

**BEFORE THE NATIONAL GREEN TRIBUNAL  
SOUTHERN ZONE AT CHENNAI.**

**ORIGINAL APPLICATION NO. 135 of 2023**

Hariharan,  
Chennai

....Applicant

-Vs-

The District Collector,  
Tiruvallur and others.

...Respondent(s)

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Filed by  
Thiru.Sai Sathya Jith  
Advocate, Chennai.

**BEFORE THE NATIONAL GREEN TRIBUNAL  
SOUTHERN ZONE AT CHENNAI.**

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....Applicant

-Vs-

The District Collector,  
Tiruvallur and others.

...Respondent(s)

**REPORT FILED ON BEHALF OF THE 39<sup>th</sup> RESPONDENT -  
TAMIL NADU POLLUTION CONTROL BOARD.**

I, R. Sarasavani, D/o. J. Raghavan, Hindu, aged about 58 years, having my office at No. 76, Mount Salai, Guindy, Chennai -600032, do hereby solemnly affirm and sincerely state as follows:-

1) I am the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai and I am authorised to file this Report on behalf of the 39<sup>th</sup> Respondent herein and as such I am well acquainted with the facts of the case.

2) It is respectfully submitted that as per the order passed by the Hon'ble NGT dated 12.09.2023, the Joint Committee report was filed on 21.9.2023 before the Hon'ble Tribunal.

3) It is respectfully submitted that as per the CPCB guidelines, TNPCB collects the water samples in all the water bodies designated for immersion of idols. Water samples are collected before immersion, during immersion and after immersion. The samples are analyzed for the Physical, Chemical and Biological parameters as mentioned by the CPCB. Every year the consolidated report are submitted to the CPCB .

4) It is respectfully submitted that the Deputy Director of Lab, TNPCB has furnished the following overall inference report of the samples collected from 301 locations in 38 Districts which included 131 locations of various Rivers, 97 locations in lakes, 73 other locations(Ponds/Tank/Wells).

JOINT CHIEF ENVIRONMENTAL ENGINEER  
TAMIL NADU POLLUTION CONTROL BOARD  
No. 76, MOUNT SALAI, GUINDY,  
CHENNAI-600 032

*Mar 27/11/23*  
JOINT CHIEF ENVIRONMENTAL ENGINEER  
TAMIL NADU POLLUTION CONTROL BOARD  
No.76, MOUNT SALAI, GUINDY,  
CHENNAI-600 032.

The following inferences drawn from the Report of Analysis of samples received from various districts of Tamil Nadu is submitted below,

A. pH, a quantitative measure of how acidic/Basic water is , irrespective of idol immersion remained within the Water Quality Standards of Lakes, Rivers and Coastal Waters.

Pre/post Immersion	Min- Max (pH)
Pre- Immersion	6.1 - 9.17
Post- Immersion	6.42 - 9.5

B. Majorly, in most samples general decrease in the Dissolved Oxygen are noticed indicating depletion of oxygen which can be confirmed with increased values of Biological Oxygen Demand (BOD) affirming that organic load got increased due to idol immersion.

Pre/post Immersion	Min - Max (DO,mg/L)	
Pre- Immersion	1.8 - 8.0	
Post- Immersion	2.4 - 7.5	
Pre/post Immersion	Min - Max (BOD,mg/L)	
Pre- Immersion	<2- 28 (lake)	<2-12 (River)
Post- Immersion	2- 15 (lake)	2-24 (River)

C. Fecal Coliform was found well within the desirable level at all the monitored location probably due to lack of manmade discharge during the festivities.

D. Difference (Increase) in values of metal concentration such as Manganese, Lead, Zinc, copper was observed between pre- immersion and post – immersion indicating the effects of paints/chemical due to idol immersion.

The differences of increase were slightly higher in lake, tanks, well and pit than rivers water due to natural dilution in river water samples. Sea water samples showed negligible changes.

*Har*  
27/11/23

JOINT CHIEF ENVIRONMENTAL ENGINEER  
TAMIL NADU POLLUTION CONTROL BOARD  
No.76, MOUNT SALAI, GUINDY,  
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5) It is respectfully submitted that the copy of the RoA of the water samples collected from the water bodies all over Tamil Nadu before immersion, during immersion and after immersion is enclosed herewith as **ANNEXURE – I.**

Under the above circumstances, it is humbly prayed that this Hon'ble National Green Tribunal may be pleased to pass such further order or other orders as this Hon'ble Tribunal may deem fit and proper in the facts and circumstance of this case and thus render justice.

*Har*  
27/11/23

JOINT CHIEF ENVIRONMENTAL ENGINEER  
TAMIL NADU POLLUTION CONTROL BOARD  
No.76, MOUNT SALAI, GUINDY,  
CHENNAI-600 032.

### **VERIFICATION**

I, R. Sarasavani, D/o. J. Raghavan, working as Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai, do hereby verify that the contents of above report are true to the best of my knowledge through records.

*Har*  
27/11/23

JOINT CHIEF ENVIRONMENTAL ENGINEER  
TAMIL NADU POLLUTION CONTROL BOARD  
No.76, MOUNT SALAI, GUINDY,  
CHENNAI-600 032.



Analysis results (Physio-Chemical and Bacteriological Parameters) of different water bodies over Tamil Nadu State monitored during pre- and post-flood immersion activity during Ganesh Chaturthi -2023

District : COIMBATORE NORTH

Sl. No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters													Heavy Metals in mg/L					
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	
1	Thekkampally	15/09/2022	Surface and River water	Pre	10	5.7	7.53	6	24	170	8.1	104	35	6	70	52	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	5	5.4	7.8	12	56	131	34.5	82	30	44	80	48	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015	
		03/10/2022		Post	10	6.4	8.3	2	8	75	6.2	46	10	4	26	22	<0.0008	0.0101	<0.05	<0.001	<0.0015	0.0339	
2	Mottupalayam Bramaniyath Kovil	15/09/2022	Surface and River water	Pre	5	6.2	8.58	4	32	175	4.8	110	35	4	60	48	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	10	5.7	7.69	10	64	95	16.6	56	15	16	70	48	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		03/10/2022		Post	<5	6.3	7.89	3	24	114	6.3	68	20	4	76	70	<0.0008	0.0092	<0.05	<0.001	<0.0015	0.0214	
3	Sivamangal Yam	15/09/2022	Surface and River water	Pre	5	6.4	8.37	4	16	130	11.7	80	25	8	62	44	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	5	6.1	7.81	6	32	181	11.2	86	35	14	50	44	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		03/10/2022		Post	<5	6.6	7.66	3	24	77	5.2	48	15	4	36	32	<0.0008	0.0081	<0.05	<0.001	<0.0015	0.0102	
4	Sivamangal Pazhathottam	15/09/2022	Surface and River water	Pre	5	6.6	7.95	6	24	140	10.3	88	30	6	58	60	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	5	6.2	7.81	8	40	181	17.4	112	45	28	50	40	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		03/10/2022		Post	<5	6.7	7.51	2	8	70	6	44	10	4	38	36	<0.0008	0.0074	<0.05	<0.001	<0.0015	0.0181	
5	Sivamangal Koothanathi or Piruvu	15/09/2022	Surface and River water	Pre	10	6.8	7.63	6	32	143	7.8	92	30	6	50	48	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	<5	6.8	7.3	3	16	85	6.2	54	15	6	38	38	<0.0008	0.0061	<0.05	<0.001	<0.0015	0.0139	
		03/10/2022		Post	<5	6.8	7.3	3	16	85	6.2	54	15	6	38	38	<0.0008	0.0061	<0.05	<0.001	<0.0015	0.0139	
6	Vellaknar	20/09/2022	Surface and River water	Pre	5	5.6	7.78	20	160	2550	5.4	1554	450	24	640	396	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		20/09/2022		During	5	5.6	7.78	20	160	2550	5.4	1554	450	24	640	396	<0.0008	<0.0015	<0.05	<0.001	<0.0015		
		03/10/2022		Post	5	5.6	7.78	20	160	2550	5.4	1554	450	24	640	396	<0.0008	<0.0015	<0.05	<0.001	<0.0015		

INFERENCE There is no marked difference in the sampled location over the Coimbatore North silt, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of Idoli.

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ES  
P. S. Yandavula, Jr.

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D. S. O. (A. R. M.)

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D. D. (L. S. S.) Jr.

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-tidal immersion activity during Ganesh Chaturthi District : COIMBATORE SOUTH 2023

S.N	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion on sampling	Color/Hazen Units	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	General Parameters										Heavy Metals mg/L				
										Conductivity (µmhos/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chloride (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc		
1	Sandvayal	14.09.2023	Surface	Pre	5	6.8	7.41	8	56	1240	3.6	7.18	250	6	40	32	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	40	6.6	7	6	40	177	6	110	55	6	23	44	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				Post	<5	6.8	7.1	9	64	104	3.6	66	20	8	16	14	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
2	Kudiyamuthi of Kadam	14.09.2023	Surface	Pre	60	5.9	8.08	6	48	453	61.7	266	90	26	90	76	<0.0008	0.056	<0.05	0.042	<0.0015	0.1021		
				During	50	5.8	7.17	8	64	468	61.2	270	105	12	130	80	<0.0008	0.0696	<0.05	0.0511	<0.0015	0.1818		
				Post	40	6	6.96	9	72	466	60.8	264	75	18	136	128	<0.0008	0.091	<0.05	0.055	<0.0015	0.2002		
3	Narasimhal River at Vaeral	14.09.2023	Surface and River water	Pre	5	6.2	7.7	2	16	106	3.5	52	20	6	42	24	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
				Post	<5	6.3	7.79	3	24	230	2.6	134	45	8	68	62	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
4	Upparai	14.09.2023	Surface	Pre	5	6.5	7.55	4	8	50	4.8	32	10	8	30	28	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	5	6.3	7.91	6	16	98	4.2	62	25	4	70	40	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				Post	<5	6.5	8.09	6	32	216	22.6	126	40	8	96	92	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
5	Anarjain Mukkadam Aaru	14.09.2023	Surface and River water	Pre	5	6.6	7.58	4	24	84	5.4	52	20	6	38	28	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	5	6.5	7.58	6	32	125	2.5	78	30	4	80	60	<0.0008	0.0101	<0.05	<0.001	<0.0015	0.0211		
				Post	<5	6.6	8.56	6	40	204	10.6	124	38	8	126	120	<0.0008	0.1911	<0.05	<0.001	<0.0015	0.2426		
6	Aainuparai Aaru	14.09.2023	Surface and River water	Pre	<5	6.9	7.93	6	32	165	2.5	82	30	8	80	72	<0.0008	0.0282	<0.05	<0.001	<0.0015	0.0562		
				During	5	6.5	7.65	8	48	145	3.2	92	45	6	70	32	<0.0008	0.0296	<0.05	<0.001	<0.0015	0.0460		
				Post	<5	6.9	8.19	9	64	21.2	8.6	130	42	10	96	90	<0.0008	0.0314	<0.05	<0.001	<0.0015	0.0626		

Sl. No.	Location	Date	Sample Type	Parameters																	
				Pre	During	Post	Pre	During	Post	Pre	During	Post	Pre	During	Post	Pre	During	Post			
7	Sivagangal Kallan	14.09.2023	Surface and River water	<5	6.4	7.98	6	16	162	2.3	96	25	6	78	68	<0.0008	0.0102	<0.05	<0.001	<0.0015	0.0299
				5	6.2	7.15	8	24	140	2.4	84	40	4	80	56	<0.0008	0.0200	<0.05	<0.001	<0.0015	0.0361
				<5	6.4	8.42	12	56	215	6.8	132	40	10	88	86	<0.0008	0.0410	<0.05	<0.001	<0.0015	0.0710
8	Sivagangal Kallan	15.09.2023	Surface and River water	150	5.8	8.21	12	56	1660	23.8	912	300	56	408	408	<0.0008	0.1718	<0.05	0.502	<0.0015	0.3260
				100	5.8	8.37	15	72	1750	11	980	350	38	690	756	<0.0008	0.1842	<0.05	0.6616	<0.0015	0.4002
				135	5.8	8.03	18	80	1860	24.6	1042	375	46	620	612	<0.0008	0.2001	<0.05	0.6920	<0.0015	0.4448
9	Noyyal River Sullur	15.09.2023	Surface and River water	20	6.6	8.24	9	64	2350	12	1362	350	32	470	600	<0.0008	0.1162	<0.05	0.0802	<0.0015	0.2008
				50	6.5	7.96	12	72	1995	1.5	1178	375	14	460	560	<0.0008	0.1664	<0.05	0.1006	<0.0015	0.3001
				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Mulharayan Kallan	15.09.2023	Surface and River water	50	6.2	8.13	18	152	1614	8.3	1032	330	20	230	380	<0.0008	0.087	<0.05	0.1042	<0.0015	0.102
				40	5.9	8.91	21	160	1680	38.1	1042	350	8	232	396	<0.0008	0.1012	<0.05	0.1981	<0.0015	0.1886
				48	6.2	8.21	24	192	1590	10.8	938	300	12	238	238	<0.0008	0.1686	<0.05	0.2110	<0.0015	0.3001
11	Valayar Dam	15.09.2023	Surface and River water	50	6.6	8.58	6	56	644	10.1	368	125	22	170	168	<0.0008	0.0962	<0.05	0.0161	<0.0015	0.1008
				5	6.2	8.44	9	72	574	14.3	354	150	10	190	172	<0.0008	0.1021	<0.05	0.0208	<0.0015	0.1168
				<5	6.6	7.91	12	80	490	8.2	302	80	20	186	180	<0.0008	0.1231	<0.05	0.0311	<0.0015	0.2164
12	Kunch Kallan	15.09.2023	Surface and River water	100	6.1	8.67	12	96	1552	53	962	350	38	300	256	<0.0008	0.1917	<0.05	0.022	<0.0015	0.21
				5	5.8	8.5	18	112	1609	16.3	1012	550	6	320	240	<0.0008	0.2216	<0.05	0.0291	<0.0015	0.3016
				<5	5.9	8.48	21	120	1469	18.2	866	275	22	342	336	<0.0008	0.3012	<0.05	0.0414	<0.0015	0.4999
13	Nagarajapuram Kallan	15.09.2023	Surface and River water	50	6.1	8.47	8	56	1580	14.2	932	300	22	310	400	<0.0008	0.0992	<0.05	0.1284	<0.0015	0.1108
				50	5.8	7.96	9	72	1995	14.2	1178	650	14	360	372	<0.0008	0.1010	<0.05	0.2012	<0.0015	0.1689
				50	6.2	7.29	12	88	1524	428	868	295	18	372	366	<0.0008	0.2999	<0.05	0.2662	<0.0015	0.3444

INFERENCE: There is no marked difference in the sampled location over the Combatoore South sighth, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol

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DCSO (LABS)

DD (LABS) /c

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Salai, Guindy,  
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Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023

District: TIRUPPUR

Sl. No.	Sampling Location	Date of sampling	Type of water body	Pre/ Post Immersion sampling	General Parameters														Heavy Metals				
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	
1	Ayyappan Lake	19.09.2023	Lake	Pre-	< 5	7.6	8.15	4	32	3309	1.31	2338	793	9	760	370	< 0.05	< 0.01	0.394	< 0.1	0.0093	0.381	
		21.09.2023		During-	30	7.4	8.05	7	40	3399	13.7	2460	813	24	790	380	< 0.05	< 0.01	0.426	< 0.1	0.0104	0.388	
		22.09.2023		Post-	50	6.9	8.02	8	64	3438	20.2	2462	818	62	860	420	< 0.05	< 0.01	0.623	< 0.1	0.0108	0.394	
2	Sammapuram Lake	19.09.2023	Lake	Pre-	< 5	7.1	8.64	8	32	2266	10.5	1306	448	28	420	360	< 0.05	< 0.01	0.59	< 0.1	0.0095	0.387	
		21.09.2023		During-	50	7.1	8.43	8	48	2320	10.6	1376	458	29	440	410	< 0.05	< 0.01	0.623	< 0.1	0.0098	0.39	
		23.09.2023		Post-	40	7.3	8.29	10	56	2354	26	1391	458	63	450	440	< 0.05	< 0.01	0.82	< 0.1	0.0105	0.407	
3	Ayyavathi River at Kanyir	20.09.2023	River	Pre-	< 5	6.4	8.08	6	8	452	4.91	305	168	8	90	170	< 0.05	< 0.01	0.23	< 0.1	0.0097	0.339	
		20.09.2023		During-	100	6.7	8.62	6	56	447	63.5	336	187	113	190	230	< 0.05	< 0.01	0.558	< 0.1	0.0102	0.376	
		26.09.2023		Post-	10	6.2	7.48	< 2	8	156	6.2	115	12	12	120	80	< 0.05	< 0.01	0.764	< 0.1	0.0109	0.563	
4	Udumalpet Geddinadu PAP Canal	26.09.2023	Surface Water	Pre-	< 5	6.2	7.59	< 2	8	69	2.75	58	9	4	20	40	< 0.05	< 0.01	0.295	< 0.1	0.008	0.234	
				During- Post-																			
5	Udumalpet SV Puram PAP Canal (North)	26.09.2023	Surface Water	Pre-	5	6.1	7.95	< 2	8	54	2.12	45	7	8	30	50	< 0.05	< 0.01	0.295	< 0.1	0.0084	0.237	
				During- Post-																			
		26.09.2023		Pre-	5	5.7	7.65	< 2	8	48	2.54	40	11	2	20	40	< 0.05	< 0.01	0.82	< 0.1	0.0099	0.375	
				During- Post-																			

INFERENCE: There is no marked difference in the sampled location over Tiruppur sight, with reference to Pre-immersion and Post Immersion, that indicates pollution due to immersion of idol.

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ES

*[Handwritten signature]*  
DCSO (Chennai)

DD (Labs) etc

DEPUTY DIRECTOR (AI)  
Tamilnadu Pollution Control B  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District: VELLORE

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters											Heavy Metals, mg/L				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead		
1	KARUGAMPUTHUR LAKE	14.09.2023	LAKE	Pre	6.3	8.86	4	48	898	320	8	330	236	<0.0008	0.38	<0.01	0.12	0.14		
		21.09.2023		During	6.1	8.67	3	32	660	177	32	220	248	<0.0008	0.24	<0.01	0.1	0.1		
		26.09.2023		Post	6.8	7.66	3	32	630	173	36	240	200	<0.0008	0.22	<0.01	0.09	0.09		
2	SADHUPAERI LAKE	14.09.2023	LAKE	Pre	6.4	8.64	3	32	640	167	24	220	234	<0.0008	0.34	<0.01	0.09	0.08		
		21.09.2023		During	6	7.75	3	40	1634	370	40	720	320	<0.0008	0.58	<0.01	0.17	0.14		
		26.09.2023		Post	6.4	7.2	5	48	1548	248	32	1050	220	<0.0008	0.64	<0.01	0.3	0.22		
3	NELLOREPET LAKE	14.09.2023	LAKE	Pre	6.2	8.95	24	176	718	212	26	160	300	<0.0008	<0.0015	<0.01	<0.001	<0.015		
		21.09.2023		During	6.5	7.86	5	56	1096	202	30	360	228	<0.0008	0.18	<0.01	0.03	0.07		
		26.09.2023		Post	6.1	7.37	3	32	1230	206	24	820	192	<0.0008	0.35	<0.01	0.15	0.2		

INFERENCE: There is no marked difference in the sampled location over Vellore sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board,  
76, Mount Satal, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : RANIPET

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters										Heavy Metals mg/L			
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead
1	VEPPUR LAKE	14.09.2023	LAKE	Pre	6.3	7.48	20	144	460	138	60	170	140	<0.0008	0.14	<0.01	0.04	<0.015
		22.09.2023		During	6.5	7.4	3	24	230	74	64	57	84	<0.0008	0.10	<0.01	<0.001	<0.015
		29.09.2023		Post	6.9	7	3	24	280	79	40	110	80	<0.0008	0.11	<0.01	0.05	<0.015
2	ARCOT LAKE	14.09.2023	LAKE	Pre	6.8	7.95	28	200	926	290	32	290	360	<0.0008	0.44	<0.01	0.14	0.12
		22.09.2023		During	7.1	8.3	13	80	836	256	58	250	268	<0.0008	0.36	<0.01	0.11	0.14
		29.09.2023		Post	7	8.26	9	72	732	229	52	200	232	<0.0008	0.29	<0.01	0.08	0.09
3	MAGAMPET LAKE	14.09.2023	LAKE	Pre	6.8	8.27	19	136	820	266	8	270	256	<0.0008	0.30	<0.01	0.19	0.12
		20.09.2023		During	6.5	8.47	3	24	842	251	8	310	266	<0.0008	0.32	<0.01	0.26	0.15
		25.09.2023		Post	5.5	7.86	2	8	910	262	8	390	236	<0.0008	0.36	<0.01	0.38	0.21
4	MAVERU LAKE	14.09.2023	LAKE	Pre	7	7.95	20	144	780	222	8	330	180	<0.0008	0.28	<0.01	0.11	0.05
		20.09.2023		During	7	8.27	5	56	674	217	8	250	184	<0.0008	0.20	<0.01	0.06	0.06
		25.09.2023		Post	6	7.78	3	24	680	220	8	270	172	<0.0008	0.21	<0.01	0.07	0.05
5	TANDALAM LAKE	14.09.2023	LAKE	Pre	7	7.83	24	176	1210	503	42	500	196	<0.0008	0.54	<0.01	0.3	0.18
		20.09.2023		During	6.8	8.4	12	88	1081	473	50	400	188	<0.0008	0.48	<0.01	0.25	0.14
		29.09.2023		Post	7.1	7.63	4	40	810	295	30	330	160	<0.0008	0.39	<0.01	0.18	0.08
6	PULIYANTHANGAL LAKE	14.09.2023	LAKE	Pre	6.1	7.82	27	184	1020	320	34	350	232	<0.0008	0.44	<0.01	0.21	0.18
		22.09.2023		During	7	7.7	4	56	1110	286	10	260	228	<0.0008	0.5	<0.01	0.19	0.15
		29.09.2023		Post	7	7.36	3	24	380	79	12	110	160	<0.0008	0.10	<0.01	0.08	<0.015

INFERENCE: There is no marked difference in the sampled location over the Ranipet sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

DEPUTY DIRECTOR (LABS)

Tamilnadu Pollution Control Board

76, Mount Sathai, Guindy,

Chennai-600 032.

