

**Water Quality of River Kali (East) in U.P
Year - 2023**

S. No	Month	U/s Devipura, Bulandshahar						D/s Mohan Kuteer Bulandshahar						U/s Kali river before wave distillery Ramghat road, Atrauli, Aligarh						D/s Kali River after wave distillery Ramghat road, Atrauli, Aligarh						Nadrai Gate, Kasganj						U/s Kannauj					
		Parameter						Parameter						Parameter						Parameter						Parameter						Parameter					
		pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)
1	January	7.68	Nil	52.0	144.0	4000000	3200000	7.69	Nil	58.0	160.0	4100000	2700000	7.10	2.6	80.0	130.0	-	-	7.20	2.8	78.0	124.0	-	-	7.40	7.4	48.0	86.0	-	-	8.00	8.7	5.4	21.0	-	-
2	February	7.71	Nil	44.0	136.0	4300000	3400000	7.67	Nil	38.0	128.0	3900000	2700000	7.30	2.0	90.0	134.0	-	-	7.40	2.4	88.0	126.0	-	-	7.40	7.0	36.0	80.0	-	-	7.90	8.3	4.8	21.6	-	-
3	March	7.81	Nil	52.0	160.0	3200000	2200000	7.69	Nil	46.0	144.0	4300000	3100000	7.30	2.0	90.0	136.0	-	-	7.42	2.2	88.0	130.0	-	-	7.30	7.6	46.0	90.0	-	-	7.70	7.8	5.0	22.6	-	-
4	April	7.72	Nil	52.0	168.0	4100000	2700000	7.66	Nil	46.0	144.0	3200000	2200000	7.30	1.4	116.0	224.0	-	-	7.40	1.6	112.0	220.0	-	-	7.10	7.4	68.0	116.0	-	-	7.44	7.7	5.4	21.2	9400	6300
5	May	7.82	Nil	62.0	152.0	4300000	3100000	7.76	Nil	58.0	136.0	4100000	3400000	7.00	2.6	108.0	206.0	-	-	7.10	2.8	104.0	200.0	-	-	7.30	7.4	54.0	112.0	-	-	8.19	7.9	5.2	21.2	12000	7000
6	June	7.66	Nil	66.0	168.0	4600000	3300000	7.61	Nil	62.0	152.0	4800000	2700000	7.20	1.6	96.0	210.0	-	-	7.40	1.8	94.0	206.0	-	-	7.10	7.4	60.0	124.0	-	-	7.80	7.2	5.6	16.4	9400	6300
7	July	7.77	Nil	66.0	152.0	4800000	3400000	7.66	Nil	52.0	136.0	4000000	2700000	7.00	1.2	84.0	240.0	-	-	7.20	1.4	82.0	236.0	-	-	7.20	7.2	48.0	136.0	-	-	8.04	6.9	5.0	16.8	8900	4600
8	August	7.62	Nil	58.0	168.0	3900000	2800000	7.57	Nil	54.0	152.0	3300000	2100000	7.68	3.8	80.0	220.0	-	-	7.82	3.9	78.0	216.0	-	-	7.81	7.6	82.0	260.0	-	-	7.84	5.4	5.7	15.6	22000	17000
9	September	7.58	Nil	52.0	144.0	4800000	3300000	7.62	Nil	46.0	128.0	4600000	2600000	7.59	2.2	70.0	146.0	-	-	7.68	2.4	65.0	136.0	-	-	7.69	7.4	45.0	88.0	-	-	7.81	5.0	4.8	17.6	14000	5800
10	October	7.61	Nil	54.0	136.0	4800000	3300000	7.58	Nil	50.0	120.0	4600000	2700000	7.30	2.8	68.0	164.0	-	-	7.38	3.0	66.0	160.0	-	-	7.62	7.3	48.0	108.0	-	-	7.75	5.5	6.4	14.4	17000	9800
11	November	7.68	Nil	62.0	160.0	3900000	2700000	7.58	Nil	56.0	160.0	3200000	2600000	7.41	2.1	64.0	184.0	-	-	7.43	2.3	62.0	176.0	-	-	7.56	7.2	46.0	136.0	-	-	8.08	7.5	5.2	14.6	9400	7000
12	December	7.68	Nil	50.0	136.0	3300000	2100000	7.52	Nil	46.0	128.0	3100000	1700000	7.43	1.7	42.0	126.0	-	-	7.82	1.8	40.0	122.0	-	-	7.58	6.5	20.0	72.0	-	-	8.15	7.7	5.0	15.2	17000	7900
	Average	7.70	NIL	55.8	152.0	4166667	2958333	7.63	NIL	51.0	140.7	3933333	2600000	7.30	2.2	82.3	176.7	-	-	7.44	2.4	79.8	171.0	-	-	7.42	7.3	50.1	117.3	-	-	7.89	7.1	5.3	18.2	13233	7967
	Category	E						E						E						E						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

