August																								
9	September																								
10	October																								
11	November																								
12	December																								
Average		6.0	17.6	35800	21000	5.5	20.6	99200	29600	8.2	2.5	1240	468	7.9	2.5	1480	782	7.9	2.6	1340	688	7.9	2.6	1420	678
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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Pr Singh  
JRD