

**Water Quality of River Hindon in U P
Year-2020**

S. No	Month	Sampling Point																											
		Hindon D/s Maheshpur Saharanpur				Hindon, Sardhana -Budhana Road, Vill Baparsi, Meerut				Hindon, Meerut Baghat Road, Meerut				Hindon, karheda village, Ghaziabad				Hindon river, Mohan Nagar Road Bridge, Ghaziabad				Hindon river, Chijarsi Bridge, Ghaziabad				Hindon, D/s Kulsera Bridge, Noida			
		DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)
1	January	Nil	40.0	-	-	Nil	76.0	110000	-	1.6	43.0	120000	-	2.0	15.0	170000	120000	1.87	18.0	220000	180000	Nil	45.0	280000	170000	Nil	47.0	210000	130000
2	February	Nil	50.0	-	-	Nil	74.0	120000	-	1.4	41.0	110000	-	2.4	19.0	150000	90000	1.17	25.0	180000	120000	Nil	42.0	270000	190000	Nil	45.0	230000	150000
3	March	Nil	48.0	-	-	Nil	80.0	130000	93000	0.8	42.0	120000	83000	2.0	15.0	-	-	1.50	18.0	-	-	Nil	40.0	-	-	Nil	49.0	-	-
4	April	Nil	44.0	-	-	Nil	60.0	140000	93000	1.1	36.0	110000	68000	0.62	11.4	210000	170000	0.90	25.3	260000	210000	1.7	30.4	330000	270000	Nil	30.0	460000	400000
5	May	Nil	40.0	-	-	Nil	60.0	140000	98000	2.20	32.0	93000	68000	0.80	9.0	270000	210000	0.52	12.0	310000	260000	Nil	20.0	430000	340000	*	*	*	*
6	June	Nil	44.0	-	-	Nil	56.0	150000	98000	2.50	46.0	110000	97000	0.73	13.0	280000	210000	0.48	16.0	260000	200000	Nil	32.0	340000	270000	*	*	*	*
7	July	Nil	42.0	-	-	0.2	54.0	140000	94000	2.20	44.0	100000	59000	1.90	18.0	220000	170000	1.28	20.0	210000	110000	Nil	29.0	170000	130000	Nil	38.0	350000	140000
8	August	Nil	40.0	-	-	Nil	52.0	120000	84000	0.50	44.0	120000	84000	2.09	14.0	430000	220000	1.06	17.0	150000	120000	Nil	37.0	350000	170000	Nil	40.0	280000	140000
9	September	Nil	52.0	-	-	Nil	50.0	210000	94000	0.4	42.0	120000	84000	1.5	25.0	430000	350000	1.02	29.0	140000	110000	Nil	39.0	220000	210000	Nil	34.0	240000	130000
10	October	Nil	40.0	-	-	Nil	48.0	150000	100000	0.2	44.0	110000	90000	1.8	24.0	260000	170000	1.1	27.0	230000	130000	Nil	37.0	340000	240000	Nil	36.0	430000	280000
11	November	Nil	48.0	-	-	Nil	60.0	120000	98000	0.3	46.0	100000	90000	1.3	22.0	260000	210000	1.02	25.0	280000	130000	Nil	34.0	170000	140000	Nil	34.0	150000	120000
12	December	Nil	46.0	-	-	Nil	44.0	140000	110000	Nil	44.0	110000	98000	1.5	21.0	280000	220000	1.12	25.0	210000	170000	Nil	33.0	150000	120000	Nil	30.0	140000	110000
	Average	Nil	44.5	-	-	0.020	59.5	139167	96200	1.1	42.0	110250	82100	1.6	17.2	620909	480909	1.1	21.4	566364	248182	0.14	34.9	1283636	752727	Nil	38.3	996667	687778
	Category	E				E				E				E				E				E				E			

*Sampling could not be done at this location due to restricted movement in Noida 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

Below - E = Not meeting A,B,C,D & E criteria

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

Jyoti
(S.A.)

Pratik B.
ASO