

**BEFORE THE HON"BLE NATIONAL GREEN TRIBUNAL,
SOUTHERN ZONE, CHENNAI
Original Application No.135 of 2023**

Hariharan
Chennai.

...Applicant

-Vs-

The District Collector,
First Floor,
Collectorate,
Thiruvallur and 39 Others.

...Respondents

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**Advocate
Thiru.S. Sai Sathya Jith,
Advocate, Chennai.**

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**COMPLIANCE REPORT FILED ON BEHALF OF THE THIRTY
NINETH REPENDENT - TAMIL NADU POLLUTION CONTROL
BOARD.**

I, S.Palanisamy, Son of Thiru.S.Santhappan, aged about 59 years, having office at No.76, Mount Salai, Guindy, Chennai 600 032, do hereby solemnly affirm and sincerely state as follows:

1. I submit that I am working as the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai and I am authorized to file this compliance report on behalf of the Thirty-ninth respondent, (TNPCB) and as such I am well acquainted with the facts of the case available from our office records.
2. It is respectfully submitted that as per the direction of the Hon'ble National Green Tribunal, (SZ), Chennai dated 23.09.2024, the Compliance report is submitted as follows:

I. Water Quality Monitoring by TNPCB

- i. As per the CPCB Revised Guidelines for Idol immersion water samples were collected by the officials of TNPCB in the notified


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places for idol immersion on Pre immersion, during immersion & Post-immersion.

- ii. Totally water samples were collected in 321 locations in 34 districts of Tamil Nadu. The details are as below,

Water Bodies	No.of Sample points
River	133
Lakes	37
Ponds	61
Others	90
Total	321

Water samples are analysed in the Laboratories of TNPCB and the overall impact on water bodies due idol immersion are as follows,

- a. pH, a quantitative parameter of how acidic/basic water is, irrespective of idol immersion remained within the water quality standards of Lakes , rivers and Coastal waters.

Pre-/During-/Post- Immersion	pH Range
Pre- Immersion	6.1 - 9.31
During- Immersion	6.18 - 9.33
Post- Immersion	6.11 - 9.24

- b. In majority of samples a general decrease in the Dissolved Oxygen concentration have been noticed indicating depletion of oxygen which can be confirmed with increased values of Biological Oxygen Demand affirming that organic load got increased due to idol immersion.

Pre-/During-/Post- Immersion	DO Range (mg/L)
Pre- Immersion	5.4 – 8.2
During- Immersion	1.3 – 9.5
Post- Immersion	Nil -8.4

Pre-/During-/Post- Immersion	BOD Range (mg/L)


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Pre- Immersion	<2 - 18
During- Immersion	<2 - 26
Post- Immersion	<2 - 22

- c. Heavy Metals Concentrations generally comply with the prescribed limits as per CPCB standards with the exception of Lead which marginally exceeds the prescribed limit.
- d. Changes in water Quality parameters appears to be slightly higher in lakes, Ponds, tanks and pits than river water due to natural dilution and continuous flow of water.
- e. Coastal water samples showed negligible changes.

II. Action taken by District Offices of TNPCB

- a. Inspections were carried out idol manufacturing and selling locations by TNPCB officials at the district level and awareness created among the Idol manufactures to use only the natural, biodegradable, and eco-friendly materials for idol production. A total of 214 inspections were carried out by the district offices of TNPCB. Among these, 8 instances of violations were identified, and appropriate actions were taken by the Revenue Officials to seal the sites.
- b. Press releases were issued in co-ordination with the District Administration in News Papers regarding eco friendly celebration of Vinayagar Chathurthi Festival and to immerse idol only in the notified places as announced by the District Administration.
- c. District Collectors have conducted meeting with the Local Bodies, Police Officials and other Stakeholders and issued instructions for the safe immersion of Vinayagar Idols in the specified locations as per the Guidelines laid by the Government of Tamil Nadu vide G.O.M.S.No.598 dated: 09.08.2018 for installation, worship of Vinayagar idols and immersion thereof and CPCB Revised Guidelines on Idol Immersion, 2020.


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

S.P. Palanisamy
19/12/24
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD
No.76, MOUNT SALAI, GUINDY,
CHENNAI-600 032.

