

Water Quality of River Kali (East) in U.P
Year - 2020

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			
		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	67.0	110000	-	Nil	66.0	120000	-	Nil	67.0	120000	-	Nil	37.0	2200000	1700000
2	February	Nil	64.0	93000	-	Nil	66.0	110000	-	Nil	65.0	110000	-	Nil	55.0	2100000	1500000
3	March	Nil	65.0	93000	-	Nil	65.0	120000	-	Nil	61.0	140000	-	Nil	47.0	-	-
4	April	Nil	54.0	45000	36000	Nil	50.0	120000	83000	Nil	42.0	210000	170000	Nil	26.3	2400000	2100000
5	May	Nil	58.0	60000	42000	Nil	56.0	170000	100000	Nil	48.0	240000	140000	Nil	35.0	3300000	2700000
6	June	Nil	62.0	81000	61000	Nil	54.0	120000	81000	Nil	48.0	210000	120000	Nil	40.0	3800000	2800000
7	July	Nil	60.0	98000	68000	Nil	54.0	130000	79000	Nil	50.0	180000	110000	Nil	43.0	4000000	3500000
8	August	Nil	50.0	11000	94000	Nil	54.0	140000	94000	Nil	54.0	200000	140000	Nil	45.0	4300000	1400000
9	September	Nil	52.0	120000	84000	Nil	56.0	93000	68000	Nil	56.0	180000	98000	Nil	36.0	17000000	15000000
10	October	Nil	50.0	120000	70000	Nil	56.0	98000	68000	Nil	58.0	140000	110000	Nil	30.0	4300000	2500000
11	November	Nil	54.0	110000	68000	Nil	62.0	140000	110000	Nil	50.0	140000	110000	Nil	43.0	5400000	3500000
12	December	Nil	64.0	120000	100000	Nil	64.0	140000	110000	Nil	54.0	150000	120000	Nil	45.0	2800000	2200000
Average		Nil	58.3	88417	69222	Nil	58.6	125083	88111	Nil	54.4	168333	124222	Nil	40.2	4690909	3536364
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

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(S.A.)

Pratik B.
ASO

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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											
		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	62.0	150000	120000	Nil	66.0	14000	11000	3.0	10.0	-	-	3.2	12.0	-	-	4.0	14.0	-	-	5.8	4.8	31000	1700								
2	February	Nil	60.0	190000	150000	Nil	62.0	120000	110000	3.8	10.0	-	-	4.0	10.0	-	-	6.0	8.0	-	-	7.8	6.0	22000	9200								
3	March	Nil	64.0	-	-	Nil	68.0	-	-	6.3	10.0	-	-	6.1	12.0	-	-	6.5	10.0	-	-	7.7	6.2	26000	-								
4	April	Nil	52.0	-	-	Nil	54.0	-	-	4.0	14.0	-	-	4.2	16.0	-	-	6.2	10.0	-	-	7.9	3.1	7000	-								
5	May	Nil	52.0	-	-	Nil	56.0	-	-	2.8	16.0	-	-	3.0	16.0	-	-	4.6	12.0	-	-	8.1	3.1	12000	6300								
6	June	Nil	56.0	-	-	Nil	60.0	-	-	2.6	12.0	-	-	2.7	16.0	-	-	5.0	10.0	-	-	7.0	3.4	9400	1400								
7	July	Nil	58.0	-	-	Nil	62.0	-	-	6.0	10.0	-	-	6.2	12.0	-	-	5.8	12.0	-	-	5.9	5.2	11000	4700								
8	August	Nil	64.0	-	-	Nil	66.0	-	-	4.8	14.0	-	-	5.0	14.0	-	-	5.3	12.0	-	-	5.7	4.6	7000	1700								
9	September	Nil	62.0	-	-	Nil	66.0	-	-	3.8	14.0	-	-	4.0	12.0	-	-	5.2	14.0	-	-	5.6	4.8	11000	4900								
10	October	Nil	58.0	-	-	Nil	56.0	-	-	3.8	12.0	-	-	4.0	10.5	-	-	5.8	8.0	-	-	6.6	4.8	11000	3300								
11	November	Nil	66.0	-	-	Nil	68.0	-	-	4.2	14.0	-	-	4.4	14.0	-	-	6.2	10.0	-	-	8.2	4.4	27000	11000								
12	December	Nil	78.0	-	-	Nil	66.0	-	-	2.0	24.0	-	-	2.4	22.0	-	-	5.4	12.0	-	-	7.5	4.6	26000	17000								
Average		Nil	61.0	170000	135000	Nil	62.5	67000	60500	3.9	13.3	-	-	4.1	13.9	-	-	5.5	11.0	-	-	7.0	4.6	16700	6120								
Category		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															

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