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Analysis results (Physico-Chemical and Bacteriological Parameters) of different water bodies over Tamil Nadu State monitored during pre- and post-flood immersion activity during Ganesh Chaturthi - 2023

District : VANIYAMBADI

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters							Heavy Metals (mg/L)						
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead
1	PALLIPATI U LAKE VANIYAMBADI	14.09.2023	LAKE	Pre	4.8	8.7	5	48	878	305	24	240	312	<0.0008	0.45	<0.01	0.14	0.12
				During	7.1	9.02	6	56	746	202	60	200	320	<0.0008	0.34	<0.01	0.08	0.09
				Post	6.9	8.09	5	48	610	172	42	180	220	<0.0008	0.28	<0.01	<0.001	<0.015
2	ADHIYUR LAKE, TRIPURATHUR	14.09.2023	LAKE	Pre	4.9	9.1	4	40	768	222	22	250	336	<0.0008	0.38	<0.01	<0.001	<0.015
				During	6.2	8.17	4	56	846	261	10	140	272	<0.0008	0.54	<0.01	0.07	0.11
				Post	6.4	8.15	3	32	620	182	14	210	212	<0.0008	0.3	<0.01	<0.001	0.06
3	KALLIKUZZHAI LAKE, NATAYANALI	20.09.2023	LAKE	Pre	6	8.69	10	136	368	54	46	110	192	<0.0008	0.21	<0.01	<0.001	0.08
				During	6.1	8.04	8	64	382	64	56	120	172	<0.0008	0.23	<0.01	<0.001	0.1
				Post	6.5	7.54	2	16	280	61	32	130	76	<0.0008	0.16	<0.01	<0.001	0.08
4	SANTHORKUPPAM LAKE, AMBUR	14.09.2023	LAKE	Pre	7	8.77	2	16	318	64	8	180	330	<0.0008	0.22	<0.01	<0.001	<0.015
				During	6.1	7.9	3	32	1020	488	8	250	260	<0.0008	0.61	<0.01	0.22	0.21
				Post	6.8	8.26	3	24	926	421	8	250	220	<0.0008	0.48	<0.01	0.18	0.15
5	ANAIMADUVU LAKE, AMBUR	14.09.2023	LAKE	Pre	6.1	8.97	6	56	1160	562	8	290	296	<0.0008	0.64	<0.01	0.19	0.14
				During	6.4	8.21	2	8	644	59	8	250	312	<0.0008	0.34	<0.01	0.8	0.08
				Post	6.8	8.48	2	8	630	47	8	230	340	<0.0008	0.32	<0.01	0.8	0.07
6	NAMMAKAL DAM, JOLARPET	20.09.2023	DURING	Pre	6.5	8.51	4	40	647	133	8	220	274	<0.0008	0.38	<0.01	0.18	0.06
				During	6.4	8.64	5	48	891	167	8	360	344	<0.0008	0.52	<0.01	0.27	0.15
				Post	6	8.33	2	16	840	150	8	360	320	<0.0008	0.48	<0.01	0.24	0.13

INFERENCE: There is no marked difference in the sampled location over the Vaniyambadi silt with reference to Pre-immersion and Post-immersion that indicates pollution due to immersion of idol.

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DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Salai, Guindy,  
Chennai-600 032

Analysis results (Physico-Chemical and Bacteriological Parameters) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

S.No	Sampling Location	Date of sampling	Type of water body	General Parameters											Heavy Metals in mg/l			
				Pre: Post immersion sampling	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead
1	THAMARAIKULAM LAKE	15.09.2023	Pre	6.7	8.69	24	152	802	222	42	230	330	<0.0008	0.48	<0.01	0.09	0.12	
		20.09.2023	During	6.5	8.64	16	152	894	232	52	300	332	<0.0008	0.61	<0.01	0.12	0.18	
		26.09.2023	Post	6.9	7.75	5	56	792	206	58	310	252	<0.0008	0.53	<0.01	0.1	0.11	
2	PACHAIYAMMAN KOVIL KULAM LAKE	15.09.2023	Pre	7	8.48	2	16	660	133	8	220	290	<0.0008	0.36	<0.01	0.15	<0.015	
		20.09.2023	During	6.8	8.6	3	24	694	103	8	220	336	<0.0008	0.42	<0.01	0.19	0.06	
		26.09.2023	Post	7	7.91	2	8	402	75	8	130	180	<0.0008	0.28	<0.01	0.07	<0.015	
3	POLUR LAKE LAKE	15.09.2023	Pre	6.5	8.11	4	56	702	261	12	190	232	<0.0008	0.28	<0.01	0.1	0.08	
		20.09.2023	During	6.3	8.05	7	80	770	298	44	190	272	<0.0008	0.4	<0.01	0.15	0.12	
		26.09.2023	Post	7	7.54	5	40	610	108	28	240	240	<0.0008	0.18	<0.01	0.05	0.06	
4	KOOR LAKE LAKE	15.09.2023	Pre	6.1	7.33	3	32	184	49	28	42	76	<0.0008	0.45	<0.01	0.16	0.1	
		20.09.2023	During	6	7.39	5	56	284	49	20	110	96	<0.0008	0.52	<0.01	0.18	0.19	
		26.09.2023	Post	6.2	7.49	2	16	358	61	18	190	96	<0.0008	0.83	<0.01	0.27	0.25	
5	KONERI RAYAN LAKE LAKE	15.09.2023	Pre	6.8	8.89	16	104	856	237	46	310	292	<0.0008	0.41	<0.01	0.13	0.1	
		22.09.2023	During	6.5	8.16	12	80	894	246	20	330	260	<0.0008	0.5	<0.01	0.2	0.14	
		27.09.2023	Post	6.1	7.84	6	56	790	248	38	300	216	<0.0008	0.38	<0.01	0.1	0.07	
6	BOOMACHETTI KULAM LAKE	15.09.2023	Pre	6.6	8.7	12	104	1462	493	8	350	568	<0.0008	0.38	<0.01	0.14	0.1	
		22.09.2023	During	4.8	5.09	9	72	1494	513	8	390	520	<0.0008	0.41	<0.01	0.16	0.12	
		27.09.2023	Post	6.4	7.86	9	72	1260	416	16	340	472	<0.0008	0.25	<0.01	0.1	0.07	
7	YINTHU KAN VARAPATHI LAKE LAKE	15.09.2023	Pre	6.2	8.16	3	40	806	182	28	300	236	<0.0008	0.3	<0.01	0.19	0.12	
		22.09.2023	During	6.3	7.76	3	24	868	182	8	320	304	<0.0008	0.54	<0.01	0.24	0.21	
		27.09.2023	Post	6.7	7.59	3	24	720	140	10	330	236	<0.0008	0.21	<0.01	0.1	0.08	

INFERENCE: There is no marked difference in the sampled location over the Thiruvannamalai sight, with reference to Pre-immersion and Post Immersion, that indicates pollution due to immersion of idol.

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DEPUTY DIRECTOR (LABS)  
Tamil Nadu Pollution Control Board  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : VIRUDHUNAGAR

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals mg/l						Micro	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml		
1	KALKI DANGU WELL	12.09.2023	WELL	Pre	<5	5.6	6.71	5	8	983	9.94	644	135	34	164	60	<0.0008	<0.0015	0.017	0.007	0.031	<0.0015	6.8	14		
				Post																						
2	ALAN GULAM QUARRY	12.09.2023	Pill	Pre	<5	6.1	7.7	2	16	264	1.19	182	35	12	96	60	<0.0008	<0.0015	0.009	0.024	0.038	<0.0015	7.8	21		
				During																						
3	AAVID UYAPURAM WELL	12.09.2023	Well	Pre	<5	6	7.08	5	8	1859	0.33	1234	360	12	196	276	<0.0008	<0.0015	0.019	0.016	0.075	0.007	4	14		
				During																						
4	KURNUR TANK	14.09.2023	Tank	Pre	<5	5.8	7.5	2	96	877	46	584	185	80	140	80	<0.0008	<0.0015	0.123	0.174	0.13	0.482	<1.8	17		
				During																						
5	KOORAP ATTI TANK	14.09.2023	Tank	Pre	<5	6	8.01	5	96	1602	50.8	1060	335	94	140	96	<0.0008	<0.0015	0.117	0.124	0.129	0.35	1.8	17		
				During																						
6	RAMACHANDRAMPURAM TANK	14.09.2023	Tank	Pre	<5	6.1	8.1	2	72	538	88.4	360	95	76	100	72	<0.0008	<0.0015	0.094	0.055	0.115	0.018	2	20		
				During																						
6	RAMACHANDRAMPURAM TANK	15.09.2023	Tank	Pre	<5	6.1	8.1	2	72	538	88.4	360	95	76	100	72	<0.0008	<0.0015	0.094	0.055	0.115	0.018	2	20		
				Post																						

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DD (Labs) JPCSO  
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Tamilnadu Pollution Control Board,  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post- tidal immersion activity during Ganesh Chaturthi - 2023

District : VIRUDHUNAGAR

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals (µg/L)							Micro	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml			
7	KONAGIR I KULAM	14.09.2023	Kulam	Pre	<5	6	7.07	2	24	309	33.2	210	45	50	84	52	<0.0008	<0.0015	0.028	0.013	0.104	0.027	<1.8	14			
		15.09.2023		Post	<5	6	7.07	2	24	309	33.2	210	45	50	84	52	<0.0008	1.27	0.113	2.475	0.795	2.385	<1.8	14			
8	MADAVARVALAGAM KULAM	14.09.2023	Kulam	Pre	<5	6.1	8.26	2	128	462	13	304	85	54	76	38	<0.0008	<0.0015	0.03	0.032	0.101	0.055	<1.8	9.2			
				Post	<5	6.1	8.26	2	128	462	13	304	85	54	76	38	<0.0008	<0.0015	0.03	0.032	0.101	0.055	<1.8	9.2			
9	Kalkidangu. E.Mettur, Yelajirmpada	14.09.2023	Well	Pre	<5	5.9	7.88	5	88	1426	1.41	930	315	60	212	100	<0.0008	<0.0015	0.099	0.029	0.131	0.023	<1.8	17			
				Post	<5	5.9	7.88	5	88	1426	1.41	930	315	60	212	100	<0.0008	<0.0015	0.099	0.029	0.131	0.023	<1.8	17			
10	Arupukottai Periya Kanmai	21.09.2023	Kanmai	Pre	<5	4.8	7.71	6	96	954	12	630	210	30	100	80	0.009	0.054	0.021	0.309	0.273	0.364	6.8	39			
				During	<5	4.8	7.71	6	96	954	12	630	210	30	100	80	0.009	0.054	0.021	0.309	0.273	0.364	6.8	39			
				Post	<5	4.6	6.67	8	104	2860	10	2010	250	32	100	100	0.026	0.018	0.03	0.654	0.347	0.13	7.9	43			
				Post - Sediments	<5	4.6	6.67	8	104	2860	10	2010	250	32	100	100	0.035	0.065	0.045	17.81	2.75	1.275	7.9	43			
11	Quarry Pit	21.09.2023	Pit	Pre	<5	5.8	6.72	3	88	283	10.32	184	40	14	100	80	0.039	0.017	0.021	0.244	0.257	0.022	2	53			
				During	<5	5.8	6.72	3	88	283	10.32	184	40	14	100	80	0.039	0.017	0.021	0.244	0.257	0.022	2	53			
				Post	<5	5.5	6.55	5	88	320	8	224	50	16	120	80	0.025	0.017	0.032	0.273	0.347	0.019	2	49			
				Post - Sediments	<5	5.5	6.55	5	88	320	8	224	50	16	120	80	0.035	0.065	0.045	18.15	2.015	1.32	2	49			
12	Well	21.09.2023	Well	Pre	<5	5.8	6.99	6	320	1869	1.1	1238	400	14	350	100	0.012	0.04	0.029	0.265	0.263	0.088	4.5	43			
		22.09.2023		Post	<5	5.4	6.91	8	104	1990	9.2	1386	480	16	400	200	0.026	1.014	0.033	0.218	0.348	0.007	4.5	49			
13	Quarry Pit	21.09.2023	Pit	Pre	<5	5.2	7.98	3	136	267	60	188	250	14	200	100	0.017	0.04	0.128	0.238	0.284	0.566	7.8	23			
		22.09.2023		Post	<5	5	7.69	4	144	290	32	192	320	16	220	110	0.025	0.017	0.131	0.24	0.35	0.014	7.8	43			

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District: VIRUDHUNAGAR

S.No	Sampling Location	Date of sampling	Type of water body	Pre/Post immersion sampling	General Parameters													Heavy Metals mg/L						Micro	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml	
14	Pond	15.09.2023	Pond	Pre - Sediment	10	5.7	6.95	22	208	2940	87	1948	555	36	448	316	<0.0008	<0.0015	0.105	0.284	0.138	0.054	<1.8	7.8	
		21.09.2023		During	<5	6.5	6.98	6	80	552	58	386	156	16	110	96	0.307	0.018	0.12	0.296	0.293	0.426	4.3	45	
		22.09.2023		Post	10	5.3	7.53	7	88	560	40	392	162	18	140	100	0.026	0.011	0.126	0.098	0.359	0.016	4.3	47	
15	Pond	15.09.2023	Pond	Pre - Sediments	10	5.9	7	5	24	351	64	244	50	12	116	72	<0.0008	<0.0015	0.128	0.874	0.146	0.195	<1.8	8.2	
		21.09.2023		During	10	5.2	6.43	3	32	190	28	132	65	14	110	80	0.018	0.0726	0.102	4.735	0.77	1.4	4.5	27	
		22.09.2023		Post - Sediments	10	5	6.48	5	80	280	20	198	82	16	120	80	0.023	0.819	0.122	0.669	0.361	0.226	4.5	27	
16	Kanmai	21.09.2023	Kanmai	Pre	<5	5.8	6.67	4	72	833	52.5	584	250	60	80	60	0.018	0.071	0.036	0.289	0.286	0.87	4.5	23	
		22.09.2023		During - Sediments	<5	5.4	6.5	5	80	860	38.2	592	260	62	110	80	0.04	0.56	0.041	1.39	1.19	0.97	7.8	39	
				Post - Sediments	<5	5.4	6.5	5	80	860	38.2	592	260	62	110	80	0.024	0.077	0.014	0.29	0.374	0.089	1.705		
17	Kanmai	21.09.2023	Kanmai	Pre	10	5.8	6.83	3	40	253	11.2	174	84	12	80	40	0.016	0.04	0.041	0.292	0.297	0.072	2	23	
		22.09.2023		During - Sediments	10	5.4	7.4	5	48	290	10.2	178	84	14	80	50	0.05	1.005	0.096	10.59	5.025	1.12			
				Post - Sediments	10	5.4	7.4	5	48	290	10.2	178	84	14	80	50	0.022	0.016	0.052	0.129	0.348	0.033	2	23	
18	Periya Kanmai	21.09.2023	Kanmai	Pre	<5	5.2	7.49	6	80	1403	15.2	928	315	62	110	100	0.02	0.088	0.104	0.278	0.308	0.047	4.5	32	
		22.09.2023		During - Sediments	<5	5	7.58	8	96	1410	12.1	942	320	64	110	100	0.03	0.201	0.123	8.845	1.475	1.23	4.5	49	
				Post - Sediments	<5	5	7.58	8	96	1410	12.1	942	320	64	110	100	0.024	0.02	0.131	0.239	0.35	0.06	4.5	49	
19	Well		Well	Pre	<5	5	7.6	25	216	2830	90	1924	555	74	100	80	0.006	0.009	0.158	0.587	0.141	0.671	2	11	
				During	<5	5.2	6.71	10	80	970	45.6	664	560	48	100	80	0.026	0.015	0.161	0.108	0.354	0.039	1.8	8.2	
				Post	<5	5.2	6.71	10	80	970	45.6	664	560	48	100	80	0.026	0.015	0.161	0.108	0.354	0.039	1.8	8.2	
20	Quarry Pit	22.09.2023	Pit	Pre	<5	5.7	7.36	6	72	1384	79	964	450	16	80	60	0.028	0.022	0.135	0.856	0.367	0.03	9.1	24	
		23.09.2023		During	<5	5	7.36	8	96	1451	12	1010	480	18	80	60	0.027	0.019	0.142	0.071	0.354	0.015	9.1	24	
				Post	<5	5	7.36	8	96	1451	12	1010	480	18	80	60	0.027	0.019	0.142	0.071	0.354	0.015	9.1	24	

INFERENCE: There is no marked difference in the sampled location over the Virudhunagar sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Signature]*  
30/10/23  
ES  
Virudhunagar

*[Signature]*  
30/10/23  
D.S. (Lab)

DEPUTY DIRECTOR (LAI)  
Tamilnadu Pollution Control B  
76, Mount Satai, Guindy,  
Chennai-600 032.



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre, during and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : THOOTHUKUDI

S. No	Sampling Location	Date of sampling	Type of water body	Pre/ During/ Post immersion sampling	General Parameters														Heavy Metals : mg/L						Microbiological	
					Colour	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml		
1	Thirispuram	24.09.2023	Sea water	Pre	colour less	6.8	7.64	2.86	104	54600	2.32	40920	27440	2	5900	90	0.001	<0.001	<0.003	0.383	<0.001	<0.001	6	11		
				During	colour less	6.7	7.58	2.98	96	54400	2.56	40860	27930	2	6010	100	0.003	<0.001	<0.003	0.215	<0.001	0.092	6.1	13		
				Post	colour less	6.8	7.62	2.9	96	54500	2.38	40850	27440	2	6400	98	0.001	<0.001	<0.003	0.065	<0.001	0.099	8.2	17		
2	Muthiyapura m	26.09.2023	Sea water	Pre	colour less	6.5	8.05	2.54	88	53500	1.14	39860	25970	2	6100	98	0.002	<0.001	<0.003	0.110	<0.001	<0.001	8.2	13		
				During	colour less	6.4	8.06	2.42	96	53600	1.26	40240	26460	2	6160	102	0.004	<0.001	<0.003	0.174	<0.001	0.034	8.3	14		
				Post	colour less	6.5	8.04	2.48	88	53400	1.18	40080	25970	2	6140	102	0.003	<0.001	<0.003	0.182	<0.001	0.024	9.1	20		
3	Tiruchendur	24.09.2023	Sea water	Pre	colour less	6.9	8.21	2.67	96	52900	1.06	39630	25480	2	6000	100	<0.001	<0.001	<0.003	0.054	<0.001	<0.001	8.3	17		
				During	colour less	6.8	8.17	2.78	104	52600	1.18	39400	25970	2	6000	100	0.003	<0.001	<0.003	0.224	<0.001	0.033	8.1	15		
				Post	colour less	6.9	8.2	2.7	96	52800	1.08	39640	25480	2	6200	100	0.002	<0.001	<0.003	0.051	<0.001	0.031	9.3	21		
4	Kilasekara pattinam	15.09.2023	Sea water	Pre	colour less	6.7	8.15	2.32	112	52800	1.04	39620	24990	2	6400	100	<0.001	<0.001	<0.003	0.100	<0.001	<0.001	9.1	14		
				During	colour less	6.6	8.02	2.46	120	52700	1.16	39500	25480	2	6140	102	<0.001	<0.001	<0.003	0.411	<0.001	0.026	9.2	17		
				Post	colour less	6.7	8.14	2.38	104	52600	1.06	39440	24990	2	6280	100	0.003	<0.001	<0.003	0.047	<0.001	0.022	6.2	14		
5	Vembar	22.09.2023	Sea water	Pre	colour less	6.7	8	2.38	104	53800	1.08	40360	26460	2	6260	100	0.001	<0.001	<0.003	0.077	<0.001	0.040	6.1	15		
				During	colour less	6.3	8.03	2.44	112	53700	1.24	40280	26460	2	5800	96	0.001	<0.001	<0.003	0.133	<0.001	0.034	8.1	17		
				Post	colour less	6.7	8	2.4	104	53600	1.12	40220	25970	2	5860	94	0.003	<0.001	<0.003	0.078	<0.001	0.023	6.1	13		
6	Eral	22.09.2023	River Water	Pre	colour less	6.5	7.72	2.44	16	194	0.8	112	12.7	2	8	54	0.001	<0.001	<0.003	0.087	<0.001	0.042	11	24		
				During	slate yellow	6.4	7.68	2.58	32	186	2.1	110	10.8	2	20	56	0.001	<0.001	<0.003	0.274	<0.001	0.028	12	26		
				Post	colour less	6.5	7.63	2.46	24	170	0.9	98	9.8	2	16	52	0.005	<0.001	<0.003	0.087	<0.001	0.024	10	25		
7	Abandoned quarry, Akilandapuram village, Kayathar	24.09.2023	Surface water	Pre	colour less	6.2	9.17	2.86	72	210	2.3	140	7.8	2	4	76	0.002	<0.001	<0.003	0.121	<0.001	0.042	32	56		
				During	Brown	5.8	8.27	5.94	88	256	15.4	180	8.8	22	2	80	0.002	<0.001	<0.003	0.299	<0.001	0.047	38	76		
				Post	colour less	6	9.05	5.62	64	240	8.8	160	8.8	10.6	20	74	0.001	<0.001	<0.003	0.136	<0.001	0.025	35	65		

INFERENCE: There is no marked difference in the sampled location over the Thoothukudi signl with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Handwritten signature]*  
ES

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PESON(AKWS)

*[Handwritten signature]*  
DD (Labs) etc

DEPUTY DIRECTOR (IA)  
Tamilnadu Pollution Control E  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Tirunelveli

