

**Water Quality of River Kali (East) in U.P  
Year - 2022**

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	-	NIL	58.0	168.0	3100000	2100000	-	NIL	62.0	176.0	3500000	2200000	-	3.0	34.0	152.0	-	-	-	3.0	34.0	152.0	-	-	-	6.2	22.0	82.0	-	-	-	6.4	3.2	20.8	13000	6800	
2	February	-	NIL	66.0	168.0	3200000	2100000	-	NIL	62.0	152.0	2600000	1700000	-	2.0	38.0	144.0	-	-	-	2.2	36.0	146.0	-	-	-	7.3	5.0	26.0	100.0	-	-	7.92	7.0	4.8	20.8	10000	4000
3	March	7.68	NIL	60.0	168.0	4000000	2600000	7.61	NIL	58.0	160.0	4600000	3100000	7.1	2.4	42.0	158.0	-	-	7.2	2.6	40.0	156.0	-	-	7.4	6.2	30.0	98.0	-	-	7.82	6.4	5.6	21.2	22000	7800	
4	April	7.85	NIL	54.0	152.0	3900000	2600000	7.89	NIL	62.0	168.0	4700000	3200000	7.4	2.0	46.0	102.0	-	-	7.4	2.2	48.0	106.0	-	-	7.3	7.2	22.0	84.0	-	-	7.89	7.7	5.3	22.0	15000	9100	
5	May	7.76	NIL	60.0	152.0	4100000	2200000	7.81	NIL	64.0	160.0	4900000	2700000	7.3	2.6	42.0	112.0	-	-	7.4	2.8	40.0	110.0	-	-	7.3	7.2	22.0	84.0	-	-	7.89	7.7	5.3	22.0	15000	9100	
6	June	7.69	NIL	56.0	144.0	4600000	2700000	7.78	NIL	54.0	152.0	3900000	2200000	7.0	2.0	60.0	168.0	-	-	7.2	2.6	54.0	152.0	-	-	7.2	6.4	28.0	92.0	-	-	7.86	6.2	4.2	23.2	26000	12000	
7	July	7.79	NIL	58.0	144.0	4600000	3100000	7.83	NIL	62.0	152.0	5800000	3300000	6.6	0.8	88.0	212.0	-	-	6.7	1.0	84.0	208.0	-	-	7.0	5.2	54.0	126.0	-	-	7.80	6.0	5.0	21.2	23000	11000	
8	August	7.68	NIL	48.0	136.0	4100000	2700000	7.83	NIL	52.0	176.0	3900000	2400000	7.0	3.0	68.0	160.0	-	-	7.1	3.2	62.0	152.0	-	-	7.3	6.6	30.0	96.0	-	-	7.87	5.5	4.2	22.6	23000	13000	
9	September	7.61	NIL	46.0	144.0	4600000	3500000	7.75	NIL	50.0	128.0	4100000	2700000	7.1	4.0	56.0	116.0	-	-	7.2	4.0	50.0	108.0	-	-	7.2	7.6	36.0	112.0	-	-	7.80	6.0	4.5	22.4	26000	17000	
10	October	7.81	NIL	52.0	144.0	5400000	3500000	7.79	NIL	56.0	152.0	5800000	4300000	7.2	4.2	40.0	98.0	-	-	7.3	4.4	36.0	84.0	-	-	7.7	8.6	20.0	60.0	-	-	7.82	5.3	4.8	22.8	15000	9400	
11	November	7.78	NIL	48.0	136.0	4300000	3200000	7.81	NIL	54.0	152.0	5400000	4100000	7.2	2.8	64.0	116.0	-	-	7.2	3.0	58.0	112.0	-	-	7.3	7.6	34.0	92.0	-	-	7.64	6.4	4.6	22.4	-	-	
12	December	7.64	NIL	58.0	152.0	4000000	3200000	7.48	NIL	60.0	168.0	3100000	2200000	7.2	2.0	98.0	152.0	-	-	7.3	2.8	92.0	142.0	-	-	7.3	7.2	68.0	104.0	-	-	7.64	6.4	4.6	22.4	-	-	
Average		7.73	NIL	56.2	150.7	4158333	2791667	7.76	NIL	58.0	158.0	4358333	2841667	7.1	2.6	56.3	140.8	-	-	7.2	2.8	52.8	135.7	-	-	7.20	6.7	32.3	93.8	-	-	7.82	6.4	4.6	21.9	18091	9436	