VERIFICATION

I, S.Palanisamy, Son of Thiru.S.Santhappan, working as Joint Chief Environmental Engineer, TNPCB, having office at No.76, Mount Salai, Guindy, Chennai 600 032, do hereby verify that the contents of above Compliance report are true to the best of my knowledge through records.

S.P. Palanisamy
19/12/24
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD
No.76, MOUNT SALAI, GUINDY,
CHENNAI-600 032.



Report on
Water Quality across Tamil Nadu
Pre -, During & Post - Idol Immersion on
Vinayagar Chaturthi
2024





VINAYAGAR CHATHURTHI

In India, as a part of widely celebrated Vinayagar Chathurthi festival, it has been a tradition to immerse Vinayagar idols which are worshipped by devotees in water bodies like lakes, ponds, rivers, estuaries, open coastal beaches, wells etc. The immersion of idols concerns in terms of environmental impact of water pollution as the ingredients of the idols made of Plaster of Paris does not completely dissolve in water and leads to environmental pollution. Also, toxic paints used in decorating the idols containing heavy metals like mercury, lead, cadmium, Iron seeps into the water as the idol dissolves. It increases the acid content, Total Dissolved solids (TDS) and heavy metals in water thereby altering the quality of water, damaging ecosystem under water and also leading to bio-accumulation. The idols can also block natural flowing of water, causing its stagnation and further, the decorative materials resurfaces and floats atop the water body resulting in eutrophication. It is therefore very important to celebrate the festival of immersion idol by giving importance being mindful of the need for environment protection and also prevention and control of pollution.

In pursuance to the directions of Hon'ble High Court, Central Pollution Control Board (CPCB) evolved the Guidelines for immersion of idols and other puja materials reaching in the water bodies during festival. These guidelines have been prepared with a view to ensure environmental friendly idol immersion without affecting the quality of water bodies while ensuring religious observance. These guidelines emphasize the need for restriction on single use plastic materials for making idols, use of naturally occurring colors for coloring idols, imposing restrictions on size of the idol, construction of temporary synthetic lined ponds of adequate capacity, etc.

In this regard, it is directed to the State Pollution Control Boards having statutory powers under the Water (Prevention of Pollution) Control Act, 1974 and the Environment (Protection) Act, 1986 to give directions to implement the guidelines issued by the Central Pollution Control Board. And to conduct water quality assessment of the water bodies pre-immersion, during immersion and post-immersion on the basis of prescribed parameters.

Accordingly, in the State of Tamil Nadu, Tamil Nadu Pollution Control Board collected water samples from various water bodies across the State to oversee and monitor water quality and assess the impact of idol immersion activity during Vinayagar Chaturthi- 2024. Inorganic, metals and parameters were analyzed to evaluate the water quality. The reports received from Advanced Environmental Labs (AELs) - Cuddalore, Madurai, Salem Trichy, Tirunelveli and Vellore, District Environmental Labs (DELs) - Dindigul, Hosur, Manali, Nagapattinam, Perundurai and Thoothukudi were compiled and the overall inferences and conclusion were drawn.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu										District: Chennai				
Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										Heavy Metals				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Near Kasimdu fishing Harbour	Sea Coast	Pre	04.09.2024	6.3	7.91	6	<0.0008	0.047	<0.05	0.083	<0.015	<0.0015	-
			During	16.09.2024	3.3	8.18	9	0.088	0.065	<0.05	0.044	0.395	<0.0015	-
			Post	20.09.2024	5.9	7.98	7	0.093	0.094	<0.05	0.046	0.347	0.054	-
2	Ramakrishna Nagar at Ennore	Sea Coast	Pre	05.09.2024	6.2	8.34	7	<0.0008	0.047	<0.05	0.08	<0.015	<0.0015	0.12
			During	15.09.2024	6	8.78	9	0.021	0.077	<0.05	0.026	0.246	<0.0015	0.43
			Post	18.09.2024	5.9	7.91	7	0.105	0.048	<0.05	0.039	0.398	0.088	0.25
3	Behind the unit of universal carbandrum at Thiruvotiyur	Sea Coast	Pre	05.09.2024	6.2	8.25	6	<0.0008	0.051	<0.05	0.096	<0.015	<0.0015	0.18
			During	15.09.2024	6.2	8.83	7	0.031	0.086	<0.05	0.018	0.334	<0.0015	0.55
			Post	18.09.2024	6.2	8.05	7	0.086	0.048	<0.05	0.036	0.357	0.059	0.4
4	Behind popular weighbridge at Thiruvotiyur	Sea Coast	Pre	05.09.2024	6.1	8.52	6	<0.0008	0.042	<0.05	0.085	<0.015	0.02	0.12
			During	15.09.2024	5.8	8.34	8	0.026	0.082	<0.05	0.034	0.363	<0.0015	0.25
			Post	18.09.2024	6.5	7.71	5	0.086	0.072	<0.05	0.039	0.315	0.059	0.127
5	Srinivasapuram at Pattinapakkam	Sea Coast	Pre	06.09.2024	6.1	8.2	5	<0.0008	0.028	<0.05	NA	<0.015	<0.0015	-
			During	11.09.2024	5.4	7.89	9	0.085	0.065	<0.05	0.034	0.363	<0.0015	-
			Post	18.09.2024	5.9	7.78	8	0.062	0.024	<0.05	0.036	0.315	0.059	-
6	Palkalai Nagar at Neelankarai	Sea Coast	Pre	06.03.2024	6.3	8.6	5	<0.0008	0.042	<0.05	NA	<0.015	<0.0015	-
			During	11.09.2024	5.6	8.35	9	0.065	0.07	<0.05	0.021	0.266	<0.0015	-
			Post	18.09.2024	6.1	8.39	9	0.093	0.082	<0.05	0.039	0.364	0.063	-