Sl. No	Sampling Location in Tirunelveli	Date of sampling	Type of water body	Immersion Sampling	General Parameters													Heavy Metals									
					DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Conductivity (µmho/cm)	Turbidity (mg/l)	Total dissolved Solids (mg/l)	Chlorides (mg/l)	Total Suspended Solids (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform				
1	Tamparaipattinam R. Kankarukulam	13.09.2023	River	Pre	5.4	6.34	4	32	110	110	3	80	12	4	52	16	<0.0008	0.014	<0.01	<0.1	<0.015	0.017	5	5			
		24.09.2023	River	During	4.8	7.08	12	96	386	5	284	75	12	4	124	28	<0.0008	0.021	<0.01	<0.1	<0.015	0.03	6.1	15			
2	Vannaragorai Canal, Chinnirai River	26.09.2023		Post	5.6	7.47	4	32	97	3	72	15	4	48	12	<0.0008	0.011	<0.01	<0.1	<0.015	0.01	6.8	7				
		13.09.2023	River	Pre	5.3	6.26	3	24	112	4	86	15	8	54	16	<0.0008	0.017	<0.01	<0.1	<0.015	0.02	8.2	22				
3	Madratheswarar	26.09.2023	River	During	4.4	6.72	10	80	320	6	240	60	16	90	24	<0.0008	0.026	<0.01	<0.1	<0.015	0.036	10	24				
		24.09.2023	River	Post	5.4	7.12	3	24	104	3	78	18	6	52	12	<0.0008	0.013	<0.01	<0.1	<0.015	0.015	9.3	24				
4	Karakuthurai	13.09.2023	River	Pre	5.2	6.21	0	48	105	3	82	13	6	52	20	<0.0008	0.012	<0.01	<0.1	<0.015	0.015	10	25				
		26.09.2023	River	During	4.3	6.85	15	60	587	6	424	90	16	48	16	<0.0008	0.028	<0.01	<0.1	<0.015	0.048	14	31				
5	Narainatharav	24.09.2023	River	Post	5.2	7.15	5	60	100	3	74	16	4	60	12	<0.0008	0.009	<0.01	<0.1	<0.015	0.009	13	27				
		13.09.2023	River	Pre	5.9	6.46	5	40	98	3	74	10	4	48	16	<0.0008	0.019	<0.01	<0.1	<0.015	0.011	5.1	15				
6	Uvari	26.09.2023	River	During	4.5	7	13	104	428	5	316	85	16	110	24	<0.0008	0.036	<0.01	<0.1	<0.015	0.039	6	14				
		24.09.2023	River	Post	5.8	6.48	4	32	85	3	62	12	4	42	8	<0.0008	0.001	<0.01	<0.1	<0.015	0.013	6.8	17				
7	Chellikulam	13.09.2023	River	Pre	5.9	6.36	3	24	108	3	86	15	4	56	16	<0.0008	0.015	<0.01	<0.1	<0.015	0.012	8.1	22				
		26.09.2023	River	During	4.7	6.92	12	96	392	6	286	65	14	100	20	<0.0008	0.027	<0.01	<0.1	<0.015	0.046	8	21				
8	Thiluvananthooru	26.09.2023	River	Post	5.8	6.94	4	32	104	3	78	18	4	52	12	<0.0008	0.01	<0.01	<0.1	<0.015	0.006	9.3	24				
		13.09.2023	River	Pre	6	6.57	5	40	36700	6	28624	13996	8	1860	12	<0.0008	0.018	<0.01	<0.1	<0.015	0.068	11	21				
9	Uvari	24.09.2023	Sea	During	4.2	7.02	9	72	48100	12	35596	16765	28	3600	216	<0.0008	0.018	<0.01	<0.1	<0.015	0.068	10	22				
		26.09.2023	Sea	Post	6.1	7.42	4	32	37900	6	27828	13560	8	1980	262	<0.0008	0.037	<0.01	<0.1	<0.015	0.043	11	24				
10	Chellikulam	13.09.2023	Sea	Pre	6.1	7.36	4	32	38000	7	28920	15995	12	1940	236	<0.0008	0.072	<0.01	<0.1	<0.015	0.065	10	22				
		24.09.2023	Sea	During	4.5	7.48	6	48	48900	12	37280	19995	28	3960	340	<0.0008	0.107	<0.01	<0.1	<0.015	0.098	10	26				
11	Thiluvananthooru	26.09.2023	Sea	Post	6.2	7.28	3	24	39200	6	29368	15980	12	2160	248	<0.0008	0.052	<0.01	<0.1	<0.015	0.048	9.2	24				
		13.09.2023	Sea	Pre	5.9	7.59	4	32	38400	6	29160	16575	8	2040	240	<0.0008	0.06	<0.01	<0.1	<0.015	0.094	9	21				
12	Thiluvananthooru	24.09.2023	Sea	During	4.3	7.4	9	72	46900	12	34284	17860	20	3560	284	<0.0008	0.084	<0.01	<0.1	<0.015	0.119	9	26				
		26.09.2023	Sea	Post	6.2	7.18	4	32	38200	6	28924	15920	8	1920	208	<0.0008	0.042	<0.01	<0.1	<0.015	0.069	9.3	26				

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023

District: Tirunelveli

Sl. No	Sampling Location in Tirunelveli	Date of sampling	Type of water body	Immersion Sampling	DO (mg/l)	pH	Hardness (mg/l)	CO <sub>2</sub> (mg/l)	Conductivity (umho/cm)	Turbidity (mg/l)	Total Dissolved Solids (mg/l)	Chlorides (mg/l)	Total Suspended Solids (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform
9	V.K Puram	24.09.2023	River	Pre	5.8	6.62	3	24	80	3	62	12	4	44	15	<0.0008	0.034	<0.01	<0.1	<0.015	0.028	11	26
				During	4.6	6.48	9	72	380	90	14	128	6	780	90	14	128	24	<0.0008	0.063	<0.01	<0.1	0.041
10	Cheranamahadevi	26.09.2023	River	Post	5.1	6.78	3	24	96	3	72	15	4	40	12	<0.0008	0.023	<0.01	<0.1	<0.015	0.019	10	26
				Pre	5.7	6.6	3	24	56	12	4	28	2	46	12	4	28	4	<0.0008	0.016	<0.01	<0.1	0.012
11	Thirupudamardhin	26.09.2023	River	During	4.2	6.8	10	80	202	4	196	60	16	76	20	<0.0008	0.34	<0.01	<0.1	<0.015	0.032	6.3	24
				Post	5.0	6.81	3	24	51	10	4	24	4	42	10	4	24	4	<0.0008	0.019	<0.01	<0.1	0.015
12	Gopalsamudram	24.09.2023	River	Pre	5.8	6.56	3	24	59	5	152	15	4	62	16	<0.0008	0.029	<0.01	<0.1	<0.015	0.015	6.0	17
				During	4.6	6.80	8	72	196	16	10	82	3	46	14	4	20	4	<0.0008	0.016	<0.01	<0.1	0.037
13	Maruthan Nagar	26.09.2023	River	Pre	5.6	6.03	4	32	55	3	46	14	4	20	12	<0.0008	0.012	<0.01	<0.1	<0.015	0.025	5.6	12
				During	4.1	6.82	13	104	185	40	12	56	5	136	40	12	56	20	<0.0008	0.034	<0.01	<0.1	0.04
14	Seewalaperi	26.09.2023	River	Post	5.9	6.82	4	32	75	3	56	17	4	24	12	<0.0008	0.015	<0.01	<0.1	<0.015	0.014	14	31
				Pre	5.7	6.66	3	24	71	10	4	28	3	56	10	4	28	17	<0.0008	0.019	<0.01	<0.1	0.013
15	Karkurukikulam	24.09.2023	River	During	4.5	7.16	10	80	198	5	152	45	12	60	16	<0.0008	0.036	<0.01	<0.1	<0.015	0.016	9.1	24
				Post	5.8	6.92	5	40	78	13	4	24	3	60	13	4	24	12	<0.0008	0.011	<0.01	<0.1	0.016
16	Vaagalkulam	24.09.2023	River	Pre	5	6.50	8	64	289	4	216	85	6	64	20	<0.0008	0.052	<0.01	<0.1	<0.015	0.024	14	33
				During	4.2	7.2	16	128	465	110	10	140	7	362	110	10	140	28	<0.0008	0.074	<0.01	<0.1	0.045
17	Township Kidankulam	24.09.2023	Sea	Post	4.9	6.81	6	48	170	4	132	45	4	56	16	<0.0008	0.045	<0.01	<0.1	<0.015	0.019	15	31
				Pre	5.8	7.05	6	48	481	85	6	90	4	352	85	6	90	24	<0.0008	0.024	<0.01	<0.1	0.024
18	Karkurukikulam	26.09.2023	River	During	4.3	7.58	13	104	570	7	428	120	12	170	24	<0.0008	0.049	<0.01	<0.1	<0.015	0.036	15	34
				Post	5.8	6.92	4	32	362	55	6	80	4	272	55	6	80	20	<0.0008	0.019	<0.01	<0.1	0.024
19	Vaagalkulam	24.09.2023	River	Pre	5.6	7.39	5	40	587	4	420	115	8	130	24	<0.0008	0.019	<0.01	<0.1	<0.015	0.024	17	38
				During	4.1	7.02	12	96	590	140	14	170	7	516	140	14	170	32	<0.0008	0.036	<0.01	<0.1	0.039
20	Vaagalkulam	26.09.2023	River	Post	5.8	7.1	3	24	470	4	352	90	6	120	16	<0.0008	0.013	<0.01	<0.1	<0.015	0.02	15	31
				Pre	6.1	7.77	3	24	3780	13860	20	1980	4	2724	13860	20	1980	72	<0.0008	0.025	<0.01	<0.1	0.038
21	Township Kidankulam	24.09.2023	Sea	During	4.3	7.41	5	40	4780	10	3580	18950	26	3260	248	<0.0008	0.039	<0.01	<0.1	<0.015	0.057	6.8	14
				Post	6	7.32	4	32	38100	14380	20	2120	7	28960	14380	20	2120	68	<0.0008	0.018	<0.01	<0.015	0.026

INFERENCE: There is no marked difference in the sampled location over the Tirunelveli silt, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Signature]*  
ES  
Principals R.

*[Signature]*  
DCSO (APW)

DD (Labs) etc

DEPUTY DIRECTOR (I.A.)  
Tamilnadu Pollution Control B  
76, Mount Salai, Guindy,  
Chennai-600 032.

**Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tirumelveli, Tenkasi, Kanyakumari monitored pre-, during & post-idol immersion activity during Ganesh Chaturthi - 2023**

Sl. No	Sampling Location In Tenkasi	Date of sampling	Type of water body	Immersion Sampling	General Parameters														Heavy metal, mg/L					Total coliform	Fecal coliform
					DO (mg/l)	pH	NO <sub>2</sub> (mg/l)	CO <sub>2</sub> (mg/l)	Conductivity (µmhos/cm)	Turbidity (mg/l)	Total Dissolved Solids (mg/l)	Chlorides (mg/l)	Total Suspended Solids (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Calcium	Copper	Chromium total	Manganese	Lead	Zinc				
1	Karpappanath	14.09.2023	River	Pre	5.8	7.2	4	32	197	4	134	21	4	28	12	<0.0008	0.039	<0.01	<0.1	<0.015	0.024	5.5	14		
		20.09.2023		During	4.7	6.83	13	104	316	8	236	72	16	60	24	<0.0008	0.028	<0.01	<0.1	<0.015	0.049	6	17		
2	Rayyapatti	22.09.2023	River	Post	6	7.07	4	32	123	3	96	18	4	20	12	<0.0008	0.012	<0.01	<0.1	<0.015	0.018	6.9	17		
		14.09.2023		Pre	5.3	6.7	5	40	2730	5	2196	566	8	780	36	<0.0008	0.024	<0.01	<0.1	<0.015	0.018	6.1	13		
3	Karthikavari	20.09.2023	River	During	4.3	6.85	14	112	3826	9	2796	690	20	828	52	<0.0008	0.045	<0.01	<0.1	<0.015	0.036	6	14		
		22.09.2023		Post	6.5	6.99	3	24	2650	4	1964	490	6	640	28	<0.0008	0.02	<0.01	<0.1	<0.015	0.013	5.8	21		
4	Farthara River	14.09.2023	River	Pre	5.7	7.23	4	32	191	6	136	25	6	52	20	<0.0008	0.039	<0.01	<0.1	<0.015	0.015	8.3	21		
		19.09.2023		During	4.6	7.1	13	104	316	9	237	75	14	110	24	<0.0008	0.039	<0.01	<0.1	<0.015	0.012	10	25		
5	Hiriyamar	22.09.2023	River	Post	5.6	7.17	3	24	130	5	96	20	4	48	16	<0.0008	0.018	<0.01	<0.1	<0.015	0.018	8.2	26		
		14.09.2023		Pre	5.9	7.06	4	32	484	8	356	82	6	192	32	<0.0008	0.036	<0.01	<0.1	<0.015	0.033	13	25		
6	Gurubaru	19.09.2023	River	During	4.2	7.03	12	24	348	4	476	135	4	146	24	<0.0008	0.015	<0.01	<0.1	<0.015	0.033	10	20		
		22.09.2023		Post	5.5	7.23	3	24	348	4	262	75	4	146	24	<0.0008	0.015	<0.01	<0.1	<0.015	0.024	3.6	20		
7	Sthara	14.09.2023	River	Pre	5.0	6.80	4	32	86	3	66	10	4	36	16	<0.0008	0.025	<0.01	<0.1	<0.015	0.046	6.1	25		
		19.09.2023		During	4.1	6.82	14	112	196	5	132	55	10	68	20	<0.0008	0.042	<0.01	<0.1	<0.015	0.019	4	15		
8	Near E.ghant Bridge	22.09.2023	River	Post	6.9	7.14	3	24	83	3	62	12	4	32	12	<0.0008	0.018	<0.01	<0.1	<0.015	0.021	8.2	20		
		14.09.2023		Pre	5.5	6.86	4	32	314	4	210	27	8	170	16	<0.0008	0.028	<0.01	<0.1	<0.015	0.021	11	25		
9	Kareena River	14.09.2023	River	During	4.3	7.1	13	104	548	5	476	110	18	280	28	<0.0008	0.049	<0.01	<0.1	<0.015	0.035	8.3	24		
		22.09.2023		Post	6.6	6.86	4	32	245	4	160	30	10	110	12	<0.0008	0.025	<0.01	<0.1	<0.015	0.017	8.3	24		
10	Kanyakumari	19.09.2023	River	Pre	5.3	6.87	6	48	389	3	248	36	10	60	20	<0.0008	0.026	<0.01	<0.1	<0.015	0.074	9.1	17		
		22.09.2023		During	4.1	7.16	17	136	505	6	428	170	18	170	32	<0.0008	0.057	<0.01	<0.1	<0.015	0.074	9.2	31		
11	Kanyakumari	14.09.2023	River	Pre	5.6	6.76	4	32	291	3	220	32	8	140	16	<0.0008	0.02	<0.01	<0.1	<0.015	0.028	9.2	31		
		19.09.2023		During	4.4	6.46	11	88	238	5	184	60	12	86	20	<0.0008	0.039	<0.01	<0.1	<0.015	0.052	10	24		
12	Kanyakumari	22.09.2023	River	Post	6.1	6.81	4	32	95	3	72	15	4	32	8	<0.0008	0.012	<0.01	<0.1	<0.015	0.026	6.8	20		
		14.09.2023		Pre	5.7	6.83	4	32	107	3	84	18	6	36	12	<0.0008	0.018	<0.01	<0.1	<0.015	0.025	8.2	21		
13	Kanyakumari	14.09.2023	River	During	4.5	6.76	12	96	260	6	196	65	14	104	20	<0.0008	0.042	<0.01	<0.1	<0.015	0.058	11	25		
		22.09.2023		Post	5.5	6.74	4	32	95	3	66	15	4	32	8	<0.0008	0.015	<0.01	<0.1	<0.015	0.018	9.3	24		

INFERENCE: There is no marked difference in the sampled location over the Tenkasi sight with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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Signature: *[Handwritten Signature]*  
 DEPUTY DIRECTOR (LABS)  
 Tamilnadu Pollution Control Board,  
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 Chennai-600 032.

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Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District: KARUR

S.No	Sampling Location in Chennai	Date of sampling	Type of water body	Pre/Post immersion sampling	General Parameters													Heavy Metals				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Cobalt	Copper	Chromium Total	Manganese	Lead	Zinc
1	Tiruvalluvarayan Cauvery Bridge	19.09.2023	River Water Sample	Pre	6.3	8.06	<2.0	16	363	2	212	50	8	70	28	0.084	0.107	0.017	<0.010	0.053	0.078	0.103
		20.09.2023		During	6	7.67	2	24	363	3.04	256	65	10	90	32	0.094	0.121	0.023	<0.010	0.072	0.082	0.11
		25.09.2023		Post	5.3	7.17	3	24	396	3.47	268	70	10	120	40	0.112	0.148	0.051	<0.010	0.077	0.102	0.136
2	River Cauvery below Vengal Mahur Bridge	19.09.2023	River Water Sample	Pre	7	7.99	<2.0	8	371	<1.0	200	35	4	70	24	0.019	0.122	0.026	<0.010	0.043	0.041	0.096
		20.09.2023		During	6.8	7.81	2	16	340	1.12	232	45	6	90	28	0.025	0.144	0.034	<0.010	0.054	0.05	0.04
		25.09.2023		Post	6.4	7.66	2	24	356	1.39	244	45	8	110	36	0.048	0.144	0.045	<0.010	0.063	0.074	0.129
3	Kadambar Kovil at Kulthital	19.09.2023	River Water Sample	Pre	7.2	7.86	3	24	414	<1.0	260	55	12	110	32	0.027	0.128	0.008	<0.010	0.024	0.026	0.172
		20.09.2023		During	6.7	8.06	3	24	451	3	308	70	16	130	36	0.034	0.153	0.01	<0.010	0.034	0.028	0.184
		25.09.2023		Post	6.6	7.52	3	32	482	4.12	320	80	16	170	48	0.038	0.182	0.022	<0.010	0.041	0.052	0.206

INFERENCE: There is no marked difference in the sampled location over the Karur sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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20/09/2023

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DCSO  
25/09/2023

DEPUTY DIRECTOR (LABS)  
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DDU/absh/c

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post- tidal immersion activity during Ganesh Chaturthi - 2023 District : MADURAI

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals mg/L						Micro Biological	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml		
1	Sevanthikulam Kannoi Thirupparamkundram	15.09.2023	Kannoi	Pre	<5	5.7	8.28	6	160	1694	80.9	1138	480	64	176	170	<0.0008	<0.0015	0.123	0.021	0.121	0.03	<1.8	14		
				During	<5	5.2	6.88	8	152	1680	100	1178	5.1	66	260	160	0.022	0.014	0.125	0.242	0.326	0.03	7.8	41		
				Post	10	5	6.69	9	32	1580	78	1094	610	60	264	152	0.022	0.097	0.13	0.235	0.316	0.46	7.8	41		
2	Ayanthipakkudi Kannoi Ayanthipparam	20.09.2023	Kannoi	Pre	<5	5.8	6.08	5	64	1532	182	1950	235	20	204	420	<0.0008	<0.0015	0.102	0.06	0.32	0.027	2	17		
				During	10	5	6.56	7	72	1528	32	1010	235	20	310	380	0.006	0.023	0.11	0.157	0.108	0.021	9.1	39		
				Post	10	4.9	6.8	10	80	2000	30	1600	335	24	420	400	0.019	0.018	0.124	0.297	0.335	0.02	11	49		
3	Thirunohur Kannoi Ottakadal	15.09.2023	Kannoi	Pre	<5	5.8	7.27	5	48	1212	23.8	836	265	36	188	190	<0.0008	<0.0015	0.131	0.222	0.14	0.252	<1.0	10		
				During	<5	5	6.51	7	72	1255	33	848	215	38	360	350	0.002	0.019	0.136	0.49	0.182	0.321	9.1	46		
				Post	<5	4.0	6.86	10	80	1870	30	1248	235	36	390	320	0.008	0.406	0.14	0.434	0.337	0.406	4.5	48		
4	Dhruvpathy Amman Kovil Theppakkulam Kottampatti	15.09.2023	Theppaku lan	Pre	<5	5.7	7.08	3	32	463	6.62	324	79	14	124	40	<0.0008	<0.0015	0.018	0.032	0.122	0.007	<1.0	10		
				During	<5	5	6.93	5	88	510	10	385	100	16	140	34	0.026	0.021	0.025	0.611	0.335	0.156	7.8	49		
				Post	<5	4.9	6.73	6	64	510	8	360	100	10	180	40	0.021	0.017	0.031	0.205	0.358	0.044	4.5	49		
5	Konarkulam Kannoi Kottampatti	15.09.2023	Kannoi	Pre	<5	5.9	6.77	3	40	67	74.6	62	35	28	32	14	<0.0008	<0.0015	0.02	1.098	0.147	0.041	3.6	21		
				During	<5	5.9	6.42	2	16	83	72	60	30	82	32	10	<0.0008	<0.0015	0.016	0.126	0.149	0.082	6.1	24		
				Post	<5	6.9	6.31	3	8	140	70	98	30	80	120	30	0.023	0.018	0.02	0.294	0.349	0.29	4.5	47		
6	Manikatti Theppakkulam Mehur	15.09.2023	Theppaku lan	Pre	<5	5.8	7.16	6	8	1339	3.21	920	330	26	364	270	<0.0008	<0.0015	0.13	0.756	0.148	0.01	<1.8	6.8		
				During	<5	5	6.46	8	80	1393	12.2	948	300	36	330	300	<0.0008	<0.0015	0.229	0.882	0.225	0.079	1.8	7.8		
				Post	<5	4.9	6.72	10	112	1480	10	1040	400	40	280	210	0.019	0.01	0.231	0.294	0.34	0.082	4.5	43		