Category	E					E					E					D					D									
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](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

Remarks: Ro Kanpur, (U/s Kannauj) BOD Incubator is not Operational

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**Water Quality of River Kali (East) in U.P  
Year - 2022**

S.No	Month	D/s M/s New Bananza, paper mills										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	-	NIL	50.0	274.0	110000	94000	-	NIL	54.0	312.0	120000	100000	-	NIL	56.0	316.0	130000	110000	-	NIL	57.0	152.0	152.0	2100000	1700000	
2	February	-	NIL	48.0	262.0	98000	84000	-	NIL	52.0	308.0	110000	94000	-	NIL	46.0	270.0	150000	120000	-	NIL	52.0	182.0	182.0	3900000	2100000	
3	March	7.3	NIL	54.0	266.0	120000	94000	7.5	NIL	58.0	272.0	140000	100000	7.4	NIL	48.0	256.0	130000	110000	7.8	NIL	56.0	187.0	187.0	4800000	3400000	
4	April	7.5	NIL	52.0	262.0	110000	94000	7.6	NIL	58.0	274.0	120000	110000	7.4	NIL	44.0	248.0	140000	120000	7.8	NIL	55.0	170.0	1500000	1200000		
5	May	7.4	NIL	50.0	260.0	110000	84000	7.6	NIL	60.0	282.0	140000	110000	7.5	NIL	46.0	256.0	150000	110000	7.8	NIL	52.0	142.0	5800000	2300000		
6	June	7.4	NIL	52.0	264.0	110000	94000	7.5	NIL	64.0	288.0	150000	120000	7.6	NIL	48.0	260.0	130000	110000	7.7	NIL	47.0	140.0	4700000	4000000		
7	July	7.5	NIL	48.0	248.0	130000	100000	7.3	NIL	58.0	292.0	150000	110000	7.5	NIL	50.0	280.0	140000	120000	7.7	NIL	44.0	130.0	4700000	3400000		
8	August	7.6	NIL	50.0	280.0	120000	110000	7.4	NIL	54.0	296.0	160000	120000	7.6	NIL	52.0	276.0	150000	110000	7.4	NIL	44.0	130.0	4700000	3900000		
9	September	7.6	NIL	44.0	252.0	120000	84000	7.8	NIL	56.0	296.0	150000	110000	7.5	NIL	54.0	278.0	150000	100000	7.9	NIL	49.0	177.0	5800000	4300000		
10	October	7.4	NIL	48.0	268.0	150000	100000	7.7	NIL	58.0	296.0	170000	120000	7.7	NIL	56.0	288.0	170000	120000	7.6	NIL	43.0	68.0	4000000	3400000		
11	November	7.7	NIL	52.0	260.0	150000	94000	7.6	NIL	60.0	276.0	150000	100000	7.8	NIL	66.0	296.0	150000	120000	7.6	NIL	37.0	152.0	3900000	3300000		
12	December	7.5	NIL	64.0	292.0	120000	100000	7.6	NIL	50.0	284.0	150000	110000	7.8	NIL	70.0	312.0	170000	130000	7.3	NIL	48.9	150.3	4100000	2966667		
Average		7.5	Nil	51.0	265.7	120667	94333	7.6	Nil	56.8	289.7	142500	108667	7.58	Nil	53.0	278.0	146667	115000	E							
Category		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.O.)*

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