



**DELHI POLLUTION CONTROL COMMITTEE**  
**WATER LABORATORY**  
**4<sup>th</sup> FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06**  
 visit us at : <http://dpcc.delhigovt.nic.in>

WATER QUALITY OF RIVER YAMUNA ON THE OCCASION OF GANESH CHATURTHI (PRE, DURING & POST IMMERSION-2022)

Report No. DPCC/W/IM/2022/5051

Dated 28/9/22

S. No.	Location	Period of Monitoring	pH	TSS	COD	BOD	DO	TDS	Total Solid	Cu	Cr	Ni	Fe	Cd	Pb	Zn	Total Metals	% Variation
1	Shyam Ghat	Pre Immersion (01.09.22)	7.5	42	144	30	7.3	338	224	ND	ND	ND	ND	ND	ND	ND	ND	TSS-19% Decrease COD- 11% Decrease BOD- 33% Decrease T.M- ND
		During Immersion (09.09.22)	7.2	38	84	24	5.8	306	344	ND	ND	ND	ND	ND	ND	ND	ND	
		Post Immersion (12.09.22)	8.4	34	128	20	8.7	277	311	ND	ND	ND	ND	ND	ND	ND	ND	
2	Kudesia Ghat	Pre Immersion (01.09.22)	7.7	38	120	18	0.4	626	607	0.89	ND	ND	0.18	ND	ND	ND	ND	TSS- 26.3 % Decrease COD- 10% Increase BOD- 44.0% Decrease T.M- 37.3 % Increase
		During Immersion (09.09.22)	1.2	32	112	14	0.6	554	586	0.12	ND	ND	0.20	ND	ND	ND	1.07	
		Post Immersion (12.09.22)	7.2	28	133	10	2.0	721	749	0.63	ND	0.78	0.06	ND	ND	ND	0.32	
3	Sur Ghat	Pre Immersion (01.09.22)	7.4	44	68	22	4.7	328	235	ND	ND	ND	ND	ND	ND	0.12	0.12	TSS- 22.7 % Decrease COD- 72% Decrease BOD- 36.3 % Decrease T.M- 1.0 % Decrease
		During Immersion (09.09.22)	7.5	38	74	16	3.9	318	356	ND	ND	ND	ND	ND	ND	0.23	0.23	
		Post Immersion (12.09.22)	8.2	34	117	14	9.5	259	293	ND	ND	ND	ND	ND	ND	ND	ND	
4	Ram Ghat	Pre Immersion (01.09.22)	7.4	46	156	20	2.2	334	353	0.14	ND	ND	0.18	ND	ND	ND	0.32	TSS- 34 % Decrease COD- 73 % Decrease BOD- 3 % Decrease T.M- 1.68 % Increase
		During Immersion (09.09.22)	7.3	34	85	18	1.4	300	334	0.06	ND	ND	0.24	ND	ND	0.06	0.36	
		Post Immersion (12.09.22)	7.7	30	42	14	1.4	323	353	0.08	0.17	ND	ND	0.61	ND	ND	0.86	
5	Kali Ghat	Pre Immersion (01.09.22)	7.3	38	68	24	0.9	312	293	1.58	ND	ND	0.15	ND	ND	ND	1.73	TSS- 47.3% Decrease COD- 45.5% Decrease BOD- 66 % Decrease T.M- 39.4 % Decrease
		During Immersion (09.09.22)	7.4	24	48	14	2.4	310	334	ND	0.96	ND	ND	0.10	ND	ND	1.06	
		Post Immersion (12.09.22)	7.5	20	37	8.0	6.4	307	327	0.70	0.15	0.09	0.12	ND	ND	ND	1.06	

*N. Motira*

**Dr. NANDITA MOTIRA**  
Scientist 'C'

S. No.	Location	Period of Monitoring	pH	TSS	COD	BOD	DO	TDS	Total Solid	Cu	Cr	Ni	Fe	Cd	Pb	Zn	Total Metals	% Variation
6	Geeta Ghat	Pre Immersion (01.09.22)	7.5	48	160	20	0.9	505	477	ND	0.36	ND	ND	ND	ND	0.88	1.24	TSS- 37.5% Decrease COD- 33.7% Decrease BOD- 40 % Decrease T.M- 29.8 % Increase
		During Immersion (09.09.22)	7.4	36	56	16	1.1	524	560	ND	ND	ND	ND	ND	ND	ND	ND	
		Post Immersion (12.09.22)	7.1	30	106	12	1.7	576	606	0.90	0.60	0.10	0.01	ND	ND	ND	1.61	
7	Geeta Colony Ghat	Pre Immersion (01.09.22)	7.2	36	224	18	2.8	626	474	ND	0.66	ND	ND	0.81	ND	0.89	1.7	TSS- 22.2% Decrease COD- 31.2% Decrease BOD- 33.3% Decrease T.M- 58.8 % Decrease
		During Immersion (09.09.22)	7.3	32	120	10	3.3	612	644	ND	ND	ND	ND	ND	ND	ND	ND	
		Post Immersion (12.09.22)	7.6	28	154	12	6.5	586	611	ND	0.42	0.03	ND	0.04	0.30	ND	0.75	
8	Mayur Vihar Ghat	Pre Immersion (01.09.22)	7.3	42	100	22	1.0	675	598	ND	ND	0.54	ND	ND	ND	ND	0.54	TSS- 14.2% Decrease COD- 36% Decrease BOD- 27 % Decrease T.M- 1 % Decrease
		During Immersion (09.09.22)	7.3	40	112	18	1.3	634	674	ND	ND	0.68	ND	ND	ND	ND	0.68	
		Post Immersion (12.09.22)	7.7	36	64	16	1.8	614	644	ND	ND	ND	ND	ND	ND	ND	ND	
9	Hathi Ghat	Pre Immersion (01.09.22)	7.5	46	124	32	0.3	682	647	0.08	ND	ND	2.0	0.06	ND	ND	2.14	TSS- 13% Decrease COD- 33% Increase BOD- 31 % Decrease T.M-14 % Increase
		During Immersion (09.09.22)	7.2	42	133	24	0.8	645	687	ND	0.99	ND	0.76	ND	ND	0.68	2.43	
		Post Immersion (12.09.22)	7.7	40	165	22	1.5	585	625	ND	0.82	ND	0.78	ND	ND	0.82	2.42	
10	Kalindi Ghat	Pre Immersion (01.09.22)	7.9	58	140	26	1.7	535	428	0.02	ND	ND	1.0	ND	ND	ND	1.02	TSS- 34 % Decrease COD- 48 % Decrease BOD- 38 % Decrease T.M- 40.1 % Increase
		During Immersion (09.09.22)	7.6	50	52	20	2.0	512	562	ND	0.04	ND	ND	ND	0.12	0.76	0.92	
		Post Immersion (12.09.22)	7.7	38	72	16	2.6	496	534	0.89	ND	0.34	ND	0.12	0.08	ND	1.43	

All parameters are in mg/l except pH

**Remarks:** It was observed during sampling that no idol immersion took place in any of the monitoring locations. Results also reflect that no impact was observed in Yamuna water quality on the day of idol immersion/ Ganesh Chaturthi.

*Nandita*

I/C Water Lab  
Dr. NANDITA MOTIRA  
Scientist 'C'