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023

District : MADURAI

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals mg/l							Micro Biological	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml			
7	Uthirapatti Kannol	15.09.2023	Kannol	Pre	<5	5.9	7.04	5	88	1257	2.54	870	205	18	272	108	<0.0008	<0.0015	0.133	0.348	0.133	0.007	<1.8	7.8			
				During	<5	5	7.14	8	72	1083	4.4	748	170	36	270	340	0.001	0.075	0.135	0.176	0.057	0.189	4.5	48			
8	Sobramani Swamy Kovil Saravanapoiyal Kulam Peraiyur	22.09.2023	Kulam	Pre	<5	5.7	5.2	2	40	107	0.29	76	30	14	44	18	<0.0008	<0.0015	0.0363	0.318	0.115	0.042	<1.8	17			
				During	10	5.7	7.16	3	40	126	538	80	20	104	120	52	<0.0008	<0.0015	0.89	0.829	0.142	0.142	14	33			
9	Kunnamal Kannal Vadipatti	15.09.2023	Kannal	Pre	<5	6	6.87	5	64	676	123	484	115	58	184	84	<0.0008	<0.0015	0.079	0.5757	0.139	0.059	<1.8	7.8			
				During	10	5.8	6.4	7	72	640	242	436	85	88	130	104	0.004	0.039	0.086	0.686	0.142	0.063	14	47			
10	Uthirapatti Road Kunduru Kannal Thirunagalam	22.09.2023	Kannal	Pre	<5	5.8	7.33	5	64	972	19	676	170	20	204	84	<0.0008	<0.0015	0.138	0.119	0.131	0.076	<1.8	6.8			
				During	<5	5.2	7.53	8	32	957	26	592	205	22	192	208	0.0087	0.015	0.14	0.237	0.164	0.101	9.1	49			
11	Vaiyal Thakkal Palam Pechinaman Padibural	22.09.2023	Palam	Pre	<5	5.6	7.55	3	8	832	33.9	558	130	40	172	148	<0.0008	<0.0015	0.128	0.131	0.137	0.114	<1.8	4.5			
				During	<5	5.9	6.68	4	16	952	40	654	155	56	210	196	<0.0008	<0.0015	0.02	0.265	0.143	0.249	6.1	21			
				Post	<5	5.3	6.62	6	120	740	32	510	340	50	320	240	0.023	0.153	0.028	0.287	0.336	0.28	8.7	48			

INFERENCE: There is no marked difference in the sampled location over the Madurai sight, with reference to Prelimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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15/09/2023

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DEPUTY DIRECTOR (LAI)  
Tamilnadu Pollution Control B  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : SIVAGANGAI

S.No	Sampling Location	Date of Sampling	Type of water body	Pre/Post immersion sampling	General Parameters																	Heavy Metals in mg/L				Micro Biological	
					Color(Haze n Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml			
1	PARUPPOORAN I, KARAIKUDI	14.09.2023	OORANI	Pre	<5	5.9	8.18	3	56	746	5.54	498	174.9	44	96	68	<0.0008	<0.0015	0.017	0.104	0.12	0.022	<1.8	9.2			
				Post	<5	4.6	7.09	5	64	822	2.2	576	350	32	112	32	0.009	0.085	0.023	0.297	0.191	0.066	9.1	48			
2	SINGAMPPOORANI OORANI	20.09.2023	OORANI	Pre	<5	5.8	6.75	2	96	208	11	138	40	22	52	24	<0.0008	<0.0015	0.014	0.076	0.129	0.027	<1.8	9.2			
				Post	<5	3.6	6.6	10	88	464	0	540	270	38	144	76	0.009	0.083	0.245	4.653	0.243	0.402	17	49			
3	MARUTHANKANALUR OORANI	22.09.2023	OORANI	Pre	<5	5.8	6.74	2	8	428	802	296	70	56	92	26	<0.0008	<0.0015	0.028	0.148	0.121	0.099	1.8	6.8			
				Post	<5	6	6.9	2	8	209	91	148	255	10	132	120	0.024	0.023	0.032	0.167	0.384	0.373	9.1	49			
4	ALAGARKULLA M. MANAMADURAI	26.09.2023	KULAM	Pre	<5	5.7	6.34	3	16	258	3.32	172	30	54	84	22	<0.0008	<0.0015	0.018	0.106	0.142	0.137	1.8	14			
				Post	<5	5.1	5.85	4	32	284	39	198	35	28	192	72	0.006	0.082	0.026	0.356	0.168	0.17	9.1	32			
5	SIVAGANGAI M. THEPPAKULLA	28.09.2023	KULAM	Pre	<5	5.9	8.4	5	112	990	22.7	650	275	48	120	42	<0.0008	<0.0015	0.021	0.047	0.146	0.122	<1.8	9.2			
				Post	<5	4.8	7.92	8	136	831	40.7	586	290	12	168	96	0.033	0.012	0.028	0.076	0.37	0.123	2	9.2			
6	THATTANKULAM VAIKAI RIVER	28.09.2023	RIVER	Pre	<5	5.7	7.75	3	8	1980	5.67	1362	360	20	28	24	<0.0008	<0.0015	0.088	0.142	0.136	0.045	<1.8	14			
				Post	<5	4.5	6.79	10	88	865	9	598	380	16	180	112	0.002	0.028	0.124	0.32	0.004	0.423	4.5	49			

INFERENCE: There is no marked difference in the sampled location over the Sivagangai slightly with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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DSS (M.B.H.)

DD (Lab's) s/c

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Saffai, Guindy,  
Chennai-600 032.



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium	Copper	Chromium	Manganese	Lead	Zinc
1	Trichy	14.09.2023	Thuvaranguruchi -Bootharayagi -Arman temple	Pre	6.7	6.48	<2	16	186	8.13	126	24	14	82	18	0.058	0.193	<0.010	0.136	0.005	0.592
		21.09.2023		During	6.5	7.92	09	56	890	23.8	648	165	28	162	96	0.064	0.219	0.019	0.159	0.027	0.796
		26.09.2023		Post	5.9	6.35	3.0	24	318	15.8	232	35	28	96	76	0.118	0.474	0.023	0.638	0.941	0.647
2	Trichy	14.09.2023	Manikandam - Manikandam Pond	Pre	7.9	7.90	06	48	897	12.88	648	158	56	196	96	0.074	0.077	<0.010	0.231	0.069	0.693
		21.09.2023		During	7.3	6.61	10	64	312	27.5	238	20	26	80	02	0.091	0.108	0.014	0.294	0.081	0.816
		26.09.2023		Post	6.3	7.68	4.8	32	893	19.38	656	125	26	176	74	0.140	0.544	0.019	0.751	1.443	0.946
3	Trichy	14.09.2023	Somarasabettai - Allthural - Uyyankondan Canal	Pre	8.1	7.56	2.6	24	820	12.97	584	128	46	220	64	0.055	0.089	<0.010	0.027	0.029	0.093
		21.09.2023		During	7.2	7.54	06	48	920	6.06	680	130	14	142	64	0.067	0.104	0.014	0.044	0.036	0.118
		26.09.2023		Post	6.6	7.75	6.4	40	667	5.10	486	80	04	168	88	0.088	0.171	0.019	0.175	0.148	0.259
4	Trichy	14.09.2023	Jeeyapuram - Jeeyapuram - Cauvery River	Pre	8.4	7.52	<2	16	390	4.93	280	56	12	140	46	0.019	0.069	0.014	0.009	0.048	0.094
		21.09.2023		During	8.3	7.62	<2	16	389	6.26	282	54	04	102	76	0.026	0.088	0.014	0.016	0.049	0.156
		26.09.2023		Post	7.3	7.86	2.8	24	395	4.78	286	51	08	112	82	0.043	0.135	0.019	0.186	0.297	0.256
5	Trichy	14.09.2023	Pettavalthalai - Cauvery River	Pre	6.7	7.58	05	40	900	12.11	628	136	26	184	74	0.023	0.099	<0.010	0.010	0.072	0.099
		21.09.2023		During	6.6	7.60	07	48	948	28.0	686	64	26	202	82	0.031	0.113	0.023	0.021	0.083	0.231
		26.09.2023		Post	5.8	7.58	6.3	40	723	14.23	546	165	12	164	80	0.046	0.167	0.028	0.183	0.212	0.356

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium	Copper	Chromium	Manganese	Lead	Zinc
6	Trichy	14.09.2023	Jeeyapuram - Iyalamman Paldurai - Cauvery River	Pre	8.0	7.75	<2	16	382	5.08	278	50	18	118	68	0.018	0.090	0.019	0.021	0.070	0.108
		21.09.2023		During	7.6	7.65	2.8	24	390	5.64	284	50	10	110	58	0.029	0.137	0.023	0.033	0.084	0.143
		26.09.2023		Post	6.7	7.76	2.6	24	381	5.38	274	58	06	120	78	0.161	0.186	0.028	0.183	0.196	0.298
7	Trichy	15.09.2023	Manachanallur - Nochiyan Kollidam River	Pre	6.5	7.65	04	32	547	5.26	394	120	14	152	78	0.035	0.076	<0.010	0.037	0.119	0.112
		22.09.2023		During	6.3	7.51	06	40	531	6.86	398	68	10	102	74	0.056	0.094	0.019	0.054	0.149	0.239
		27.09.2023		Post	6.0	8.62	7.2	48	527	8.17	388	72	08	168	128	0.086	0.139	0.023	0.147	0.205	0.267
8	Trichy	15.09.2023	Vathalai - Thudaiyur Kollidam River	Pre	6.9	7.60	04	32	472	4.26	348	65	16	126	72	0.042	0.142	<0.010	0.051	0.126	0.109
		22.09.2023		During	6.5	7.62	7.6	40	420	7.25	308	52	06	126	64	0.056	0.196	0.014	0.070	0.139	0.210
		27.09.2023		Post	6.0	7.63	2.8	24	443	4.28	312	84	06	128	78	0.090	0.234	0.019	0.145	0.335	0.316
9	Trichy	15.09.2023	Vathalai - Cauvery River	Pre	6.7	7.55	2.8	24	369	4.29	276	58	20	118	88	0.024	0.064	<0.010	0.017	0.016	0.237
		20.09.2023		During	6.5	7.51	08	40	409	11.12	292	60	10	92	68	0.033	0.081	0.014	0.031	0.021	0.316
		27.09.2023		Post	6.1	7.92	03	24	394	5.16	286	36	08	106	98	0.042	0.096	0.014	0.143	0.025	0.348
10	Trichy	15.09.2023	Musiri - parisalkhurai - Cauvery River	Pre	8.7	7.60	<2	16	437	5.23	316	72	20	102	84	0.025	0.069	<0.010	0.055	0.021	0.169
		22.09.2023		During	6.6	7.71	04	32	806	7.18	584	135	10	182	74	0.038	0.091	0.019	0.063	0.039	0.231
		27.09.2023		Post	6.4	8.32	2.8	24	489	4.53	358	59	08	148	120	0.058	0.296	0.023	0.147	0.069	0.365

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-flood immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals In mg/l					
																Cadmium m	Copper	Chromium	Manganese	Lead	Zinc
11	Trichy	22.09.2023	Thottiyam - Thirungomalai-Cauvery river	Pre	7.3	7.54	2.9	24	371	4.29	268	60	14	94	66	0.040	0.076	<0.010	0.031	0.052	0.179
				During	6.9	7.12	3.2	24	465	6.67	338	65	10	124	30	0.061	0.091	0.014	0.040	0.059	0.215
				Post	6.3	7.89	4.4	32	491	3.25	352	50	04	140	82	0.094	0.163	0.028	0.150	0.086	0.169
12	Trichy	27.09.2023	Kattuputhur - Cauvery River	Pre	8.9	7.60	<2	16	366	6.21	258	58	18	108	64	0.058	0.131	<0.010	0.061	0.033	0.083
				During	7.3	7.21	2.6	16	415	6.93	298	54	08	116	36	0.078	0.163	0.014	0.089	0.044	0.169
				Post	6.7	7.59	3.6	24	457	3.98	330	60	04	132	72	0.096	0.198	0.019	0.141	0.093	0.268
13	Trichy	22.09.2023	Uppiliyapuram-Puliyancholai River	Pre	7.7	7.180	<2	08	85	4.59	62	13	12	42	06	<0.0008	<0.0015	<0.010	0.010	<0.015	<0.0015
				During	7.3	6.92	<2	08	79	5.2	56	14	04	28	14	0.010	0.010	<0.010	0.012	<0.015	<0.0015
				Post	6.9	8.34	02	16	434	1.90	312	55	02	118	120	0.048	0.030	<0.010	0.140	<0.015	0.067
14	Trichy	27.09.2023	Mahachanallur - Pullambadi Vaalkkal	Pre	7.0	7.61	2.2	16	374	7.59	270	56	20	96	68	0.015	0.073	<0.010	0.033	<0.015	0.068
				During	6.9	7.55	04	32	440	11.56	320	60	08	128	76	0.023	0.101	0.014	0.051	0.016	0.103
				Post	6.2	8.21	03	24	408	3.76	296	49	04	142	118	0.045	0.168	0.019	0.136	0.086	0.367
15	Trichy	20.09.2023	River Cauvery at Vengur	Pre	7.4	7.26	<2	16	372	6.86	264	64	12	106	68	<0.0008	0.073	<0.010	0.021	<0.015	<0.0015
				During	7.2	8.20	2.2	16	416	5.89	308	55	04	118	106	0.009	0.078	<0.010	0.029	<0.015	0.044
				Post	6.9	7.56	2.6	24	445	4.63	322	65	04	136	82	0.045	0.105	0.014	0.203	0.240	0.069

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium m	Copper	Chromium	Manganese	Lead	Zinc
16	Trichy	15.09.2023	River Cauvery at Sarkarapalayam	Pre	7.2	7.41	2.7	24	390	7.04	272	70	14	112	72	<0.0008	0.081	<0.010	0.027	<0.015	0.009
		20.09.2023		During	7.0	7.61	2.6	24	1632	5.76	1236	215	04	280	94	0.011	0.094	<0.010	0.036	<0.015	0.056
		26.09.2023		Post	6.7	7.60	2.8	24	495	3.40	358	73	02	146	92	0.023	0.120	0.014	0.211	0.235	0.095
		15.09.2023		Pre	7.3	7.68	3.8	32	541	7.80	396	86	16	160	86	<0.0008	0.097	<0.010	0.033	<0.015	<0.0015
17	Trichy	20.09.2023	River Kollidam at Anbil	During	7.1	7.80	6.3	48	590	6.20	436	90	08	110	98	0.010	0.106	<0.010	0.040	<0.015	0.051
		26.09.2023		Post	6.5	7.40	4.8	32	666	5.16	490	80	06	152	80	0.029	0.196	0.014	0.215	0.236	0.072
		15.09.2023		Pre	7.1	7.55	2.7	24	639	7.59	474	94	16	136	68	<0.0008	0.042	<0.010	0.013	<0.015	0.086
		21.09.2023		During	7.0	7.56	2.3	24	634	8.46	468	84	12	140	72	0.011	0.110	<0.010	0.041	<0.015	0.193
18	Trichy	26.09.2023	River Kollidam at Senkaraiyur	Post	6.7	7.78	3.6	32	589	5.16	438	81	06	166	78	0.023	0.180	0.014	0.198	0.254	0.231
		15.09.2023		Pre	7.6	7.61	2.6	24	411	7.26	290	70	20	128	76	<0.0008	0.028	<0.010	0.019	0.015	0.078
19	Trichy	21.09.2023	Pullambadi Vaikkal	During	7.3	7.62	2.1	16	438	8.12	318	60	08	126	76	0.016	0.053	0.014	0.052	<0.015	0.053
		26.09.2023		Post	6.8	7.81	4.2	32	519	11.26	398	80	10	162	84	0.058	0.118	0.014	0.204	0.259	0.156
		15.09.2023		Pre	7.8	7.56	<2	16	366	6.26	258	72	14	94	74	<0.0008	0.021	<0.010	0.011	<0.015	0.109
		21.09.2023		During	7.4	7.53	2.5	24	604	8.31	436	78	10	138	74	0.010	0.069	<0.010	0.038	<0.015	0.106
20	Trichy	26.09.2023	Punjai Sangenthi Pullambadi Vaikkal	Post	6.4	7.75	3.2	24	498	8.11	362	83	08	146	80	0.067	0.099	0.014	0.193	0.268	0.133

Analysis results (Physico-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium m	Copper	Chromium um	Manganese	Lead	Zinc
21	Trichy	15.09.2023	Punjai Sanganthi Lake at Pullampadi Vaikkal	Pre	7.7	7.41	3.2	24	596	7.85	436	102	18	152	62	0.017	0.160	<0.010	0.054	<0.015	0.086
		21.09.2023		During	6.9	7.82	5.6	40	604	13.8	446	70	14	152	38	0.021	0.216	0.014	0.069	<0.015	0.103
		26.09.2023		Post	6.4	7.65	4.6	32	581	12.18	436	66	14	166	86	0.070	0.460	0.019	0.198	0.284	0.108
22	Trichy	15.09.2023	Kollidam River at Idaiyatunangala m	Pre	7.2	7.60	3.6	24	580	7.14	416	82	20	148	70	0.009	0.126	<0.010	0.061	<0.015	0.099
		21.09.2023		During	7.1	7.60	0.4	32	420	7.30	296	66	10	98	96	0.016	0.096	0.019	0.073	<0.015	0.101
		26.09.2023		Post	6.6	7.55	3.2	24	550	4.12	398	63	0.4	154	80	0.076	0.199	0.023	0.190	0.277	0.176
23	Trichy	15.09.2023	Mamundi River at Pothamettupatti Manapparai	Pre	7.5	7.48	5.6	40	1600	11.46	1124	324	32	380	78	0.041	0.219	<0.010	0.080	<0.015	0.198
		21.09.2023		During	7.0	7.54	7.2	48	734	8.25	518	72	10	164	82	0.051	0.253	0.023	0.091	<0.015	0.234
		26.09.2023		Post	6.5	7.45	6.4	40	1233	8.16	890	250	0.8	328	78	0.068	0.458	0.028	0.199	0.306	0.281
24	Trichy	15.09.2023	Ponnaiyar Dam at Valiyampatti	Pre	7.2	7.56	10	56	442	18.7	318	70	48	140	66	<0.0008	0.136	<0.010	0.011	0.015	0.369
		21.09.2023		During	7.0	7.59	0.8	40	396	22.7	284	65	20	104	80	0.016	0.152	0.019	0.029	0.018	0.569
		26.09.2023		Post	6.5	7.60	6.4	40	448	18.56	322	70	22	134	86	0.092	0.342	0.023	0.610	0.905	0.668
25	Trichy	15.09.2023	Edaiyapatti Pond at Puthanatham	Pre	7.6	7.52	8.0	40	786	13.3	568	164	20	182	64	<0.0008	0.147	<0.010	0.015	0.021	0.468
		21.09.2023		During	7.2	7.64	0.5	32	440	12.31	324	70	18	102	94	0.021	0.163	0.023	0.049	0.031	0.661
		26.09.2023		Post	6.7	7.56	7.6	48	1647	28.56	1228	400	30	268	92	0.131	0.186	0.028	0.886	0.350	0.697

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium m	Copper	Chromium um	Manganese	Lead	Zinc
26	Trichy	15.09.2023	Valanadu - Valanadu Village Pond	Pre	7.4	7.16	<2	16	254	12.8	184	56	36	72	32	<0.0008	<0.0015	<0.010	0.010	0.015	0.137
		21.09.2023		During	6.8	7.80	2.7	24	324	2.21	228	50	04	108	84	0.010	0.053	<0.010	0.024	0.021	0.246
		26.09.2023		Post	6.6	7.76	2.5	24	374	3.21	270	27	06	104	72	0.275	0.574	0.019	0.759	1.139	0.684
27	Trichy	20.09.2023	Sri rangam - Cauvery river	Pre	7.6	7.66	4.0	32	408	4.16	296	70	12	102	74	<0.0008	0.056	<0.010	0.023	<0.015	0.077
		20.09.2023		During	7.4	7.48	08	56	435	8.48	312	56	06	114	54	0.012	0.093	<0.010	0.018	0.018	0.117
		26.09.2023		Post	6.9	7.68	3.2	24	447	4.16	320	45	04	146	84	0.046	0.102	0.014	0.210	0.228	0.269
28	Thanjavur	13.09.2023	River Vadavur at Karanthi	Pre	6.5	7.50	2.8	32	564	8.12	416	66	24	158	46	<0.0008	0.055	<0.010	0.011	0.087	0.067
		20.09.2023		During	6.3	7.61	06	40	664	10.82	496	62	14	136	98	0.025	0.096	0.014	0.024	0.094	0.188
		25.09.2023		Post	5.5	7.28	5.6	40	509	14.19	364	67	10	108	54	0.031	0.103	0.014	0.048	0.120	0.220
29	Thanjavur	13.09.2023	River Cauvery at Thiruvalvaru	Pre	7.8	7.58	2.1	24	379	4.48	274	42	12	128	62	<0.0008	0.036	<0.010	0.013	0.058	0.074
		22.09.2023		During	7.2	7.51	2.8	24	481	7.11	346	68	08	126	58	0.016	0.058	0.014	0.028	0.073	0.179
		25.09.2023		Post	6.5	7.10	2.8	16	434	14.36	316	54	12	96	18	0.028	0.063	0.019	0.131	0.114	0.245
30	Thanjavur	14.09.2023	Bay of Bengal at Mallipattinam	Pre	6.7	8.52	18.9	*	44600	12.06	30600	14995	84	11600	152	0.126	0.123	0.014	0.061	0.088	0.152
		20.09.2023		During	6.5	8.50	18	*	46530	43.31	32846	15496	124	10600	186	0.134	0.184	0.019	0.079	0.091	0.236
		25.09.2023		Post	6.1	8.38	16.4	*	38600	14.13	27820	12996	18	11600	256	0.180	0.234	0.023	0.131	0.534	0.446