Chennai

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ A discernible pattern of declining dissolved oxygen levels, concomitant with a rise of BOD values is observed during idol immersion periods.
- ▶ Elevated Concentration of Cadmium, Lead and Iron has been observed at the sampled stations.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024											District: Coimbatore-North				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Heavy Metals				
											Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)	
1	Thekkampatty Bhathirakaliyamm an Temple	River water	Pre	09-06-24	7.8	6.98	2	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	09-09-24	6.2	8.13	3	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			Post	16/09/2024	6.9	7.61	2	<0.0008	0.0462	<0.05	<0.01	0.0246	0.0516	<0.05	
2	Meitupalayam Subramaniyar Kovil	River water	Pre	09-06-24	8.1	7.45	2	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	09-09-24	6.0	8.35	4	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			Post	16/09/2024	7.4	7.50	2	<0.0008	0.0189	<0.05	<0.01	<0.015	0.0333	<0.05	
3	Elagampalayam	River water	Pre	09-06-24	7.9	7.27	2	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	09-09-24	7.0	7.99	5	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			Post	16/09/2024	7.4	7.14	4	<0.0008	0.0896	<0.05	<0.01	<0.015	0.0292	<0.05	
4	Sirumugai - Pazhathottam	River water	Pre	09-06-24	7.6	7.12	4	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	09-09-24	6.6	7.37	2	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			Post	16/09/2024	7.0	7.14	2	<0.0008	0.0771	<0.05	<0.01	<0.015	0.0440	0.312	
5	Vellakinar	River water	Pre	09-06-24	5.6	7.78	6	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	09-09-24	5.0	7.62	12	<0.0008	<0.0015	<0.05	<0.01	<0.015	<0.0015	0.602	
			Post	16/09/2024	3.8	6.29	12	<0.0008	0.0786	<0.05	<0.01	<0.015	0.0588	0.667	