Remarks: Ro Kanpur, (U/s Kannauj) Bacteriological Incubator was not Operational (Jan-Mar)

(S.A)

(A.S.O.)

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Water Quality of River Kali (East) in U.P
Year - 2023

S.No	Month	D/s M/s New Bananza, paper mills vill. , Saini- Mawana Road, Meerut						Garh Road, Meerut						Kharkhoda-Prikshit Garh Road, Meerut						Babugarh, Gaziabad					
		Parameter						Parameter						Parameter						Parameter					
		pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	COD (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)
1	January	7.60	Nil	55.0	272.0	130000	94000	7.50	Nil	57.0	280.0	160000	120000	7.70	Nil	56.0	268.0	150000	110000	7.60	Nil	24.0	90.0	3900000	2200000
2	February	7.65	Nil	50.0	252.0	120000	84000	7.61	Nil	56.0	268.0	150000	100000	7.65	Nil	52.0	264.0	160000	120000	7.60	Nil	36.0	92.0	3400000	2700000
3	March	7.72	Nil	42.0	284.0	130000	110000	7.67	Nil	52.0	296.0	150000	110000	7.52	Nil	54.0	268.0	170000	130000	7.50	Nil	42.0	128.0	4700000	3400000
4	April	7.80	Nil	52.0	260.0	130000	94000	7.62	Nil	56.0	276.0	150000	100000	7.48	Nil	50.0	260.0	170000	120000	7.60	Nil	43.0	94.0	4700000	2700000
5	May	7.63	Nil	50.0	284.0	160000	120000	7.65	Nil	58.0	296.0	160000	100000	7.53	Nil	54.0	268.0	150000	110000	7.70	Nil	42.0	96.0	4100000	3400000
6	June	7.56	Nil	54.0	276.0	170000	120000	7.61	Nil	56.0	284.0	150000	130000	7.62	Nil	52.0	276.0	140000	94000	7.60	Nil	52.0	98.0	4100000	3400000
7	July	7.54	Nil	50.0	288.0	140000	120000	7.61	Nil	52.0	284.0	150000	130000	7.62	Nil	44.0	260.0	110000	94000	7.40	Nil	44.0	162.0	4900000	3300000
8	August	7.68	Nil	40.0	248.0	100000	70000	7.56	Nil	44.0	256.0	110000	100000	7.57	Nil	38.0	236.0	120000	79000	7.70	Nil	46.0	158.0	4300000	3100000
9	September	7.65	Nil	44.0	244.0	120000	84000	7.59	Nil	48.0	260.0	120000	94000	7.59	Nil	38.0	240.0	120000	70000	7.40	Nil	42.0	145.0	3800000	2600000
10	October	7.42	Nil	48.0	252.0	150000	120000	7.51	Nil	42.0	252.0	130000	100000	7.54	Nil	38.0	236.0	94000	63000	7.50	Nil	34.0	128.0	3300000	2300000
11	November	7.48	Nil	44.0	252.0	120000	94000	7.46	Nil	40.0	248.0	130000	110000	7.49	Nil	35.0	240.0	100000	79000	7.50	Nil	45.0	149.0	3900000	3300000
12	December	7.56	Nil	44.0	248.0	120000	94000	7.52	Nil	54.0	292.0	140000	110000	7.51	Nil	32.0	236.0	110000	63000	7.60	Nil	52.0	155.0	3100000	2600000
Average		7.61	NIL	47.8	263.3	132500	100333	7.58	NIL	51.3	274.3	141667	108667	7.57	NIL	45.3	254.3	132833	94333	7.56	NIL	41.8	124.6	4016667	2916667
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

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(A.S.D)

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