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ Durlng/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals In mg/l					
																Cadmium m	Copper	Chromi um	Mangan ese	Lead	Zinc
31	Thanjavur	14.09.2023	River Veera Cholan at Aduthurai	Pre	6.5	7.74	2.8	32	405	6.34	292	32	20	152	76	0.006	0.099	<0.010	0.008	0.084	0.096
				Durlng	6.4	7.46	03	24	406	10.21	298	55	12	102	86	0.026	0.103	0.014	0.021	0.091	0.196
				Post	5.2	7.40	06	40	1045	13.89	786	100	16	168	58	0.036	0.172	0.019	0.083	0.094	0.237
32	Thanjavur	14.09.2023	River Cauvery at Kumbakonam	Pre	6.1	7.82	2.3	24	395	7.19	288	56	20	140	78	0.012	0.051	<0.010	0.013	0.029	0.090
				Durlng	6.0	7.56	7.8	64	383	11.46	286	50	14	136	68	0.026	0.063	0.014	0.023	0.031	0.169
				Post	5.4	7.08	8.6	72	409	12.38	312	51	10	96	42	0.084	0.077	0.014	0.080	0.035	0.173
33	Pudukkottai	15.09.2023	Aranthangi Veeramakali amman Kulam	Pre	6.6	7.08	8.0	40	625	11.27	498	98	20	198	50	0.015	0.092	0.014	0.018	0.087	0.102
				Durlng	6.4	7.95	08	56	694	13.36	514	72	14	152	98	0.026	0.108	0.019	0.028	0.103	0.210
				Post	5.8	8.19	10	64	760	15.12	646	100	16	154	122	0.034	0.128	0.023	0.039	0.128	0.269
34	Pudukkottai	15.09.2023	Panangulam thenku Udaiyarpuram Corani	Pre	6.9	7.64	10	72	1100	12.16	782	104	74	204	82	0.074	0.628	0.023	0.190	0.491	0.833
				Durlng	6.5	7.61	12	64	1142	7.24	826	186	26	156	56	0.081	0.721	0.028	0.210	0.596	0.913
				Post	6.0	7.91	14	72	1286	20.8	930	248	22	218	94	0.102	0.736	0.032	0.235	0.798	0.986
35	Pudukkottai	15.09.2023	Kulamangalam Periyakulam	Pre	6.7	7.36	<2	16	241	5.36	176	68	10	72	48	0.120	0.719	<0.010	0.313	0.639	0.934
				Durlng	6.4	6.57	<2	16	103	2.48	74	20	02	48	20	0.131	0.798	0.014	0.416	0.681	1.036
				Post	5.9	6.81	2.8	24	163	2.94	120	24	02	48	12	0.146	0.816	0.019	0.448	0.786	0.132

Analysis results (Physico-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium m	Copper	Chromium	Manganese	Lead	Zinc
36	Pudukkottai	15.09.2023	Pulichangadu Pulichangadu Kulam	Pre	6.5	7.51	2.4	24	584	8.19	432	132	24	180	84	0.031	0.513	<0.010	0.015	0.206	0.120
				During	6.3	7.86	3.2	24	545	11.32	394	98	16	124	86	0.051	0.619	0.019	0.029	0.248	0.326
				Post	5.8	8.21	0.4	32	587	15.91	418	115	18	158	118	0.057	0.624	0.023	0.137	0.256	0.356
37	Pudukkottai	15.09.2023	Pulichankadu Kaikatti Anavayal Mookarai pillaiyar Kovil Oorani	Pre	6.8	7.59	2.8	32	736	4.36	526	166	22	196	76	0.035	0.146	<0.010	0.021	0.183	0.116
				During	6.4	7.65	7.6	40	756	6.18	548	126	10	160	66	0.046	0.183	0.019	0.053	0.198	0.219
				Post	6.1	8.12	8.4	56	789	14.3	568	136	16	168	120	0.058	0.206	0.019	0.118	0.209	0.239
38	Pudukkottai	16.09.2023	Alangudi-Chettikulam	Pre	7.1	7.62	10	56	1372	7.64	998	260	18	272	78	0.021	0.078	0.014	0.031	0.019	0.286
				During	6.4	7.50	12	72	1442	8.42	1018	220	08	252	54	0.033	0.098	0.019	0.036	0.040	0.369
				Post	6.0	7.82	14	80	1496	8.68	1080	360	12	268	84	0.054	0.104	0.023	0.106	0.044	0.374
39	Pudukkottai	16.09.2023	Thiruvareankulam Theppakulam	Pre	7.0	7.55	08	40	892	13.21	642	185	28	186	74	0.011	0.080	<0.010	0.027	0.013	0.190
				During	6.6	7.40	15	80	883	12.86	658	182	16	150	96	0.027	0.088	0.023	0.039	0.044	0.298
				Post	6.2	7.51	18	88	960	16.2	692	175	14	174	98	0.038	0.108	0.023	0.092	0.056	0.306
40	Pudukkottai	16.09.2023	Pudukkottai-Pudukulam	Pre	7.3	7.36	04	32	764	15.28	546	164	18	178	52	0.013	0.079	<0.010	0.016	0.023	0.184
				During	6.7	7.53	08	56	724	14.08	516	135	14	180	70	0.018	0.133	0.014	0.033	0.054	0.290
				Post	5.9	7.51	9.6	64	745	14.88	538	105	16	148	56	0.026	0.163	0.019	0.044	0.069	0.393



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : Trichy

Sl. No.	Sampling Location in Trichy Jurisdiction	Date of sampling	Type of water body	Pre/ During/ Post	DO (mg/L)	pH	BOD (mg/L)	COD	Conductivity	Turbidity	TDS	Chloride	TSS	Total Hardness	Total Alkalinity	Heavy Metals in mg/l					
																Cadmium m	Copper	Chromium	Manganese	Lead	Zinc
41	Pudukkottai	16.09.2023	Ponnannaravathi-Pon putthupatti Sengal Oorani	Pre	7.1	7.48	03	24	628	10.26	466	106	16	170	44	0.010	0.061	<0.010	0.015	<0.015	0.113
		20.09.2023		During	6.9	7.60	07	40	658	12.36	480	76	16	138	78	0.018	0.091	0.019	0.028	0.023	0.216
		26.09.2023		Post	6.0	7.52	6.8	40	701	6.77	526	100	08	122	52	0.336	0.095	0.019	0.045	0.037	0.076
42	Pudukkottai	16.09.2023	Karambakkudi-Agnyiaru(Near Thirumanjeri Road,Agnyiar river bridge)	Pre	7.0	8.21	14	88	1500	10.41	1098	288	52	340	152	0.051	0.224	<0.010	0.064	0.044	0.416
		22.09.2023		During	6.6	8.51	18	96	4632	24.8	3416	450	26	860	156	0.081	0.297	0.023	0.079	0.061	0.597
		26.09.2023		Post	5.8	8.32	18	112	1515	22.08	1098	290	24	230	128	0.090	0.174	0.023	0.135	0.081	0.698
43	Pudukkottai	16.09.2023	Kamnanngadu-Mootha Coorani	Pre	7.0	7.63	08	48	1400	9.27	1036	242	46	368	98	0.021	0.163	<0.010	0.042	<0.015	0.097
		21.09.2023		During	6.8	7.82	16	96	1561	15.18	1138	224	24	360	98	0.037	0.316	0.023	0.049	0.041	0.236
				Post	6.0	7.81	08	56	1647	16.23	1288	360	20	262	70	0.049	0.099	0.023	0.064	0.034	0.246
44	Ariyalur	12.09.2023	Annalkarai Kolldam River	Pre	7.8	7.53	2.6	32	575	5.16	426	72	18	146	58	0.0008	0.063	<0.010	0.019	0.043	0.062
		20.09.2023		During	7.6	7.86	2.2	16	630	10.16	464	80	14	142	98	0.014	0.106	0.014	0.026	0.019	0.139
		26.09.2023		Post	7.0	7.60	4.6	32	661	12.16	468	115	14	160	82	0.022	0.138	0.019	0.094	0.033	0.169
45	Ariyalur	13.09.2023	Thirumanur Kolldam River	Pre	08	7.51	2.2	24	586	6.10	432	72	20	136	78	<0.0008	0.060	<0.010	<0.018	0.044	0.058
		20.09.2023		During	7.2	7.73	08	40	540	11.29	394	76	08	132	86	0.013	0.084	0.014	0.026	0.051	0.078
		26.09.2023		Post	6.9	7.82	9.2	48	587	12.98	428	90	10	164	98	0.017	0.109	0.019	0.100	0.630	0.143

INFERENCE: There is no marked difference in the sampled location over the Trichy sighth, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol. However negligible changes in Heavy metal contents is visible.

*[Signature]*  
30/10/23  
ES  
P. S. Sankar

*[Signature]*  
11/10/2023  
DCSO (A.R.P.)

DEPUTY DIRECTOR (L)  
Tamilnadu Pollution Control  
DD (Lab) 76, Mooli Salai, Guinir  
Chennai-600 032.

**Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023**

District :  
Chengalpattu

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals in mg/L									
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc						
1	Palkkai Nagari	14.09.2023	Sea water	Pre	Colorless	5.9	7.9	3	*	53800	<0.1	28847	13021	6	6000	80	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014						
		24.09.2023		During	Colorless	6.4	7.82	4	*	52100	<1.0	34802	20428	6	6250	90	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1						
		29.09.2023		Post	Colorless	7.9	7.55	2	*	52500	<1.0	52500	12715	12	6200	84	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1						
2	Neelankaral	14.09.2023	Sea water	Pre	Colorless	6.2	7.8	3	*	53700	<0.1	26076	14196	6	6500	88	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014						
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
				Post	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
3	Kovalam Beach	14.09.2023	Sea water	Pre	Colorless	5.9	8	3	*	52400	<0.1	28653	13396	6	6600	76	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014						
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
				Post	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
4	Mammallapuram Beach	14.09.2023	Sea water	Pre	Colorless	7.2	8.2	2	*	54600	<0.1	27270	14046	4	6400	88	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014						
		24.09.2023		During	Colorless	6.8	7.76	4	*	52300	<1.0	35760	20636	6	7000	100	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1						
		29.09.2023		Post	Colorless	7.1	7.92	3*	*	51200	<1.0	33382	12298	10	6700	92	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1						

No Immersion

No Immersion

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : Chengalpattu

S.No	Sampling Location	Date of sampling	Type of water body	General Parameters													Heavy Metals in mg/L					
				Pre/ Post immersion sampling	Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc
5	Kadalurku ppam beach	14.09.2023	Sea water	Pre	Colorless	7.1	8.2	2	*	52100	<0.1	29418	12846	4	6200	76	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Sathurang apathnam beach	14.09.2023	Sea water	Pre	Colorless	7.5	8.2	2	*	51800	<0.1	28714	14745	5	6100	76	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Vadapattinam Beach	14.09.2023	Sea water	Pre	Colorless	7	8.2	2	*	54000	<0.1	25938	13746	4	6200	76	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	6.2	7.91	5	*	52500	<1.0	35314	20948	8	6200	80	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1
				Post	Colorless	6.9	7.79	2	*	45600	<1.0	29822	11047	10	6400	79	<0.1	<0.2	<0.05	<0.01	<0.5	<0.1
8	Paramank enni Beach	14.09.2023	Sea water	Pre	Colorless	6.9	8.1	2	*	54000	<0.1	30280	13996	6	6200	68	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Thazhutha likuppam beach	14.09.2023	Sea water	Pre	Colorless	6.8	8.2	2	*	52000	<0.1	24800	12946	4	6300	72	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Alamparai kuppam Beach	14.09.2023	Sea water	Pre	Colorless	7.5	8.24	2	*	53000	<0.1	26990	11996	4	6200	80	<0.008	<0.0015	<0.003	<0.01	<0.015	<0.014
				During	Colorless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

INFERENCE: There is no marked difference in the sampled location over the Chengalpattu sight with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Signature]*  
14/09/23  
ES

*[Signature]*  
14/09/23  
DCSO (CA/100)

DEPUTY DIRECTOR  
Tamil Nadu Pollution Control Board  
*[Signature]*  
DD (Lab) s/c  
Chengalpattu-605 002

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh Chaturthi - 2023

District: THIRUVALLUR

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters												Heavy Metals in mg/l				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc
7	GANDHI ROAD FARM	15.09.2023	Canal	Pre	6.2	7.77	3	32	692	<1	388	162	12	115	260	<0.013	<0.033	<0.05	<0.02	<0.07	0.626
		27.09.2023	Canal	Post	5.5	7.51	5	40	826	<1	502	142	16	156	150	0.428	0.728	<0.05	0.337	0.362	0.841
8	VANNANKULAV	15.09.2023	Canal	Pre	6.2	7.32	3	24	127	<1	74	18	16	40	90	<0.013	<0.033	<0.05	<0.02	<0.07	<0.01
		27.09.2023	Canal	Post	6.0	7.44	3	32	144	<1	86	40	18	46	80	<0.013	0.163	<0.05	<0.02	<0.07	0.912
9	KARAZHEDU KULAV	15.09.2023	Canal	Pre	5.6	8.76	7	64	1038	1.4	702	145	26	180	300	<0.013	0.612	<0.05	<0.02	<0.07	0.596
		27.09.2023	Canal	Post	4.2	8.64	9	88	1241	2.1	812	165	30	220	260	0.528	0.782	<0.05	0.342	0.341	0.986
10	PANDARAVI DEKULAV	13.09.2023	Canal	Pre	6.5	8.33	5	40	1334	<1	840	245	14	240	310	<0.013	0.639	<0.05	<0.02	<0.07	0.836
		27.09.2023	Canal	Post	6.1	8.59	6	48	1603	<1	1012	365	16	280	250	0.372	0.824	<0.05	0.165	0.696	0.959
11	PARASAKKI NAGAR KULAV	15.09.2023	Canal	Pre	6.8	7.99	3	24	597	<1	382	82	12	78	160	<0.013	<0.033	<0.05	<0.02	<0.07	<0.01
		27.09.2023	Canal	Post	6.2	8.61	4	40	697	<1	404	126	16	130	180	0.528	0.652	<0.05	0.104	0.201	0.842
12	KANAKKAM CHATHIRAM KULAV	15.09.2023	Canal	Pre	5.6	7.18	5	48	875	2.3	734	138	36	160	250	<0.013	<0.033	<0.05	<0.02	<0.07	0.096
		27.09.2023	Canal	Post	5.1	7.72	6	56	880	2.6	762	164	40	168	160	0.324	0.748	<0.05	0.281	0.492	0.878
13	KAKKALUR LAKE	15.09.2023	Lake	Pre	5.0	6.72	18	176	1175	4.1	808	225	54	230	300	<0.013	0.095	<0.05	<0.02	<0.07	0.371
		27.09.2023	Lake	Post	4.2	7.55	38	272	1965	6.2	1114	290	62	240	220	0.351	0.628	<0.05	0.272	0.098	0.568

INFERENCE: There is no marked difference in the sampled location over the Tiruvallur silt, with reference to Pre-immersion and Post Immersion. That indicates pollution due to immersion of idol.

*[Signature]*  
20/09/23  
ES  
Asst. Analyst

*[Signature]*  
DESO (Analyst)

DD (Asst) S/c

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Satai, Guindy,  
Chennai-600 032.

*[Signature]*  
20/09/23

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023  
District : GUMMUDIPOONDI

S.No	Sampling Location	Date of sampling	Type of water body	Pre/Post Immersion sampling	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Heavy Metals (mg/L)				
																		Chromium Total	Manganese	Lead	Zinc	
1	EZHUKAN PALAM	19.09.2023	River	Pre	6.1	7.48	5	48	533	1.2	362	90	26	72	130	<0.013	0.078	<0.05	<0.02	<0.07	0.068	
		24.09.2023		During	6.0	8.40	6	56	657	1.2	408	100	24	160	140	<0.013	0.092	<0.05	0.348	<0.07	0.072	
		25.09.2023		Post	5.5	8.23	8	72	687	2.8	432	104	30	180	170	<0.013	0.124	<0.05	0.512	0.262	0.248	
2	KOSASTHA LAIYAR RIVER-UNTREATD	19.09.2023	River	Pre	5.8	7.30	4	40	34500	1.1	21202	11062	16	4400	150	0.552	0.162	<0.05	0.098	<0.07	0.312	
		24.09.2023		During	5.5	7.83	5	48	33800	<1	20962	10964	14	4600	140	0.558	0.168	<0.05	0.168	0.469	0.326	
		25.09.2023		Post	5.1	7.70	6	56	36100	1.6	22626	12018	18	4800	150	0.667	0.509	<0.05	0.214	0.596	0.827	
3	KATTUPALAI SEA SHORE-UNTREATD	19.09.2023	Sea water	Pre	6.6	7.95	3	32	51300	<1	32164	17997	12	8000	150	0.056	0.178	<0.05	<0.02	<0.07	0.592	
		24.09.2023		During	6.4	8.16	3	32	51600	<1	32618	17993	16	6900	140	0.689	0.182	<0.05	0.348	0.362	0.768	
		25.09.2023		Post	6.0	8.31	5	48	51600	1.1	32904	18112	18	7300	150	0.929	0.459	<0.05	0.526	0.827	0.828	
4	PILKAI SEA SHORE-UNTREATD	19.09.2023	Sea water	Pre	5.8	8.12	3	32	51700	<1	32128	17632	12	7000	130	0.116	0.168	<0.05	0.102	<0.07	0.362	
		24.09.2023		During	5.5	8.19	5	48	51900	1.1	32614	17808	16	6800	140	0.227	0.227	<0.05	0.342	0.121	0.489	
		25.09.2023		Post	4.9	8.78	6	56	51700	1.4	31918	18016	20	9100	130	0.401	0.738	<0.05	0.398	0.292	0.539	
5	NAPALAYAM BRIDGE (B-CANAL)-UNTREATD	19.09.2023	River	Pre	6.2	8.86	4	40	3450	1.1	2144	950	16	510	220	<0.013	0.198	<0.05	<0.02	<0.07	0.098	
		24.09.2023		During	6.0	8.37	5	48	3570	1.4	2264	1012	18	540	220	<0.013	0.207	<0.05	0.268	<0.07	0.112	
		25.09.2023		Post	5.5	8.36	6	56	3650	1.8	2312	1418	20	700	200	0.327	0.376	<0.05	0.312	0.559	0.372	

INFERENCE: There is no marked difference in the sampled location over the Gummudiipoondi sighth with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol

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30/9/23  
ES  
perparker

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30/9/23  
DDSO (Ch.P.W.)

DEPUTY DIRECTOR (L)  
Gummidipoondi Pollution Control  
76, Mount Satali, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State Monitored during Pre and Post Idol Immersion activity during Ganesh Chaturthi - 2023

District : Namakkal

SL. No	Sampling Location in Tirunelveli	Date of sampling	Type of water body	Immersion Sampling	General Parameters														Heavy Metals, mg/L						Microbiology, MPN/100ml	
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml			
1	Cauvery River- Pallipalayam Bridge	14/09/23	River	Pre	6.1	7.88	<2	16	370	0.64	216	36	4	140	104	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.3	17			
		20/09/23		During	4.5	7.61	2.7	32	420	0.72	264	42	8	160	124	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	33			
		25/09/23		Post	5.7	7.91	<2	24	407	0.84	248	42	8	160	112	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	32			
2	Eranganamgottam Vinnagar Temple near the river	14/09/23	River	Pre	5.8	7.4	<2	16	356	0.34	256	40	4	170	128	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	32			
		20/09/23		During	5	7.37	2.4	24	400	0.67	288	46	8	170	132	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	27			
		26/09/23		Post	5.6	7.72	<2	24	393	0.79	272	44	8	150	128	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.3	32			
3	Vedar near Kastiswarthar Temple	14/09/23	River	Pre	6.2	7.45	<2	16	389	0.72	268	40	4	190	132	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.3	32			
		22/09/23		During	5.6	8.29	<2	24	510	0.91	372	40	8	170	124	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	47			
		25/09/23		Post	6	8.33	<2	24	456	0.9	316	40	8	160	132	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	32			
4	Mokanur - Near Sivam Temple	15/09/23	River	Pre	6.4	7.5	<2	16	362	2.46	276	56	4	150	140	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	34			
		20/09/23		During	5.9	8.44	<2	32	535	0.49	352	72	12	200	156	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	47			
		26/09/23		Post	6.2	7.88	<2	24	1118	0.94	636	180	8	280	220	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	14			

INFERENCE: There is no marked difference in the sampled location over the Namakkal sight, with reference to Preimmersion and Post Immersion that, indicates pollution due to immersion of idol.

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30/10/23  
ES  
Prayaska, K

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30/10/23  
D. S. S. (A. R. B.)

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DD (Lab) etc

DEPUTY DIRECTOR (L)  
Tamilnadu Pollution Control  
76, Mount Salai, Guindy  
Chennai-600 032.

