

## Water Quality of River Hindon in U P Year-2022

S.No	Month	Sampling Point																							
		Hindon D/s Maheshpur Saharanpur						Hindon, Sardhana -Budhana Road, Vill Baparsi, Meerut						Hindon, Meerut Baghpat Road, Meerut						Hindon, karheda village , Ghaziabad					
		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	-	Nil	42.0	192.0	-	-	-	Nil	52.0	312.0	130000	84000	-	1.5	54.0	346.0	140000	120000	-	0.8	21.0	134.0	260000	170000
2	February	-	Nil	40.0	194.0	-	-	-	Nil	58.0	360.0	140000	110000	-	1.2	40.0	324.0	130000	94000	-	0.7	19.0	120.0	350000	70000
3	March	7.3	Nil	36.0	188.0	-	-	7.5	Nil	56.0	364.0	150000	130000	7.3	1.3	40.0	312.0	130000	220000	7.95	0.5	22.0	142.0	430000	350000
4	April	7.4	Nil	40.0	192.0	-	-	7.4	Nil	52.0	360.0	170000	140000	7.2	1.5	40.0	296.0	120000	100000	7.60	0.3	25.0	160.0	310000	230000
5	May	7.3	Nil	48.0	196.0	-	-	7.5	Nil	54.0	372.0	210000	150000	7.3	1.4	42.0	296.0	130000	110000	7.00	2.78	12.0	38.0	200000	140000
6	June	7.5	Nil	46.0	188.0	27000	21000	7.6	Nil	56.0	380.0	170000	140000	7.2	1.2	40.0	288.0	130000	120000	7.90	Nil	25.0	168.0	280000	170000
7	July	6.6	Nil	48.0	180.0	34000	24000	7.5	Nil	54.0	388.0	150000	130000	7.3	1.6	38.0	264.0	120000	100000	7.30	Nil	20.0	120.0	320000	260000
8	August	7.7	Nil	46.0	172.0	27000	21000	7.6	Nil	56.0	380.0	170000	140000	7.4	1.2	39.0	268.0	130000	110000	7.60	Nil	23.0	126.0	150000	120000
9	September	6.6	Nil	48.0	180.0	32000	24000	7.7	Nil	54.0	368.0	150000	120000	7.4	1.6	34.0	244.0	110000	84000	7.50	Nil	26.0	132.0	330000	270000
10	October	6.8	Nil	42.0	176.0	27000	21000	7.6	Nil	56.0	372.0	170000	110000	7.5	1.8	35.0	240.0	100000	79000	7.70	Nil	24.0	146.0	280000	110000
11	November	7.2	Nil	48.0	196.0	22000	17000	7.7	Nil	58.0	384.0	150000	100000	7.6	2.0	34.0	228.0	110000	84000	6.90	1.0	18.0	160.0	250000	210000
12	December	7.4	Nil	42.0	184.0	24000	21000	7.8	Nil	56.0	378.0	170000	110000	7.6	3.0	32.0	228.0	120000	94000	7.40	2.4	16.0	114.0	260000	170000
	Average	7.2	NIL	43.8	186.5	27000	21000	7.6	NIL	55.2	368.2	160833	122000	7.4	1.6	39.0	277.8	122500	109583	7.49	0.71	20.9	130.0	285000	189167
	Category	E						E						E						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)

Jyoti  
(S.A.)

Vijay Debnath  
(A.S.O.)

B  
K

## Water Quality of River Hindon in U P Year-2022

S.No	Month	Sampling Point																			
		Hindon river, Mohan Nagar Road Bridge, Ghaziabad						Hindon river, Chijarsi Bridge, Ghaziabad						Hindon, D/s Kulsera Bridge, Noida							
		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	-	1.0	18.0	102.0	210000	130000	-	Nil	27.0	182.0	330000	260000	-	Nil	43.0	197.0	400000	340000		
2	February	-	0.9	17.0	100.0	220000	140000	-	Nil	28.0	180.0	280000	140000	-	Nil	44.0	184.0	140000	110000		
3	March	7.52	0.7	19.0	114.0	220000	170000	7.9	Nil	34.0	220.0	140000	110000	7.8	Nil	48.0	190.0	280000	220000		
4	April	7.6	0.4	16.0	122.0	260000	220000	7.5	Nil	32.0	260.0	330000	270000	7.7	Nil	44.0	218.0	430000	310000		
5	May	7.2	2.1	20.0	81.0	250000	210000	7.6	Nil	39.6	126.0	3100000	2600000	7.5	Nil	58.0	210.0	2100000	1300000		
6	June	7.4	0.22	16.0	122.0	150000	120000	7.3	Nil	37.0	200.0	350000	220000	7.5	Nil	44.0	213.0	210000	140000		
7	July	7.7	0.3	12.0	112.0	310000	210000	7.6	Nil	36.0	229.0	3900000	3300000	7.2	Nil	42.0	220.0	3400000	4700000		
8	August	7.8	0.2	17.0	128.0	390000	330000	7.9	Nil	33.0	219.0	2600000	2100000	7.5	Nil	39.0	210.0	210000	170000		
9	September	7.4	0.22	20.0	130.0	310000	210000	7.8	Nil	32.0	204.0	460000	330000	7.9	Nil	34.0	202.0	790000	490000		
10	October	7.6	0.26	23.0	160.0	170000	110000	7.3	Nil	36.0	212.0	210000	150000	7.4	Nil	38.0	208.0	350000	120000		
11	November	6.8	1.2	16.0	112.0	270000	220000	7.0	2.0	19.0	132.0	310000	260000	7.6	Nil	32.0	200.0	390000	270000		
12	December	7.2	1.4	15.0	90.0	240000	140000	7.2	4.2	10.0	112.0	340000	270000	7.5	Nil	30.0	210.0	580000	310000		
	<b>Average</b>	<b>7.4</b>	<b>0.7</b>	<b>17.4</b>	<b>114.4</b>	<b>250000</b>	<b>184167</b>	<b>7.5</b>	<b>0.52</b>	<b>30.3</b>	<b>189.7</b>	<b>1029167</b>	<b>834167</b>	<b>7.6</b>	<b>Nil</b>	<b>41.3</b>	<b>205.2</b>	<b>773333</b>	<b>706667</b>		
	<b>Category</b>	<b>E</b>						<b>E</b>						<b>E</b>							
	<b>Class of water</b>							<b>A</b>				<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>		<b>Below E</b>	
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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*B* *GP*