

COMPARATIVE STATUS OF WATER QUALITY OF RIVER YAMUNA ON THE OCCASION OF DUSSEHRA (2018 & 2019)

S. No.	Location	Period of Monitoring	pH	TSS	COD	BOD	DO	TDS	Total Solid	Cu	Cr	Ni	Fe	Cd	Pb	Zn	Total Metal	% Variation
1	Shyam Ghat	Pre Immersion (18.10.2018)	7.6	94	12	1.6	7.0	181	275	0.93	1.52	0.17	0.10	ND	ND	0.48	3.2	TSS-65.95% Decrease BOD-325% Increase COD-66.66% Increase Metals- 81.56% Decrease
		Pre Immersion (04.10.19)	7.3	32	20	6.8	6	232	264	ND	ND	0.48	0.11	ND	ND	ND	0.59	
		Post Immersion (20.10.2018)	7.3	130	48	12	4.6	252	382	1.81	1.80	0.28	0.52	ND	ND	0.99	5.4	
		Post Immersion (09-10-2019)	7.2	24	16	5	5.3	188	212	ND	ND	ND	0.38	ND	ND	0.14	0.52	
2	Kudesia Ghat	Pre Immersion (18.10.2018)	7.3	96	44	12.4	NIL	554	650	0.86	1.36	0.15	0.43	ND	ND	0.36	3.16	TSS- 83.33% Decrease BOD-38.71% Decrease COD-36.3% Decrease Metals-73.42% Decrease
		Pre Immersion (04.10.19)	7	16	28	7.6	NIL	259	275	ND	ND	0.48	0.36	ND	ND	ND	0.84	
		Post Immersion (20.10.2018)	6.8	72	72	18	NIL	588	606	1.71	1.36	0.21	0.43	ND	ND	0.81	4.52	
		Post Immersion (09.10.19)	7.5	12	24	7.2	NIL	234	248	ND	ND	ND	0.26	ND	ND	0.11	0.37	
3	Geeta Ghat	Pre Immersion (18.10.2018)	7.8	150	40	6.4	1.6	381	531	0.41	1.16	0.06	0.18	ND	ND	0.42	2.23	TSS- 82.6% Decrease BOD-150% increase COD-40% increase Metals-67.7% Decrease
		Pre Immersion (04.10.19)	7.4	26	56	16	0.6	398	424	ND	ND	ND	0.78	ND	ND	0.38	1.16	
		Post Immersion (20.10.2018)	7.0	72	44	12	2.9	400	472	1.17	1.27	0.21	0.27	ND	ND	0.85	3.77	
		Post Immersion (09.10.19)	7.7	18	36	12	0.5	482	500	ND	ND	ND	0.34	ND	ND	0.18	0.52	

All parameters are in mg/l except pH

Mitra

S. No.	Location	Period of Monitoring	pH	TSS	COD	BOD	DO	TDS	Total Solid	Cu	Cr	Ni	Fe	Cd	Pb	Zn	Total Metal	% Variation
4	Geeta colony Ghat	Pre Immersion (18.10.2018)	7.9	52	40	9.6	1.4	388	452	0.47	1.10	0.06	0.22	ND	ND	0.35	2.2	TSS- 57.69% Decrease BOD-77.08% Increase COD-40% Increase Metals-31.36% Decrease
		Pre Immersion (04.10.19)	7.7	22	56	17	0.3	485	507	ND	ND	ND	0.61	ND	ND	0.9	1.51	
		Post Immersion (20.10.2018)	7.1	32	64	18	1.2	388	420	1.61	1.39	0.21	0.47	ND	ND	0.77	4.45	
		Post Immersion (09.10.19)	7.6	20	52	16	0.4	402	422	ND	ND	ND	0.56	ND	ND	ND	0.56	
5	Mayur vinar Ghat	Pre Immersion (18.10.2018)	7.2	72	40	12	2.1	392	464	0.41	1.10	0.32	0.10	ND	ND	0.38	2.31	TSS-47.22% Decrease BOD- 33.33% Increase COD-40 % Increase Metals-73.16% Decrease
		Pre Immersion (04.10.19)	7.6	38	56	16	1.2	426	464	ND	ND	ND	0.62	ND	ND	ND	0.62	
		Post Immersion (20.10.2018)	7.0	66	72	22	0.7	409	475	1.40	1.07	0.70	0.22	ND	ND	0.96	4.35	
		Post Immersion (09.10.19)	7.7	22	54	14	0.3	485	507	ND	ND	ND	0.52	ND	ND	ND	0.52	
6	Hathi Ghat	Pre Immersion (18.10.2018)	7.6	68	44	12	NIL	446	514	0.58	0.55	0.08	0.10	ND	ND	0.15	1.46	TSS- 50% Decrease BOD-8.33% Decrease COD-9.09% Decrease Metals-60.27% Decrease
		Pre Immersion (04.10.19)	7.6	34	40	11	NIL	501	535	ND	ND	ND	0.48	ND	ND	0.1	0.58	
		Post Immersion (20.10.2018)	7.1	56	44	15	1.7	423	479	1.34	1.05	0.12	0.47	ND	ND	0.65	3.63	
		Post Immersion (09.10.19)	7.7	30	36	10.3	0.5	503	533	ND	ND	ND	0.5	ND	ND	ND	0.5	

All parameters are in mg/l except pH

Mitha

S. No.	Location	Period of Monitoring	pH	TSS	COD	BOD	DO	TDS	Total Solid	Cu	Cr	Ni	Fe	Cd	Pb	Zn	Total Metal	% Variation
7	Kalindi Ghat	Pre Immersion (18.10.2018)	7.4	40	56	18	1.3	400	440	0.34	1.02	0.30	0.10	ND	ND	0.35	2.11	TSS- 10% Decrease BOD-16.66% Increase COD-28.57% Increase Metals-69.66% Decrease
		Pre Immersion (04.10.19)	7.6	36	72	21	NIL	425	461	ND	ND	ND	0.36	ND	ND	0.28	0.64	
		Post Immersion (20.10.2018)	7.2	38	64	20	3.1	447	485	1.56	0.18	0.50	0.18	ND	ND	0.74	3.16	TSS-no variation BOD-20% Increase COD- 25% Increase Metals- 79.74% Decrease
		Post Immersion (09.10.19)	8.0	38	80	24	NIL	525	563	ND	ND	ND	0.64	ND	ND	ND	0.64	

parameters are in mg/l except pH

Mitra

Scientist