Analysis results (Physico-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post- tidal immersion activity during Ganesh Chaturthi - 2023

District: THIRUVALLUR

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters													Heavy Metals in mg/L				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	
1	MSR NAGAR TANK PUTHUR (AKH)	15/09/2023	Lake	Pre	5.6	7.5	4	40	1194	1.6	718	190	24	270	330	0.198	0.349	<0.05	0.212	<0.07	0.512	
		27/09/2023		Post	5.2	7.38	5	48	1203	2.1	764	205	32	360	320	0.291	0.542	<0.05	0.342	0.396	0.728	
2	COOVAN ENI	15/09/2023	Lake	Pre	5.5	7.57	5	48	742	1.2	436	132	14	128	190	0.278	0.571	<0.05	0.162	<0.07	0.271	
		27/09/2023		Post	4.9	8.13	6	56	854	1.8	502	178	16	156	150	0.462	0.682	<0.05	0.312	0.792	0.381	
3	TIRUVAZHISAI TANK	15/09/2023	Tank	Pre	5.6	7.75	3	32	1178	1.4	692	180	22	280	300	0.267	0.659	<0.05	0.192	<0.07	0.529	
		27/09/2023		Post	5.4	8.39	5	48	1561	1.6	908	270	26	286	360	0.398	0.716	<0.05	0.262	0.482	0.632	
4	THURUTHAI TANK	15/09/2023	Tank	Pre	6.1	7.86	5	48	755	<1	466	116	14	104	230	0.228	0.592	<0.05	0.142	<0.07	0.345	
		27/09/2023		Post	5.9	7.10	6	56	804	<1	512	188	16	196	170	0.398	0.718	<0.05	0.248	0.572	0.462	
5	CHITTEI	15/09/2023	Lake	Pre	6.8	7.45	4	40	743	1.2	462	114	26	100	230	0.462	0.791	<0.05	0.192	<0.07	0.672	
		27/09/2023		Post	6.4	7.61	5	48	825	1.6	532	178	28	152	170	0.592	0.892	<0.05	0.376	0.621	0.782	
6	KUSASTHALI RIVER	15/09/2023	River	Pre	5.5	7.87	5	48	941	<1	562	120	16	125	220	<0.013	0.692	<0.05	0.162	<0.07	0.579	
		27/09/2023		Post	5.1	7.77	6	56	1086	1.2	604	160	18	136	130	0.212	0.812	<0.05	0.292	0.368	0.672	

Analysis results (Physio-Chemical and Bacteriological Para- meter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023 District : VILLUPURAM

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals, mg/L					
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmhos/cm)	Turbidity (NTU)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)			
1	Kannak Dam	16.09.2023	Inland Surface water	Pre	5.3	8.62	3.2	32	466	10	288	25	14	155	160	<0.0008	0.076	<0.01	<0.1	0.021	0.038			
		20.09.2023		5.6	8.3	3.1	40	410	25	246	103	16	160	166	<0.0008	0.078	<0.01	<0.1	0.029	0.056				
		22.09.2023		5.6	8.26	3	40	439	14	260	110	18	175	162	<0.0008	0.074	<0.01	<0.1	0.024	0.043				
2	Sankarapur ari	16.09.2023	Inland Surface water	Pre	5.7	8.4	3.3	32	519	5.9	312	145	12	220	162	<0.0008	0.098	<0.01	<0.1	0.029	0.067			
		20.09.2023		5.6	7.49	3.4	48	398	14.7	232	100	16	230	168	<0.0008	0.102	<0.01	<0.1	0.041	0.081				
		22.09.2023		5.7	8.2	3.6	40	542	8	326	136	22	240	164	<0.0008	0.099	<0.01	<0.1	0.033	0.063				
3	Kozhavur Lake	16.09.2023	Inland Surface water	Pre	5.5	8.29	3.8	40	190	24.5	124	47	14	85	58	<0.0008	0.081	<0.01	<0.1	0.031	0.041			
		20.09.2023		5.4	7.5	3.9	48	186	19.8	118	46	16	90	80	<0.0008	0.085	<0.01	<0.1	0.029	0.085				
		22.09.2023		5.6	7.99	3.8	40	244	15.6	140	61	18	105	74	<0.0008	0.079	<0.01	<0.1	0.035	0.065				
4	Aranganthurai th	16.09.2023	Inland Surface water	Pre	5.3	7.99	4.6	24	389	2.6	242	98	12	160	94	<0.0008	0.043	<0.01	<0.1	0.024	0.027			
		22.09.2023		5.3	7.94	4.7	32	426	2.2	254	107	14	170	110	<0.0008	0.061	<0.01	<0.1	0.043	0.071				
		20.09.2023		5.4	8.07	4.6	32	432	3.6	260	108	14	185	96	<0.0008	0.054	<0.01	<0.1	0.037	0.056				
5	Keeeranur Lake	16.09.2023	Inland Surface water	Pre	5.3	7.84	4.8	40	1312	21	812	205	16	170	146	<0.0008	0.057	<0.01	<0.1	0.022	0.031			
		20.09.2023		5.4	7.55	4.6	40	858	28.3	524	216	18	185	162	<0.0008	0.071	<0.01	<0.1	0.039	0.086				
		22.09.2023		5.6	7.9	4.7	40	1026	13.5	694	258	22	190	150	<0.0008	0.062	<0.01	<0.1	0.031	0.067				
6	Fritthuv Mangalam	16.09.2023	Inland Surface water	Pre	5.5	8.18	3.5	24	1131	26.6	712	245	12	280	162	<0.0008	0.074	<0.01	<0.1	0.032	0.048			
		20.09.2023		5.7	7.84	3.6	32	1084	80.6	708	273	14	290	174	<0.0008	0.079	<0.01	<0.1	0.044	0.076				
		22.09.2023		5.7	8.01	3.5	24	1152	20	724	290	18	290	168	<0.0008	0.078	<0.01	<0.1	0.039	0.064				



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : VILLUPURAM

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals, mg/L				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmhos/cm)	Turbidity (NTU)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)		
7	Chinnasali m	16.09.2023	Inland Surface Water	Pre	5.6	8.19	4.2	32	1779	6.8	1036	410	14	430	152	<0.0008	0.068	<0.01	<0.1	0.024	0.043		
		20.09.2023		Post	5.2	7.72	4.3	40	1647	6.6	1026	415	16	445	176	<0.0008	0.074	<0.01	<0.1	0.043	0.071		
		22.09.2023		Post	5.6	7.77	4.4	40	1754	5.7	1090	442	18	450	172	<0.0008	0.069	<0.01	<0.1	0.037	0.056		
8	Kaipattikkuppam	15.09.2023	Sea	Pre	5.8	7.96	3	24	51810	21.3	30860	19394	12	6500	118	<0.0008	0.058	<0.01	<0.1	0.024	0.062		
		20.09.2023		Post	5.7	8.03	3.3	32	49070	21.3	30112	18865	16	6500	128	<0.0008	0.063	<0.01	<0.1	0.041	0.093		
		26.09.2023		Post	5.6	8.07	3.2	32	50980	13.5	30564	19846	18	6600	124	<0.0008	0.066	<0.01	<0.1	0.033	0.088		
9	Veedur Dam	15.09.2023	Inland Surface Water	Pre	5.3	8.93	3.3	32	1250	3.1	760	185	14	200	160	<0.0008	0.069	<0.01	<0.1	0.021	0.018		
		20.09.2023		Post	5.3	8.51	3.4	40	936	25.4	648	235	16	220	168	<0.0008	0.077	<0.01	<0.1	0.029	0.047		
		26.09.2023		Post	5.2	8.49	3.2	40	1053	20.1	704	265	18	235	164	<0.0008	0.072	<0.01	<0.1	0.023	0.026		
10	Bommalakuppam	15.09.2023	Sea	Pre	5.3	7.99	3	24	50990	14.4	30260	19200	12	6100	116	<0.0008	0.091	<0.01	<0.1	0.022	0.065		
		20.09.2023		Post	5.4	8	3.3	32	50950	19.3	30714	19839	14	6200	128	<0.0008	0.092	<0.01	<0.1	0.028	0.085		
		26.09.2023		Post	5.5	8.37	3.2	32	51490	12.5	30910	19975	16	6200	122	<0.0008	0.088	<0.01	<0.1	0.026	0.071		
11	Edyarkuppam	15.09.2023	Sea	Pre	5.3	7.92	3.5	24	52050	13.8	31258	18594	14	6000	122	<0.0008	0.064	<0.01	<0.1	0.029	0.031		
		20.09.2023		Post	5.4	8.07	3.6	32	50560	8.4	30428	18741	16	6100	132	<0.0008	0.077	<0.01	<0.1	0.038	0.067		
		26.09.2023		Post	5.4	8.01	3.5	24	50730	4.3	30982	18783	18	6100	120	<0.0008	0.071	<0.01	<0.1	0.03	0.046		

INFERENCE: There is no marked difference in the sampled location over the Villupuram sight, with reference to Pre-immersion and Post Immersion, that indicates pollution due to Immersion of idol.

*[Handwritten Signature]*  
ES  
Physiochemical

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DCCSO (M.K.V.)

DD (Labs) y/c

DEPUTY DIRECTOR (LABS)  
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Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District: COOTY

S.N	Sampling Location	Date of sampling	Type of water body	Pre/Post immersion sampling	General Parameters															Heavy Metals				
					Color/Turbidity (Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc		
1	Poruranki River	26.09.20	River water	Pre	5	6.6	7.02	6	64	216	11.4	132	55	4	48	52	<0.0008	0.03612	<0.05	0.0180	<0.0015	0.0816		
				During	5	6	8.03	8	72	334	23.6	240	68	12	70	68	<0.0008	0.0402	<0.05	0.0191	<0.0015	0.0786		
				Post	5	6.6	7.5	9	72	313	12.8	180	65	8	58	52	<0.0008	0.0610	<0.05	0.0226	<0.0015	0.0881		
2	Injamboti Palace near Gudalur	24.09.20	River water	Pre	5	6.2	7.34	6	56	291	12.8	168	65	6	56	56	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	6	5.9	8.17	7	64	154	55.6	120	30	16	72	32	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				Post	6	6.3	7.12	6	56	133	13.2	80	25	6	58	56	<0.0008	<0.0015	<0.05	0.0060	<0.0015	0.0061		
3	Kannaraja Sagar Dam	21.09.20	River water	Pre	150	6.1	8.53	6	32	330	72.7	194	55	30	72	72	<0.0008	<0.0015	<0.05	<0.001	<0.0015	0.0136		
				During	200	5.8	8.15	8	48	241	44.3	142	60	16	90	64	<0.0008	0.0102	<0.05	<0.001	<0.0015	0.0200		
				Post	156	6	7.4	8	40	300	46.3	172	58	20	68	52	<0.0008	0.0201	<0.05	0.0033	<0.0015	0.0223		
4	Lurality Lalis, Kollegal	27.09.20	Dam water	Pre	5	6.7	8.25	4	24	168	8.1	104	35	8	52	52	<0.0008	<0.0015	<0.05	<0.001	<0.0015	0.019		
				During	50	6.3	7.52	6	32	147	151	90	45	10	80	40	<0.0008	<0.0015	<0.05	<0.001	<0.0015	0.0112		
				Post	10	6.7	6.96	6	40	124	9.2	78	24	8	48	42	<0.0008	0.0035	<0.05	<0.001	<0.0015	0.0266		
5	Laxi Falls, Coonoor	27.09.20	River water	Pre	10	6.8	7.66	8	56	341	7.8	194	65	8	76	76	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				During	5	6.2	8.01	12	64	479	7.7	380	90	4	110	60	<0.0008	<0.0015	<0.05	<0.001	<0.0015	<0.0015		
				Post	10	6.8	6.88	9	72	116	7.9	70	22	10	56	50	<0.0008	0.0060	<0.05	<0.001	<0.0015	0.0101		

INFERENCE: There is no marked difference in the sampled location over the Only sight with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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ES  
pitipokkai, IL

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30/10/23  
DSC6 (A) PWD

DD (Labs) SL



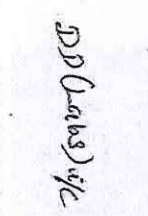
DEPUTY DIRECTOR (LAB)  
Tamilnadu Pollution Control Board  
76, Mount Satal, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameters) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District : THENI

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters													Heavy Metals mg/L				
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Cobalt	Copper	Chromium Total	Manganese	Lead	Zinc
1	Chembur Surrampatti Road.	15.09.2023	River	Pre	6.9	7.15	<2	8	72<1.0	52	10	6	30	12	0.011	0.075	0.088	<0.010	0.049	0.008	0.097	
		19.09.2023	Water	During	7.1	7.03	2	16	118	88	25	8	46	16	0.018	0.082	0.093	<0.010	0.052	0.01	0.012	
		25.09.2023	Sample	Post	6.8	7.05	3	24	134	96	34	10	48	20	0.023	0.008	0.096	<0.010	0.064	0.018	0.016	
2	Utharampuzham	15.09.2023	River	Pre	7.1	7.3	3	16	107	76	15	12	40	16	0.06	0.143	0.044	<0.010	0.063	0.014	0.057	
		19.09.2023	Water	During	7	7.28	4	24	147	104	25	14	60	20	0.072	0.154	0.056	<0.010	0.068	0.018	0.067	
		25.09.2023	Sample	Post	6.7	7.32	4	32	168	122	38	18	64	24	0.083	0.172	0.064	<0.010	0.072	0.023	0.072	
3	Chinnampur	15.09.2023	River	Pre	7	7.43	<2	8	124	84	20	6	40	16	0.033	0.176	0.102	<0.010	0.085	0.081	0.08	
		19.09.2023	Water	During	6.6	7.43	2	16	181	128	40	8	70	20	0.042	0.187	0.123	<0.010	0.088	0.092	0.091	
		25.09.2023	Sample	Post	6.4	7.5	3	24	194	136	46	12	70	28	0.052	0.194	0.132	<0.010	<0.094	0.098	0.096	
4	Kottakudi Boudi	15.09.2023	River	Pre	6.7	7.82	<2	8	939	680	130	4	220	96	0.041	0.119	0.076	<0.010	0.063	0.077	0.159	
		19.09.2023	Water	During	6.8	7.46	2	16	1107	772	140	8	350	104	0.069	0.128	0.086	<0.010	0.074	0.082	0.162	
		25.09.2023	Sample	Post	6.2	7.52	2	24	1138	784	155	10	350	110	0.074	0.135	0.093	<0.010	0.08	0.086	0.173	
5	Armanampudur	15.09.2023	River	Pre	6.9	7.63	3	16	205	136	40	10	70	28	0.039	0.089	0.022	<0.010	0.092	0.036	0.106	
		19.09.2023	Water	During	6.5	7.68	4	32	231	172	45	12	90	36	0.048	0.094	0.034	<0.010	0.096	0.039	0.114	
		25.09.2023	Sample	Post	6.1	7.54	4	32	262	196	58	16	98	40	0.056	0.103	0.044	<0.010	<0.104	0.043	0.122	
6	Valga Dam D/S	15.09.2023	River	Pre	6.5	7.63	3	24	311	208	35	12	90	20	0.018	0.198	0.02	<0.010	0.031	0.012	0.116	
		19.09.2023	Water	During	6.4	7.58	4	24	362	248	42	16	110	28	0.025	0.197	0.028	<0.010	0.042	0.016	0.12	
		25.09.2023	Sample	Post	6.5	7.63	4	32	388	254	50	20	120	32	0.033	0.198	0.029	<0.010	0.049	0.023	0.134	
7	Auririgudi Bahasurampathan Thiruvanni	15.09.2023	River	Pre	7.2	7.92	<2	8	332<1.0	216	25	4	120	28	0.033	0.076	0.039	<0.010	0.079	0.023	0.178	
		18.09.2023	Water	During	6.3	7.56	4	32	357	236	35	8	140	32	0.046	0.087	0.045	<0.010	0.084	0.023	0.182	
		25.09.2023	Sample	Post	6.3	7.45	3	32	366	244	38	10	152	36	0.059	0.095	0.057	<0.010	0.086	0.032	0.023	
8	Varasandu-Molamparai Check Dam	15.09.2023	River	Pre	7.2	7.51	3	24	124<1.0	88	24	16	40	16	0.037	0.372	0.031	<0.010	0.092	0.039	0.096	
		19.09.2023	Water	During	6.8	6.65	3	32	407	268	55	16	90	12	0.051	0.092	0.036	<0.010	0.063	0.014	0.153	
		25.09.2023	Sample	Post	6.6	7.02	3	24	435	272	60	18	96	16	0.061	0.098	0.044	<0.010	0.075	0.023	0.162	

INFERENCE: There is no marked difference in the sampled location over the Theni sight, with reference to Prelimmersion and Post Immersion, that indicates pollution due to immersion of idol.


  
 P. Praveen Kumar
   

  
 P. Praveen Kumar
   

  
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 Chennai-600 032

Analysis results (Physico-Chemical and Bacteriological Parameter) of different water bodies over Kanyakumari monitored pre-, during & post- idol immersion activity during Ganesh Chaturthi - 2023

District : KANYAKUMARI

SL No	Sampling Location in Kanyakumari	Date of sampling	Type of water body	Immersion Sampling	General Parameters														Heavy Metals in mg/L								Microbiological Parameter	
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform (MPN/100ml)	Total Coliform (MPN/100ml)					
1	Pattanam	14.09.2023	River	Pile	5.7	6.73	5	40	145	3	104	25	6	24	8	<0.0008	0.024	<0.01	<0.1	<0.015	0.028	5.5	17					
		21.09.2023		During	4.6	6.92	13	104	328	5	244	70	12	96	16	<0.0008	0.053	<0.01	<0.1	<0.015	0.065	6.1	21					
		26.09.2023		Post	5.8	6.95	4	32	106	3	82	18	4	20	4	<0.0008	0.019	<0.01	<0.1	<0.015	0.02	6	24					
		14.09.2023		Pipe	5.9	6.85	3	24	152	3	116	30	4	28	12	<0.0008	0.022	<0.01	<0.1	<0.015	0.021	5.5	13					
2	Tarakulam	24.09.2023	River	Post	4.2	6.85	10	80	295	6	216	70	10	110	24	<0.0008	0.058	<0.01	<0.1	<0.015	0.039	7.8	17					
		26.09.2023		Post	6	6.91	4	32	90	3	68	16	4	24	8	<0.0008	0.019	<0.01	<0.1	<0.015	0.024	6.8	14					
		12.09.2023		Post	5.8	6.55	3	24	164	3	112	38	8	24	12	<0.0008	0.028	<0.01	<0.1	<0.015	0.021	9.1	21					
		21.09.2023		During	4.1	6.9	9	72	348	5	260	75	12	110	24	<0.0008	0.036	<0.01	<0.1	<0.015	0.056	10	25					
3	Tarakulam	26.09.2023	River	Post	5.7	6.98	3	24	129	3	96	30	6	20	8	<0.0008	0.021	<0.01	<0.1	<0.015	0.025	9.2	24					
		14.09.2023		Pipe	5.9	7.48	4	32	35100	6	27396	15450	28	1860	96	<0.0008	0.058	<0.01	<0.1	<0.015	0.064	13	31					
		24.09.2023		During	4.3	7.65	9	72	46400	11	35264	18496	36	3960	228	<0.0008	0.089	<0.01	<0.1	<0.015	0.086	15	38					
		26.09.2023		Post	6	7.28	4	32	35300	6	27420	15580	24	1940	108	<0.0008	0.049	<0.01	<0.1	<0.015	0.059	12	36					
4	M.H. Katti	14.09.2023	Sea	Post	6	7.54	3	24	38200	4	29928	16575	32	2160	92	<0.0008	0.047	<0.01	<0.1	<0.015	0.072	8.1	21					
		24.09.2023		During	4.1	7.6	8	64	45200	9	33916	18660	40	3260	196	<0.0008	0.079	<0.01	<0.1	<0.015	0.089	7.8	25					
5	M.H. Katti	26.09.2023	Sea	Post	5.9	7.11	3	24	37400	4	28424	15960	28	1920	80	<0.0008	0.039	<0.01	<0.1	<0.015	0.063	8.2	26					

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Kanyakumari monitored pre-, during & post- idol immersion activity during Ganesh Chaturthi - 2023

District : KANYAKUMARI

SL. No	Sampling Location in Kanyakumari	Date of sampling	Type of water body	General Parameters														Heavy Metals in mg/L				Microbiological Parameter	
				Immersion Sampling		DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml
5	Chinnai Water Drain	24.09.2023	Sea	Pre	5.9	7.59	4	32	37700	4	29364	14328	24	2360	116	<0.0008	0.065	<0.01	<0.1	<0.015	0.078	8.3	24
				Post	4.2	7.68	7	56	47200	8	34932	17865	30	3640	216	<0.0008	0.083	<0.01	<0.1	<0.015	0.092	10	26
6	Vettanadai Beach	24.09.2023	Sea	Pre	5.8	7.62	5	40	38700	5	30268	16495	32	2320	56	<0.0008	0.056	<0.01	<0.1	<0.015	0.076	9.1	25
				Post	6	7.51	4	32	38400	4	28432	14860	24	2490	152	<0.0008	0.057	<0.01	<0.1	<0.015	0.065	9.2	25
7	Chinnai Water Drain	24.09.2023	Sea	Pre	5.8	7.57	3	24	37200	5	29420	14496	32	1960	148	<0.0008	0.07	<0.01	<0.1	<0.015	0.071	10	24
				Post	5.5	7.28	4	32	38300	5	28728	15960	28	1860	48	<0.0008	0.049	<0.01	<0.1	<0.015	0.063	9.3	26
8	Chinnai Water Drain	24.09.2023	Sea	Pre	4.5	7.59	8	64	46700	8	35062	17960	40	3860	236	<0.0008	0.085	<0.01	<0.1	<0.015	0.089	9.2	21
				Post	5.9	7.41	3	24	36600	5	29260	14620	28	2080	160	<0.0008	0.062	<0.01	<0.1	<0.015	0.059	11	26
9	Sardulathur Beach	24.09.2023	Sea	Pre	6	7.59	3	24	37900	4	29964	13994	28	1860	72	<0.0008	0.068	<0.01	<0.1	<0.015	0.075	11	31
				Post	4.3	7.62	8	64	44600	7	33468	16495	34	2960	172	<0.0008	0.086	<0.01	<0.1	<0.015	0.086	8.2	14
10	Kanyakumari Beach	24.09.2023	Sea	Pre	5.8	7.31	3	24	38200	4	28672	14160	28	1980	76	<0.0008	0.056	<0.01	<0.1	<0.015	0.063	10	17
				Post	4.2	7.81	9	72	47600	9	35384	18460	40	3890	232	<0.0008	0.072	<0.01	<0.1	<0.015	0.087	9.3	24
10	Kanyakumari Beach	26.09.2023	Sea	Pre	6	7.21	4	32	38400	5	29160	14560	32	2180	48	<0.0008	0.051	<0.01	<0.1	<0.015	0.068	10	17
				Post	6	7.21	4	32	38400	5	29160	14560	32	2180	48	<0.0008	0.051	<0.01	<0.1	<0.015	0.068	10	17

INFERENCE: There is no marked difference in the sampled location over the Kanyakumari sight, with reference to Pre-immersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Signature]*  
30/09/23

DCSO (A.R.P.)

DEPUTY DIRECTOR (I)  
Tamilnadu Pollution Control  
7B, Mount Salai, Guin  
Chennai-600 032.

**Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over monitored pre-, during & post -idol immersion activity during Ganesh Chaturthi - 2023**

District : Salem

SL. No	Sampling Location	Date of sampling	Type of water body	Immersion Sampling	General Parameters													Heavy Metals					Microbiologic Parameters (MPN/100ml)
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	
1	Aminmedu Dam	13.09.23	River	Pre	6.4	7.68	<2	16	896	0.92	548	56	4	330	392	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	31
		20.09.23		During	6	7.68	2.4	24	902	2.24	568	52	8	350	116	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	40
2	Vaniyarkundu in Lake	13.09.23	River	Pre	6.9	8.43	<2	16	362	0.91	268	18	4	190	188	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	21
		20.09.23		During	6.1	8.37	2.7	32	378	2.62	288	16	12	200	176	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.2	21
3	Muttal Lake	13.09.23	River	Pre	6.3	7.45	<2	24	441	6.92	332	14	8	360	316	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	31
		20.09.23		During	5.8	7.19	<2	16	668	0.94	464	26	4	180	136	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	20	41
4	Ottampatti Lake	13.09.23	River	Pre	5.8	7.89	<2	24	535	4.18	388	16	8	140	124	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	31
		20.09.23		During	5.8	7.42	<2	24	597	2.29	424	16	8	250	216	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	31
5	Senthapatti Lake	13.09.23	River	Pre	5.8	7.43	<2	16	538	0.83	388	58	4	240	192	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	26	41
		20.09.23		During	5.6	7.62	2.4	24	500	6.42	376	48	8	210	188	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	31
6	Jangama samutharam Lake	13.09.23	River	Pre	5.7	7.34	<2	24	546	4.96	396	52	8	260	200	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.1	21
		20.09.23		During	5.7	7.16	2.4	24	502	2.8	292	40	8	240	140	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	21
7	Seechunai kempatti Lake	13.09.23	River	Pre	5.2	8.18	<2	32	641	4.26	393	64	12	240	172	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.2	11
		20.09.23		During	6.3	7.52	<2	16	435	0.82	284	20	4	210	192	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	31
8	Kumaraviri Lake	13.09.23	River	Pre	6.2	8.4	<2	24	448	4.48	304	28	8	220	184	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	31
		20.09.23		During	6.1	7.71	<2	24	466	2.89	308	26	8	220	184	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	31
9	Mookaneri Lake	13.09.23	River	Pre	7	7.12	<2	16	1075	0.84	604	185	4	200	264	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	6.8	9
		20.09.23		During	6.1	7.34	2.4	24	2500	0.94	1464	450	8	430	712	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	

INFERENCE: There is no marked difference in the sampled loaction over the Salem sight with, refence to Preimmersion and Post Immersion, that indicates pollution due to Immersion of idol.

