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

Year - 2019

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			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			Parameter			Parameter			Parameter			Parameter		
		DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)
1	January	Nil	38.0	61000	Nil	42.0	81000	Nil	42.0	110000	Nil	38.0	2200000	Nil	48.0	210000	Nil	50.0	190000	2.1.	52.0	-	1.8	54.0	-	4.5	42.0	-	9.0	5.0	6300
2	February	Nil	37.0	110000	Nil	41.0	110000	Nil	36.0	120000	Nil	53.2	1700000	Nil	64.0	120000	Nil	70.0	170000	2.0	44.0	-	1.8	48.0	-	5.9	26.0	-	8.8	4.4	5400
3	March	Nil	42.0	150000	Nil	40.0	150000	Nil	44.0	140000	Nil	42.0	1600000	Nil	82.0	110000	Nil	78.0	160000	2.1	36.0	-	1.8	40.0	-	4.6	21.0	-	9.8	3.8	5400
4	April	Nil	46.0	120000	Nil	42.0	110000	Nil	46.0	120000	Nil	39.0	2700000	Nil	94.0	120000	Nil	96.0	150000	1.9	39.0	-	1.6	42.0	-	4.2	17.2	-	8.5	3.6	6300
5	May	Nil	52.0	150000	Nil	56.0	210000	Nil	66.0	150000	Nil	47.0	24000000	Nil	76.0	120000	Nil	84.0	150000	1.6	38.0	-	1.4	40.0	-	4.3	16.0	-	6.9	5.8	5800
6	June	Nil	64.0	120000	Nil	66.0	170000	Nil	62.0	150000	Nil	40.0	1400000	Nil	80.0	210000	Nil	84.0	230000	2.1	42.0	-	1.8	44.0	-	5.5	14.0	-	7.2	6.0	6300
7	July	Nil	68.0	110000	Nil	68.0	110000	Nil	60.0	150000	Nil	56.0	3300000	Nil	70.0	170000	Nil	78.0	350000	2.2	40.0	-	2.0	42.0	-	5.3	13.2	-	9.8	6.0	6300
8	August	Nil	64.0	94000	Nil	66.0	110000	Nil	68.0	170000	Nil	38.0	1500000	2.5	76.0	230000	1.9	72.0	240000	2.7	22.0	-	2.9	26.0	-	4.8	12.0	-	6.0	4.2	11000
9	September	Nil	62.0	110000	Nil	64.0	120000	Nil	66.0	150000	Nil	36.0	1400000	Nil	68.0	280000	Nil	64.0	220000	1.8	18.0	-	2.0	16.0	-	5.0	6.0	-	5.7	3.8	7900
10	October	Nil	64.0	94000	Nil	64.0	120000	Nil	68.0	210000	Nil	31.0	4600000	Nil	68.0	220000	Nil	70.0	4600000	3.5	10.0	-	3.8	12.0	-	5.0	12.0	-	6.5	5.1	8400
11	November	Nil	62.0	94000	Nil	64.0	110000	Nil	70.0	170000	Nil	62.0	2200000	Nil	64.0	160000	Nil	68.0	23000	4.3	10.0	-	4.5	14.0	-	4.9	14.0	-	5.8	4.8	31000
12	December	Nil	67.0	120000	Nil	64.0	93000	Nil	66.0	140000	Nil	57.0	2800000	Nil	62.0	240000	Nil	66.0	35000	4.2	12.0	-	4.4	14.0	-	5.8	12.0	-	7.6	4.4	5400
Average		Nil	55.5	111083	Nil	56.4	124500	Nil	57.8	148333	Nil	44.9	4116667	0.2	71.0	182500	0.2	73.3	543167	2.6	30.3	-	2.5	32.7	-	5.0	17.1	-	7.6	4.7	8792
Category		E			E			E			E			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

(S.A)

20/1/2020

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Water Quality of River Kali (East) in U.P
Year - 2019

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)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)	DO (mg/l)	BOD(mg/l)	Total Coliform (MPN/100ml)
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2	February	Nil	37.0	110000	Nil	41.0	110000	Nil	36.0	120000	Nil	53.2	1700000
3	March	Nil	42.0	150000	Nil	40.0	150000	Nil	44.0	140000	Nil	42.0	1600000
4	April	Nil	46.0	120000	Nil	42.0	110000	Nil	46.0	120000	Nil	39.0	2700000
5	May	Nil	52.0	150000	Nil	56.0	210000	Nil	66.0	150000	Nil	47.0	24000000
6	June	Nil	64.0	120000	Nil	66.0	170000	Nil	62.0	150000	Nil	40.0	1400000
7	July	Nil	68.0	110000	Nil	68.0	110000	Nil	60.0	150000	Nil	56.0	3300000
8	August	Nil	64.0	94000	Nil	66.0	110000	Nil	68.0	170000	Nil	38.0	1500000
9	September	Nil	62.0	110000	Nil	64.0	120000	Nil	66.0	150000	Nil	36.0	1400000
10	October	Nil	64.0	94000	Nil	64.0	120000	Nil	68.0	210000	Nil	31.0	4600000
11	November	Nil	62.0	94000	Nil	64.0	110000	Nil	70.0	170000	Nil	62.0	2200000
12	December	Nil	67.0	120000	Nil	64.0	93000	Nil	66.0	140000	Nil	57.0	2800000
Average		Nil	**55.5**	**111083**	**Nil**	**56.4**	**124500**	**Nil**	**57.8**	**148333**	**Nil**	**44.9**	**4116667**
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	_	_	_

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(S.H)

20/1/2020

21/01