*[Handwritten Signature]*  
ES

*[Handwritten Signature]*  
D. S. S. (M. S. S.)

DD (LABS) SL

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board  
76, Mount Satal, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-flood  
Immersion activity during Ganesh Chaturthi - 2023

District :  
NAGAPATTINAM

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	Lab code	General Parameter														Heavy Metals					
						DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmhos/cm)	Turbidity (NTU)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)		
1	Velairu River at Nagore Bridge	15.09.2023	River (Estuary)	Pre	869	5.3	7.94	3.1	32	52570	24.9	32066	14247	14	4800	142	<0.0008	FNA	0.12	<0.01	<0.1	0.036	0.059		
		24.09.2023		During	933	5.4	7.87	3.2	40	36400	36	22314	9172	16	4900	156	<0.0008	FNA	0.131	<0.01	<0.1	0.049	0.081		
		26.09.2023		Post	941	5.4	7.59	3.1	40	40080	30.2	24528	10100	18	5100	150	<0.0008	FNA	0.126	<0.01	<0.1	0.045	0.061		
2	Nagaallina in New Beach	16.09.2023	Sea	Pre	869	5.7	7.88	3.2	32	51120	6	30672	18882	12	5200	152	<0.0008	FNA	0.091	<0.01	<0.1	0.028	0.051		
		24.09.2023		During	934	5.5	8.08	3.2	40	52120	6.5	32836	19134	14	5200	132	<0.0008	FNA	0.103	<0.01	<0.1	0.036	0.077		
		26.09.2023		Post	942	5.2	8.02	3.4	40	51330	6	32030	18935	16	5300	120	<0.0008	FNA	0.099	<0.01	<0.1	0.032	0.072		
3	Puduchattar Beach	16.09.2023	Sea	Pre	870	5.3	7.79	3.4	24	51430	8.4	31578	18960	14	6300	126	<0.0008	FNA	0.087	<0.01	<0.1	0.027	0.044		
		19.09.2023		During	885	5.5	7.5	3.5	32	51380	5.9	30880	18947	14	6400	128	<0.0008	FNA	0.098	<0.01	<0.1	0.038	0.072		
		23.09.2023		Post	936	5.3	7.86	3.7	32	47840	5.6	29182	19055	16	6400	144	<0.0008	FNA	0.092	<0.01	<0.1	0.031	0.061		
4	Sirkali Uppanar River	16.09.2023	River (Estuary)	Pre	871	5.3	7.97	3.4	32	17110	8.9	10488	4311	16	2010	150	<0.0008	FNA	0.091	<0.01	<0.1	0.021	0.052		
		19.09.2023		During	886	5.4	8.02	3.5	40	16590	9.7	10334	4180	18	2050	192	<0.0008	FNA	0.097	<0.01	<0.1	0.032	0.079		
		23.09.2023		Post	937	5.7	7.95	3.5	40	18620	8.4	11752	4692	20	2070	164	<0.0008	FNA	0.089	<0.01	<0.1	0.027	0.077		

Sl. No.	Location	Date	Sample Type	Parameters																		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
5	Meylathur - Cauvery River	16.09.2023	Pre	872	5.3	7.65	3.6	32	370	2	208	58	14	170	132	<0.0008	FNA	0.068	<0.01	<0.1	0.026	0.052
		19.09.2023	During	887	5.4	8.42	3.8	40	467	3.4	286	73	16	180	136	<0.0008	FNA	0.078	<0.01	<0.1	0.032	0.078
		23.09.2023	Post	938	5.6	7.86	3.7	40	398	3.4	244	62	16	190	202	<0.0008	FNA	0.072	<0.01	<0.1	0.029	0.061
6	Mulluppettai Bannin River	16.09.2023	Pre	873	5.3	7.71	3.8	40	668	2.3	368	117	12	200	186	<0.0008	FNA	0.063	<0.01	<0.1	0.02	0.031
		24.09.2023	During	935	5.2	8.61	3.9	48	846	1	466	149	14	210	248	<0.0008	FNA	0.081	<0.01	<0.1	0.026	0.088
		26.09.2023	Post	943	5.4	8.29	3.7	48	769	2.8	384	135	18	225	270	<0.0008	FNA	0.075	<0.01	<0.1	0.025	0.062
7	Thiruvatur Odampokki River	16.09.2023	Pre	874	5.3	7.6	3.8	24	702	4.2	352	123	16	205	200	<0.0008	FNA	0.069	<0.01	<0.1	0.031	0.072
		29.09.2023	During	888	5.5	7.76	3.7	32	480	21.9	240	90	18	200	260	<0.0008	FNA	0.077	<0.01	<0.1	0.041	0.087
		24.09.2023	Post	939	5.7	8.35	3.8	32	777	3.6	388	137	22	210	240	<0.0008	FNA	0.072	<0.01	<0.1	0.039	0.079
8	Koothanallu - Vennar River	16.09.2023	Pre	875	5.8	7.47	3.4	32	602	2.3	294	106	14	190	166	<0.0008	FNA	0.082	<0.01	<0.1	0.033	0.016
		20.09.2023	During	889	5.6	8.15	3.5	32	818	3.6	400	144	18	210	204	<0.0008	FNA	0.093	<0.01	<0.1	0.041	0.045
		24.09.2023	Post	940	5.6	8.79	3.4	32	932	3.4	456	164	16	240	218	<0.0008	FNA	0.088	<0.01	<0.1	0.035	0.032

INFERENCE: There is no marked difference in the sampled location over the Nagapattinam sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

*[Signature]*  
26/10/23  
ES  
P. Praveen Kumar

*[Signature]*  
26/10/23  
D. S. S. (S. S. S.)

DD (LABS) S/c

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board,  
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Chennai-600 032.



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023

District: CUDDALORE

S.No	Sampling Location	Date of sampling	Type of water body	Pre/Post immersion sampling	Lab Code	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	General Parameters										Heavy Metals, mg/L				
										Conductivity (µmhos/cm)	Turbidity (NTU)	Total Dissolved Solids (mg/L)	Chloride (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)		
1	River Kollidam near Vallampadu ga Road Bridge	13.09.2023	River (Estuary)	Pre	783	5.6	7.97	3.2	32	32150	1.1	17136	10996	14	4000	124	<0.0008	0.053	<0.01	<0.1	0.028	0.084		
				Post	898	5.5	8.08	3.3	40	34112	1.7	19326	12894	18	4100	130	<0.0008	0.059	<0.01	<0.1	0.031	0.091		
2	River Vallaru Near Bhuvanagiri Road Bridge	21.09.2023	River (Estuary)	Pre	784	5.6	8.25	3.1	32	23840	0.7	14012	9011	16	2900	154	<0.0008	0.071	<0.01	<0.1	0.031	0.071		
				Post	899	5.6	7.85	3.2	40	30380	0.9	16236	11483	22	3000	144	<0.0008	0.072	<0.01	<0.1	0.033	0.078		
3	Bay of Bengal at Samyapattai Barach	13.09.2023	Sea	Pre	785	5.6	8.03	2.9	24	51530	1.6	30256	19393	12	6500	124	<0.0008	0.091	<0.01	<0.1	0.036	0.086		
				Post	900	5.7	7.96	3	32	48200	1.1	30012	17619	16	6500	120	<0.0008	0.093	<0.01	<0.1	0.041	0.092		
4	River Uppanaru near Rosapatta Road Bridge	13.09.2023	River (Estuary)	Pre	786	5.4	8.11	3	32	40090	0.9	25232	14995	14	5000	134	<0.0008	0.082	<0.01	<0.1	0.027	0.058		
				Post	901	5.5	8.07	3.1	40	30320	1.4	15488	11460	18	5100	146	<0.0008	0.086	<0.01	<0.1	0.031	0.064		
5	Bay of Bengal at Devanampalimam Silver Beach	13.09.2023	Sea	Pre	787	5.6	8.01	3	24	51800	1.9	31252	19593	14	6600	120	<0.0008	0.089	<0.01	<0.1	0.026	0.041		
				Post	902	5.5	7.9	3.2	32	50800	2.1	30256	18602	16	6700	128	<0.0008	0.091	<0.01	<0.1	0.032	0.04		

INFERENCE: There is no marked difference in the sampled location over the Cuddalore sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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DCSO (CAMP)

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Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : RAMANATHAPURAM

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals mg/L					Micro Biological, MPN/100ml	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform	
1	NAVAPASANAM SEASHORE, DEVIPATTINAM	16.09.2023	Seashore	Pre	<5	6.4	7.31	32	232	58400	12	52900	30990	48	480	400	<0.0008	<0.0015	0.29	0.073	0.17	0.052	18	14	
		20.09.2023		During	<5	3.2	7.49	36	1048	55600	14	38900	30993	36	720	600	0.003	0.02	0.324	0.218	0.234	0.06	18	24	
		26.09.2023		Post	<5	2.8	7.42	40	1440	55900	10	39100	35492	40	740	640	0.003	0.026	0.38	4.035	0.267	0.358	12	34	
2	NOCHIVAYAL OORANI	16.09.2023	Oorani	Pre	<5	5.9	7.42	5	32	806	83	554	105	46	216	108	<0.0008	<0.0015	0.038	0.139	0.134	0.057	18	12	
		20.09.2023		During	<5	5.5	6.95	6	32	652	16	460	170	12	490	320	0.003	0.018	0.042	0.282	0.254	0.072	2	33	
		26.09.2023		Post	<5	4.9	6.42	10	88	2850	12	1996	800	16	920	620	0.004	0.027	0.073	0.243	0.103	0.361	12	49	

INFERENCE: There is no marked difference in the sampled location over the Ramanathapuram silt with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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30/10/23  
ES  
Prasanna K

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30/10/23  
DCSO (A&W)

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**Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over monitored pre-, during & post- idol immersion activity during Ganesh Chaturthi - 2023**

District : Salem

SL. No	Sampling Location	Date of sampling	Type of water body	Immersion Sampling	General Parameters													Heavy Metals										Microbiological Parameters	
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform						
1	Aminmedu Dam	20.09.23	River	Pre	6.4	7.68	<2	16	896	0.92	508	56	4	330	392	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	34						
		26.09.23		Post	6	7.44	<2	24	902	2.24	568	52	8	350	416	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	46						
2	Vannakkonda m Lake	20.09.23	River	Pre	6.9	8.43	<2	16	362	0.91	268	18	4	190	344	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	34						
		26.09.23		Post	6.1	8.37	<2	32	378	2.62	288	16	12	200	180	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	34						
3	Methal Lake	20.09.23	River	Pre	5.8	7.19	<2	16	608	0.96	464	26	4	360	316	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	34						
		26.09.23		Post	5.8	7.89	<2	24	535	4.18	388	16	8	180	136	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	20	44						
4	Methampurai Lake	22.09.23	River	Pre	5.8	7.43	<2	24	597	2.29	424	16	8	140	124	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	34						
		26.09.23		Post	5.6	7.62	<2	16	503	0.83	388	58	4	250	216	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	34						
5	Senthampatti Lake	20.09.23	River	Pre	5.6	7.34	<2	24	506	4.96	396	52	8	210	188	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	24	34						
		26.09.23		Post	5.7	7.16	<2	24	502	2.8	292	40	8	260	92	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9	24						
6	Jegannatham Lake	14.09.2023	River	Pre	5.2	8.18	<2	32	641	4.26	393	64	12	240	140	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	24						
		22.09.2023		Post	6.3	7.81	<2	24	683	3.99	408	66	4	240	172	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9	24						
7	Sethupathi Lake	15.09.23	River	Pre	6.1	7.34	<2	24	2500	0.94	1464	450	8	430	712	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	34						
		27.09.23		Post	2.8	7.2	<2	32	1243	0.78	808	175	12	400	400	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	34						
8	Mookaneri Lake	20.09.23	River	Pre	1.9	8.25	<2	48	1314	4.35	936	158	24	430	368	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	34						
		27.09.23		Post	2.4	7.8	<2	32	1420	2.64	964	184	16	440	388	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	34						

IN FERENCE: There is no marked difference in the sampled location over the Salem sight with, reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

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DCSO (M&EP)

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Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-flood immersion activity during Ganesh Chaturthi - 2023

S.No	Sampling Location	Date of sampling	Type of water body	Pre Flood Immersion sampling	Color-visibility	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Conductivity (µmhos/cm)	Total Dissolved Solids (mg/l)	Total Chlorides (mg/l)	Total Suspended Solids (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Copper (mg/l)	Chromium (mg/l)	Lead (mg/l)	Zinc (mg/l)	Free Calcium (mg/l)	Total Calcium (mg/l)		
																						General Parameters	Heavy Metals
1	Uthiramerathi Lake, Near Chandrasekhar Temple, Sankar Panchayat Taluk, Thanjavur District	18.9.2023	Temple Lake - 100m from pond	Pre	10 colour	6.1	7.23	2	0	1235	7	6	225	6	142	31	<MCL	<MCL	<MCL	<MCL	11	11	
				Post	10 colour	6.0	6.4	4	24	1342	6	18	260	18	168	18	168	41	0.519	0.038	0.002	3.001	17
2	Panniyampalayam Lake, Government Hospital, Kottur Taluk, Thanjavur District	18.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	5.9	7.18	5	26	1216	7	105	200	4	141	52	0.152	<MCL	<MCL	<MCL	110	110	
				Post	10 colour	5.9	7.02	4	33	1302	12	112	200	6	162	90	162	90	0.152	<MCL	0.024	0.008	270
3	Kottur Taluk, Government Hospital, Kottur Taluk, Thanjavur District	25.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	5.5	7.02	6	24	3172	15	210	385	8	225	112	0.172	0.025	<MCL	0.178	69	240	
				Post	10 colour	5.2	7.12	3	32	3412	15	150	976	17	238	118	118	118	0.052	0.015	<MCL	0.152	97
4	Kottur Taluk, Government Hospital, Kottur Taluk, Thanjavur District	25.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	5.5	7.02	6	24	3172	15	210	385	8	225	112	0.172	0.025	<MCL	0.178	69	240	
				Post	10 colour	5.5	7.02	6	24	3172	15	210	385	8	225	112	0.172	0.025	<MCL	0.178	69	240	
5	Sankar Panchayat Temple, Sankar Panchayat Taluk, Thanjavur District	21.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	6.1	7.35	2	9	150	12	95	265	6	141	90	<MCL	<MCL	<MCL	<MCL	11	11	
				Post	10 colour	6.2	6.92	2	14	1672	13	91	245	8	152	112	112	112	<MCL	<MCL	0.024	0.081	12
6	Sankar Panchayat Temple, Sankar Panchayat Taluk, Thanjavur District	28.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	6.0	7.32	4	16	1283	14	95	240	6	150	110	<MCL	<MCL	<MCL	<MCL	11	11	
				Post	10 colour	6.0	7.85	5	32	592	21	2	110	2	165	35	165	35	<MCL	<MCL	0.014	0.075	75
7	Sankar Panchayat Temple, Sankar Panchayat Taluk, Thanjavur District	27.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	5.0	7.37	4	48	632	16	4	190	4	142	120	<MCL	<MCL	<MCL	<MCL	12	12	
				Post	10 colour	5.9	7.42	1	41	561	16	4	165	4	142	92	142	92	<MCL	<MCL	0.017	0.002	12
8	Sankar Panchayat Temple, Sankar Panchayat Taluk, Thanjavur District	26.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	5.0	7.32	4	48	632	16	4	190	4	142	120	<MCL	<MCL	<MCL	<MCL	12	12	
				Post	10 colour	5.7	7.46	10	32	346	28	42	93	20	240	156	156	156	<MCL	<MCL	<MCL	<MCL	14
9	Sankar Panchayat Temple, Sankar Panchayat Taluk, Thanjavur District	18.9.2023	Reservoir in the area of the Government Hospital (500m)	Pre	10 colour	6.1	7.25	7	16	652	13	101	245	6	152	70	0.166	<MCL	<MCL	<MCL	0.800	12	21
				Post	10 colour	6.1	7.25	7	16	652	13	101	245	6	152	70	0.166	<MCL	<MCL	<MCL	0.800	12	21

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre-and post-flood immersion activity during Ganesh Chaturthi - 2023 District : Hosur, Krishnagiri District

Sl.No	Sampling Location	Date of sampling	Type of water body	Pre/Post immersion sampling	General Parameters													Heavy Metals			Microbiological	
					Color	Odor	Turbidity (NTU)	Total Dissolved Solids (TDS) (mg/l)	Total Chlorides (mg/l)	Total Suspended Solids (TSS) (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Free Ammonia (mg/l)	Chemical Oxygen Demand (COD) (mg/l)	Copper (mg/l)	Lead (mg/l)	Zinc (mg/l)	Fecal Coliform	Total Coliform			
6	Dandavathi, Krishnagiri Dist	22/9/2023 26/9/2023	Irrigation Tank	During Post	Slightly yellow	6.2	6.95	3	32	707	16	67	285	8	162	110	0.108	<MDL	0.012	0.072	17	33
					Slightly greenish	4.1	7.26	3	20	651	12	69	250	8	128	97	0.084	<MDL	0.016	0.016	11	24
9	Bhogalur, Krishnagiri Dist	18/9/2023 21/9/2023 26/9/2023	Reservoir Tank	Pre During Post	Slightly pink	5.7	7.12	2	16	1106	12	65	275	4	133	95	0.180	0.026	<MDL	<MDL	14	17
					Slightly pink	5.2	6.92	4	26	1120	18	110	165	8	138	108	0.21	0.428	<MDL	<MDL	22	31
					Slightly pink	5.0	7.34	2	8	1013	17	87	195	4	142	112	0.082	0.495	0.021	<MDL	<MDL	14
10	Kalyanpur, Krishnagiri Dist	18/9/2023 22/9/2023	Irrigation Tank	Pre During Post	Clear	5.0	7.21	2	3	2165	6	175	550	8	152	126	0.113	0.619	<MDL	0.212	17	25
					Slightly pink	6	7.02	2	14	2121	7	230	975	10	147	110	0.90	0.690	<MDL	0.192	31	47
11	Cremilly Lake, Krishnagiri Dist	18/9/2023 21/9/2023	Reservoir Tank	Pre During Post	Clear	5.9	7.52	2	3	5222	8	46	410	2	157	135	0.525	<MDL	<MDL	0.608	62	77
					Clear	6.2	7.12	2	16	1207	12	110	280	6	140	120	0.209	<MDL	<MDL	0.585	17	34
12	Dudal Lake, Srirangapatna, Mysuru Dist	18/9/2023 22/9/2023	Irrigation Tank	Pre During Post	Clear	5.5	7.50	3	6	812	12	25	264	2	140	80	1.925	<MDL	<MDL	0.630	11	24
					Clear	6.2	7.12	3	16	869	14	68	266	4	162	95	0.480	<MDL	<MDL	0.555	14	47
13	S. Srirangapatna, Srirangapatna, Mysuru Dist	21/9/2023 26/9/2023	Crete Dam	Pre Post	Clear	6.2	7.71	3	16	686	14	42	225	4	160	88	0.499	<MDL	0.012	0.592	20	39
					Clear	6.2	7.71	3	16	686	14	42	225	4	160	88	0.499	<MDL	0.012	0.592	20	39
14	Kalinji, Krishnagiri Dist	18/9/2023 22/9/2023	Irrigation Tank	Pre During Post	Clear	6.2	7.52	2	9	392	10	35	46	2	64	48	0.22	<MDL	<MDL	0.074	12	38
					Clear	6.2	7.52	2	24	417	12	45	55	2	86	60	0.22	<MDL	0.030	0.081	21	47
15	Kalinji, Krishnagiri Dist	18/9/2023 22/9/2023	Irrigation Tank	Pre During Post	Clear	6.2	7.52	2	9	392	10	35	46	2	64	48	0.22	<MDL	<MDL	0.074	12	38
					Clear	6.2	7.52	2	24	417	12	45	55	2	86	60	0.22	<MDL	0.030	0.081	21	47
16	Kalinji, Krishnagiri Dist	18/9/2023 22/9/2023	Irrigation Tank	Pre During Post	Clear	6.2	7.52	2	9	392	10	35	46	2	64	48	0.22	<MDL	<MDL	0.074	12	38
					Clear	6.2	7.52	2	24	417	12	45	55	2	86	60	0.22	<MDL	0.030	0.081	21	47

**Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-idol immersion activity during Ganesh Chaturthi - 2023**

S.No	Sampling location	Date of sampling	Type of water body	Pre/Post Immersion sampling	Color (ntu)	pH	BOD (mg/l)	COD (mg/l)	General Parameters										Heavy Metals			Total Solids	
									Conductivity (µmhos/cm)	Turbidity (ntu)	Total Dissolved Solids (mg/l)	Chlorides (mg/l)	Total Suspended Solids (mg/l)	Total Hardness (mg/l)	Total Alkalinity (mg/l)	Copper (mg/l)	Chromium (mg/l)	Lead (mg/l)	Zinc (mg/l)	Total Calcium (mg/l)	Total Magnesium (mg/l)		
15	Uthangudi Tank	26.9.2023	irrigation	Post	Clear	7.70	2	8	1362	6	70	70	5	95	85	<MDL	0.372	<MDL	0.352	22	22		
16	Manganudi Temple, River, Bangur, Bangur Taluk	26.9.2023	Fall end of Tempurva River water used for irrigation	Post	Clear	7.74	3	31	1373	17	65	205	4	162	95	<MDL	<MDL	0.012	9.685	22	22		
17	KRP Dam, Krishnagar Taluk	26.9.2023	Major water storage area used for Agriculture	Post	Clear	7.52	2	16	1193	20	60	250	4	142	84	1.504	0.771	<MDL	0.0051	11	25		
18	Gummanur Tempurva Krishnagar Taluk, Krishnagar Taluk	26.9.2023	Fall end of Tempurva River water used for irrigation	Post	Clear	7.78	4	31	874	16	60	275	2	185	85	0.477	0.037	<MDL	0.172	21	91		
19	Erodi Pr. dur, Thambanallur, Krishnagar Taluk, Krishnagar Taluk	26.9.2023	Water check dam location in the border of Thambanallur irrigation	Post	Clear	8.07	2	16	1203	12	75	245	4	138	78	0.777	<MDL	<MDL	0.007	11	20		
20	ON Kollur Lake, Vengannur, Krishnagar Taluk	27.9.2023	irrigation Tank	Post	Clear	7.67	3	26	1185	12	70	120	6	172	126	0.997	0.302	<MDL	0.008	26	94		
21		27.9.2023	irrigation Tank	Post	Clear	7.45	2	16	1312	12	68	125	8	158	108	0.021	0.371	0.004	0.009	24	39		

INFERENCE: There is no marked difference in the sampled location over the Hosur & Krishnagar Taluk, with reference to Pre-immersion and Post Immersion, that indicates pollution due to immersion of idol.

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ES  
Inspector

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DCEO (A&P)

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DD (LABS) JC

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Analysis results (Physico-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State Monitored during Pre and Post Idol Immersion activity during Ganesh Chaturthi - 2023

District : Dharmapuri

SL. No	Sampling Location in Tirunelveli	General Parameters													Heavy Metals, mg/L							Microbiological Parameters	
		Date of sampling	Type of water body	Immersion Sampling	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml
1	Vanyar Dam	16.09.23	River	Pre	6.3	7.82	<2	16	318	0.79	232	28	4	170	120	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	2	9.3
		20.09.23		During	5.9	8.11	<2	24	533	0.89	396	26	8	100	116	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	20
		25.09.23		Post	6.2	7.34	<2	24	810	0.82	544	24	8	150	124	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	6.8	12
2	Varataru Dam	16.09.23	River	Pre	6.7	7.42	<2	16	310	0.72	204	23	4	120	144	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	9.3	24
		20.09.23		During	6.3	7.99	<2	24	370	0.79	244	26	8	130	132	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	24
		25.09.23		Post	6.6	7.66	<2	24	356	0.77	220	22	8	140	128	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	34
3	Kicherambadi Dam	16.09.23	River	Pre	5.9	7.81	<2	24	1380	0.79	904	270	8	400	304	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	34
		20.09.23		During	5.5	8.08	<2	32	1433	0.89	964	216	12	340	304	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	40
		26.09.23		Post	5.9	7.94	<2	32	1207	0.96	760	204	12	320	268	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	24
4	Thempenna i River	16.09.23	River	Pre	6.7	8.26	<2	16	1385	0.92	796	210	4	380	308	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	24
		20.09.23		During	6.5	8.55	2.7	32	1567	0.96	1012	222	8	350	300	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	14	24
		26.09.23		Post	6.6	8.09	2.1	24	1789	1.04	1088	196	8	340	276	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	24
5	Kesaragull Dam	16.09.23	River	Pre	6.3	7.23	<2	16	639	0.76	376	82	4	160	212	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	11	14
		20.09.23		During	5.6	8.96	<2	24	678	2.49	428	56	12	210	180	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	21	47
		26.09.23		Post	6.2	7.82	<2	16	684	0.79	412	70	8	150	220	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	24
6	Cauvery (Hogeraakkai)	16.09.23	Sea	Pre	5.6	8.01	<2	16	391	0.81	264	44	4	140	164	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	12	21
		20.09.23		During	4.9	8.78	<2	24	541	0.84	396	76	8	220	212	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	27	47
		26.09.23		Post	5.4	8.54	<2	16	547	0.82	348	48	8	180	176	<0.05	<0.1	<0.05	<0.1	<0.3	<0.03	17	39

INFERENCE: There is no marked difference in the sampled location over the Dharmapuri sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol

ES (Priyanka K)

Deso (A.S.M)


DEPUTY DIRECTOR  
Tamilnadu Pollution Control Board,  
76, Mount Salai, Guindy,  
Chennai-600 032.

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State Monitored during Pre and Post Idol Immersion activity during Ganesh Chaturthi - 2023

District :  
Kanchipuram

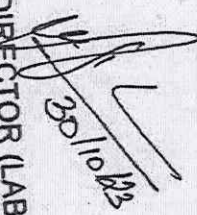
S.No	Sampling Location	Date of sampling	Type of water body	Pre/Post immersion sampling	General Parameters													Heavy Metals in mg/L				
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Sulphate (mg/L)	Total Suspended Solids (mg/L)	Cadmium	Copper	Chromium Total	Manganese	Lead	Zinc	
1	Sarvathceertha Karai Kulam	13.09.2023	Pond	Pre	Dark Yellow	3	7.88	4	16	961	2	600	185	15	12	BDL [DL 0.1]	BDL [DL 0.2]	BDL [DL 0.05]	0.255	0.718	0.101	
				During	Pale Yellow	<1	6.87	8	16	936	2	712	180	76	17	BDL [DL 0.1]	BDL [DL 0.2]	BDL [DL 0.05]	0.263	0.722	0.12	
2	Ponnerkaraiikulam Lake	22.09.2023	Lake	Pre	Dark Yellow	3	6.59	4	32	419	2.5	344	75	2	8	0.143 [DL 0.2]	BDL [DL 0.2]	BDL [DL 0.05]	0.3401	1.333	0.178	
				During	Pale Yellow	<1	6.42	10	56	479	2.5	320	90	45	14	0.149 [DL 0.2]	BDL [DL 0.2]	BDL [DL 0.05]	0.362	1.348	0.182	
Samples not taken																						

INFERENCE: There is no marked difference in the sampled location over the Kanchipuram sight, with reference to Pre immersion and Post Immersion, that indicates pollution due to immersion of idol.

  
30/10/23  
ES  
(Priyanka.K)

7th Aug 30/10/23  
DCSO (A & W)

DD (LABS)

  
30/10/23  
DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board,  
76, Mount Salai, Guindy,  
Chennai-600 032.



Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : DINDIGUL

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals . mg/L							Micro Biological	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Cobalt	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform		
1	Kudakanaru	11.09.2023	Surface Water	Pre	6.2	8.06	5	64	3721	<1.0	2	3124	1430	20	1080	172	0.099	0.052	<0.010	0.064	0.798	0.194	<1.8	<1.8			
		21.09.2023		During	6.6	8.17	6	64	3897	2	3296	1480	28	1100	188	0.098	0.063	<0.010	0.072	0.808	0.198	<1.8	<1.9				
		28.09.2023		Post	5.9	8.49	9	80	4100	2.11	3420	1510	32	1240	204	0.121	0.081	<0.010	0.078	0.822	0.171						
2	Kanhvadi Machakulam	14.09.2023	Surface Water	Pre	6.5	7.61	13	88	492	30	352	75	170	130	28	0.073	0.135	<0.010	0.411	0.088	0.163	4	32				
		20.09.2023		During	6.8	7.29	8	56	521	5	324	95	86	150	36	0.083	0.144	<0.010	0.492	0.093	0.172	9.2	20				
		26.09.2023		Post	6.2	7.06	8	64	544	6.12	332	105	96	160	44	0.096	0.164	<0.010	0.501	0.117	0.194	4	20				
3	Palani-Shararuganathi	14.09.2023	Surface Water	Pre	6.4	8.13	3	16	623	2	428	75	8	230	48	0.081	0.088	<0.010	0.058	0.18	0.181	<1.8	11				
		21.09.2023		During	6.7	7.49	4	32	679	4	468	110	12	240	56	0.089	0.092	<0.010	0.062	0.194	0.193	8.2	26				
		26.09.2023		Post	6.2	7.77	7	48	696	4	480	110	12	240	52	0.094	0.101	<0.010	0.11	0.208	0.198	6.1	25				
4	Thalakkuruvu oodancharam	14.09.2023	Surface Water	Pre	6.2	7.97	5	24	255	3	196	80	20	80	16	0.069	0.057	<0.010	0.139	0.047	0.104	<1.8	11				
		20.09.2023		During	6	8.05	5	40	319	5	232	95	28	90	24	0.078	0.068	<0.010	0.156	0.058	0.134	6.1	21				
		26.09.2023		Post	5.8	7.52	5	48	333	5.36	240	95	32	90	28	0.088	0.082	<0.010	0.133	0.083	0.211	3.7	21				
5	Eroodu-Nanbanavakulam	14.09.2023	Surface Water	Pre	6.7	8.14	<2.0	8	753	<1.0	524	130	8	230	44	0.072	0.064	<0.010	0.044	0.191	0.217	3.6	49				
		20.09.2023		During	6.5	7.55	2	16	782	3	155	2	12	250	52	0.086	0.075	<0.010	0.058	0.198	0.238	8.2	31				
		28.09.2023		Post	6.1	7.01	5	32	812	4.08	548	170	16	270	60	0.098	0.081	<0.010	0.075	0.211	0.179						
6	Gurliyamparai	14.09.2023	Surface Water	Pre	6	7.07	4	24	127	4	78	15	18	40	12	0.062	0.078	<0.010	0.063	0.027	0.116	4.5	48				
		21.09.2023		During	6.3	7.3	3	24	130	1.6	92	30	4	40	16	0.042	0.064	<0.010	0.032	0.104	0.12	4	39				
		28.09.2023		Post	6.2	7.45	3	24	148	2	98	34	6	40	20	0.049	0.073	<0.010	0.044	0.109	0.128						
7	Natham ammankulam	14.09.2023	Surface Water	Pre	7.1	8.06	<2.0	16	609	2	392	120	4	260	32	0.068	0.088	<0.010	0.044	0.073	0.152	<1.8	2				
		25.09.2023		During	6.7	8.01	3	24	678	4	448	140	10	280	40	0.072	0.09	<0.010	0.053	0.086	0.163	4	25				
		27.09.2023		Post	6.4	8.24	6	40	721	4.55	464	155	16	310	40	0.058	0.099	<0.010	0.068	0.093	0.177						
8	Samarpaty	14.09.2023	Surface Water	Pre	6.9	7.47	6	32	241	129	156	40	30	80	24	0.061	0.088	<0.010	0.057	0.047	0.102	1.8	17				
		21.09.2023		During	6.1	7.03	4	32	617	2.1	372	80	6	170	32	0.036	0.073	<0.010	0.028	0.114	0.132	2	17				
		27.09.2023		Post	6	7.18	4	32	656	2.2	384	85	8	210	36	0.051	0.084	<0.010	0.049	0.138	0.198						

Analysis results (Physio-Chemical and Bacteriological Parameters) of different water bodies over Tamil Nadu State monitored during pre- and post-flood immersion activity during Ganesh Chaturthi - 2023

District : DINDIGUL

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals - mg/L						Micro Biological	
					Color(Hazen Units)	DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Cobalt	Copper	Chromium Total	Manganese	Lead	Zinc	Fecal Coliform	Total Coliform	
9	Maruthanathi Dam	14.09.2023	Surface Water	Pre	6.4	7.73	<2.0	8	14	671	3	424	135	12	170	48	0.043	0.075	<0.010	0.026	0.126	0.192	1.8	6.1		
		20.09.2023		During	6	7.99		2	16	485	2	324	45	16	200	52	0.052	0.095	<0.010	0.039	0.134	0.196	6.1	49		
10	Annapary Vegal river	14.09.2023	Surface Water	Pre	6.6	7.88		3	14	671	3	424	135	12	170	48	0.043	0.075	<0.010	0.026	0.126	0.192	1.8	6.1		
		20.09.2023		During	6.2	7.78		4	24	712	4.2	492	155	20	200	52	0.052	0.082	<0.010	0.039	0.134	0.196	6.1	31		
11	Kotakkulam	14.09.2023	Surface Water	Pre	6.2	7.76	<2.0	8	173	173	3	120	30	6	90	16	0.037	0.069	<0.010	0.036	0.124	0.116	3.6	48		
		20.09.2023		During	6.4	6.75		2	16	384	5	264	45	12	110	20	0.042	0.073	<0.010	0.045	0.136	0.124	4	7		
12	Thackkombu-kadageraru river	15.09.2023	Surface Water	Pre	6	7.95		4	24	6095	4	4052	1949	16	1560	144	0.049	0.126	<0.010	0.047	0.829	0.194	<1.8	11		
		21.09.2023		During	6.5	7.81		6	40	6183	6	4752	1990	28	2110	160	0.053	0.143	<0.010	0.054	0.905	0.198	2	13		
13	Vadannadurai	15.09.2023	Surface Water	Pre	6.5	7.93	<2.0	16	392	392	1	272	85	4	130	28	0.024	0.115	<0.010	0.023	0.19	0.192	<1.8	2		
		21.09.2023		During	6.8	8.04		2	24	436	3	296	90	10	180	32	0.032	0.127	<0.010	0.026	0.196	0.195	<1.8	2		
14	dhobikanal	16.09.2023	Surface Water	Pre	6.1	6.92		3	16	151	<1.0	92	15	10	30	12	0.078	0.012	<0.010	0.049	0.191	0.133	<1.8	18		
		25.09.2023		During	5.9	7.78		4	32	273	2	172	20	16	90	24	0.08	0.026	<0.010	0.052	0.108	0.143	3.7	17		
15	Chinnalapatty	21.09.2023	Surface Water	Pre	6	7.08		2	24	1703	3	1076	225	4	530	28	0.046	0.058	<0.010	0.026	0.126	0.122	3.7	27		
		26.09.2023		During	6.2	7.22		2	16	1820	3.44	1108	250	8	560	36	0.064	0.091	<0.010	0.043	0.148	0.141	3.6	26		

INERENCE: There is no marked difference in the sampled location over the Dindigul sight with reference to Preimmersion and Post Immersion that indicates pollution due to immersion of idol.

ES  
10/11/23  
Priyanka.k.

10/11/23  
DCSO (LAB W)

DEPUTY DIRECTOR (LABS)  
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Chennai-600 032.  
DD (LABS)

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol Immersion activity during Ganesh  
 Thaturthi - 2023

District : Erode

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters														Heavy Metals, µg/L										Micro Biological, MPN/100 ml	
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Arsenic	Copper	Chromium Total	Manganese	Lead	Zinc	Iron	Nickel	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml				
1	Varasathi Vinayagar temple at Salhyamangala	15.09.2023	River	Pre	6.9	7.88	<2	8	172	1.44	168	37	4	64	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.123	<0.1	14	22				
		22.09.2023		During	6.6	7.26	<2	8	292	5.83	254	42	4	76	20	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.1810	<0.1	20	47				
		29.09.2023		Post	7	6.42	<2	8	191	1.54	128	25	4	68	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.186	<0.1	12	21				
		15.09.2023		Pre	7	8.14	<2	8	439	2.12	312	42	4	164	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.287	<0.1	20	39				
2	Thadapalli canal	22.09.2023	River	During	6.8	7.92	<2	8	535	4.4	464	66	6	188	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.099	<0.1	9.2	24				
		29.09.2023		Post	7	8.14	<2	8	365	4.18	268	50	4	136	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.188	<0.1	6.8	14				
		15.09.2023		Pre	7	7.97	<2	8	167	1.06	112	33	6	72	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.228	<0.1	17	39				
		22.09.2023		During	6.7	7.41	<2	16	182	3.45	168	48	6	120	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.093	<0.1	11	21				
3	Scyyampalayam	29.09.2023	River	Post	6.8	7.6	3	16	212	2.96	114	25	2	80	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.103	<0.1	9.1	4				
		15.09.2023		Pre	7	8.19	<2	8	196	1.48	88	23	4	80	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.446	<0.1	17	32				
		22.09.2023		During	6.8	7.99	3	16	223	5.9	164	48	4	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.117	<0.1	12	24				
		29.09.2023		Post	7.1	7.67	2	16	236	2.38	102	30	2	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.215	<0.1	12	24				
4	Nanjai Puliappatti - River Bhavani	29.09.2023	River	Pre	7.1	8.34	<2	8	254	1.55	108	28	6	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.458	<0.1	20	47				
		15.09.2023		During	6.9	7.95	<2	16	288	6.51	180	36	8	120	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.263	<0.1	17	32				
		22.09.2023		Post	7	7.96	<2	8	254	2.6	98	30	4	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.101	<0.1	7.8	14				
		29.09.2023		Pre	7	8.46	<2	8	273	1.48	112	37	6	96	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.158	<0.1	11	26				
5	Athani - River Bhavani	22.09.2023	River	During	6.6	7.98	<2	16	299	6.99	162	42	10	148	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		15.09.2023		Post	6.9	8.33	<2	8	272	2.32	128	35	6	108	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		22.09.2023		Pre	6.6	7.98	<2	16	299	6.99	162	42	10	148	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		29.09.2023		During	6.9	8.33	<2	8	272	2.32	128	35	6	108	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
6	Padaguthurai - River Bhavani	22.09.2023	River	During	6.6	7.98	<2	16	299	6.99	162	42	10	148	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		15.09.2023		Post	6.9	8.33	<2	8	272	2.32	128	35	6	108	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		22.09.2023		Pre	6.6	7.98	<2	16	299	6.99	162	42	10	148	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				
		29.09.2023		During	6.9	8.33	<2	8	272	2.32	128	35	6	108	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.111	<0.1	9.2	17				

Analysis results (Physio-Chemical and Bacteriological Parameter) of different water bodies over Tamil Nadu State monitored during pre- and post-Idol immersion activity during Ganesh Chaturthi - 2023

District : Erode

S.No	Sampling Location	Date of sampling	Type of water body	Pre/ Post immersion sampling	General Parameters													Heavy Metals, µg/L										Micro Biological, MPN/100 ml	
					DO (mg/L)	pH	BOD (mg/L)	COD (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Total Suspended Solids (mg/L)	Total Hardness (mg/L)	Total Alkalinity (mg/L)	Cadmium	Arsenic	Copper	Chromium Total	Manganese	Lead	Zinc	Iron	Nickel	Fecal Coliform MPN/100ml	Total Coliform MPN/100ml			
7	Perunthaiyur - River Bhavani	15.09.2023	River	Pre	7.2	8.43	<2	8	232	1.65	60	37	8	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.268	<0.1	6.8	12			
		22.09.2023		During	7	7.95	<2	16	257	5.8	108	54	8	136	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.299	<0.1	17	24			
		29.09.2023		Post	7	8.14	2	8	267	2.63	58	20	4	96	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.245	<0.1	11	17			
8	Kooduthurai	15.09.2023	River	Pre	7	8.46	<2	8	292	0.82	120	28	2	116	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.377	<0.1	4.5	24			
		22.09.2023		During	6.7	8.31	<2	24	319	2.28	214	45	4	192	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.38	<0.1	12	34			
		29.09.2023		Post	6.8	8.15	3	16	344	1.34	204	45	6	124	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.211	<0.1	6.8	12			
9	Pallipalayam	15.09.2023	River	Pre	6.8	7.79	<2	8	397	0.71	126	56	2	124	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.239	<0.1	9.3	21			
		22.09.2023		During	6.3	7.57	<2	8	419	6.82	308	81	8	140	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.217	<0.1	13	33			
		29.09.2023		Post	6.5	7.72	3	8	431	0.8	176	40	2	100	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.095	<0.1	6.8	21			
10	Mannathampalay am Modakurichi	15.09.2023	River	Pre	6.5	8.13	<2	8	327	0.9	162	37	4	120	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.062	<0.1	14	33			
		22.09.2023		During	6	7.78		24	365	2.71	286	69	4	164	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.096	<0.1	17	39			
		29.09.2023		Post	6.2	7.76	2	16	390	0.89	160	40	4	124	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.057	<0.1	14	21			
11	Magudeswarar temple - Kodumudi	15.09.2023	River	Pre	6.7	8.24	<2	8	336	1.16	150	42	2	120	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.882	<0.1	12	24			
		22.09.2023		During	6.1	8.07	<2	8	389	2.74	280	75	4	166	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.882	<0.1	17	32			
		29.09.2023		Post	6.5	7.86	<2	16	396	2.17	186	35	4	128	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.664	<0.1	11	26			
12	Thalamalai Road - Thalavadi	15.09.2023	River	Pre	6.9	8.06	<2	8	167	0.94	82	23	2	80	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.056	<0.1	6.8	12			
		22.09.2023		During	6.2	7.40	<2	8	188	1.79	154	45	4	88	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.07	<0.1	12	20			
		29.09.2023		Post	6.8	7.91	<2	8	173	1.67	106	25	2	64	10	<0.05	<0.01	<0.1	<0.05	<0.1	<0.3	<0.03	0.065	<0.1	9.3	17			

INFERENCE: There is no marked difference in the sampled location over the Erode sight, with reference to Preimmersion and Post Immersion, that indicates pollution due to immersion of idol.

ES  
10/11/23  
Paiyanka-K

DESQ (P.W.M)  
10/11/23

DEPUTY DIRECTOR (LABS)  
Tamilnadu Pollution Control Board,  
76, Mount Satai, Guindy,  
DD Chennai-600 032.



**BEFORE THE NATIONAL GREEN  
TRIBUNAL, SOUTHERN ZONE  
AT CHENNAI**

**ORIGINAL APPLICATION NO. 135 of 2023**

Hariharan,  
Chennai

....Applicant

-Vs-

The District Collector,  
Tiruvallur and others.

**REPORT FILED ON BEHALF OF THE  
39<sup>th</sup> RESPONDENTS - TAMIL NADU  
POLLUTION CONTROL BOARD**

**Advocate for Respondents:  
Thiru.Sai Sathyajith,  
Chennai**

**Dated: 27.11.2023**

**Date of hearing:28.11.2023**