Coimbatore - North

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ Dissolved oxygen levels in the water bodies exhibit a predictable pattern of decline during immersion and recovery afterward, demonstrating its resilience.
- ▶ The majority of heavy metal concentrations were found to be below the detection limit with the exception of a marginal increase in Iron concentrations at Sirumugai -Pazhathottam and Vellakinar sites and lead and Zinc at other few sites.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										District: Coimbatore-South				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Heavy Metals						
								Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Nadumalai River	River water	Pre	05-09-2024	7.5	7.43	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	15/09/2024	6.6	6.93	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	16/09/2024	7.2	6.76	2	<0.0008	0.0313	<0.05	<0.001	<0.015	<0.0015	0.401
2	Mayiladuthurai River	River water	Pre	05-09-2024	8.6	8.22	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	6.9	8.27	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	12-09-2024	8	7.89	3	<0.0008	0.0812	<0.05	<0.001	<0.015	<0.0015	0.473
3	Kaliyappagounde nputur	River water	Pre	05-09-2024	7.9	8.36	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	07-09-2024	6.1	8.50	3	<0.0008	0.0092	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	12-09-2024	7.3	8.20	2	<0.0008	0.0120	<0.05	<0.001	<0.015	<0.0015	0.344
4	Anaimalai Upparu	River water	Pre	05-09-2024	7.8	8.39	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	08-09-2024	6.9	7.70	3	<0.0008	0.0241	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	12-09-2024	7.3	8.17	3	<0.0008	0.0644	<0.05	<0.001	<0.015	<0.0015	0.387
5	Ambarampalayam	River water	Pre	05-09-2024	8.2	8.47	3	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	08-09-2024	7	8.38	4	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	12-09-2024	7.6	8.33	3	<0.0008	0.0594	<0.05	<0.001	<0.015	<0.0015	0.549
6	PAP Canal, Kedimedu	River water	Pre	05-09-2024	7.8	8.72	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	6.6	8.02	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	12-09-2024	7.2	7.66	2	<0.0008	0.0599	<0.05	<0.001	<0.015	0.0938	0.581
7	Singanallur	Lake	Pre	06-09-2024	5.8	8.73	16	<0.0008	0.0216	<0.05	0.0318	<0.015	0.0928	<0.05
			During	09-09-2024	5.1	8.75	22	<0.0008	0.1962	<0.05	0.0836	<0.015	0.1024	0.667
			Post	16/09/2024	5.2	8.94	18	<0.0008	0.2884	<0.05	0.1193	<0.015	0.1442	0.796
8	Muthannan Lake	Lake	Pre	06-09-2024	6.1	8.52	10	<0.0008	0.0928	<0.05	<0.001	<0.015	0.1416	<0.05
			During	11-09-2024	5.5	7.90	12	<0.0008	0.6400	<0.05	0.1184	<0.015	0.2249	0.710
			Post	16/09/2024	5.9	7.70	12	<0.0008	0.8801	<0.05	0.1024	<0.015	0.9235	0.882
9	Nagarajapuram Lake	Lake	Pre	06-09-2024	5.7	7.49	2	<0.0008	0.1044	<0.05	0.1363	<0.015	0.1235	<0.05
			During	09-09-2024	5.6	7.45	3	<0.0008	0.1645	<0.05	0.1777	<0.015	0.1366	0.764
			Post	16/09/2024	6.0	7.18	3	<0.0008	0.2869	<0.05	0.1992	<0.015	0.2339	0.904
10	Sadivayal	River water	Pre	06-09-2024	6.2	7.38	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	6.0	7.45	3	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	16/09/2024	6.4	7.34	3	<0.0008	0.0754	<0.05	0.0626	<0.015	0.0962	0.419

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										District: Coimbatore-South				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	Physio-Chemical Parameters			Heavy Metals						
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
11	Thondamuthur Chithirai Chawadi	River water	Pre	06-09-2024	6.9	7.85	3	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	6.3	7.89	6	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			Post	16/09/2024	6.9	7.69	4	<0.0008	0.0354	<0.05	<0.001	<0.015	0.0666	0.494
12	Kuniyamuthur Lake	Lake	Pre	06-09-2024	6.2	7.28	4	<0.0008	0.0641	<0.05	<0.001	<0.015	0.1482	<0.05
			During	09-09-2024	5.6	7.52	12	<0.0008	0.0746	<0.05	0.1223	<0.015	0.3645	0.602
			Post	16/09/2024	6.7	7.41	6	<0.0008	0.0969	<0.05	0.1786	<0.015	0.6874	0.710
13	Kuruchi Lake	River water	Pre	06-09-2024	6.9	7.27	12	<0.0008	0.2418	<0.05	0.0262	<0.015	0.1087	<0.05
			During	09-09-2024	5.7	8.20	14	<0.0008	0.2884	<0.05	0.0745	<0.015	0.1966	0.667
			Post	13/09/2024	6.6	7.56	12	<0.0008	0.2994	<0.05	0.0990	<0.015	0.1551	0.732
14	Walayar DAM	River water	Pre	06-09-2024	7.0	7.80	2	<0.0008	0.1094	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	6.6	8.32	3	<0.0008	0.1268	<0.05	0.0230	<0.015	0.1162	<0.05
			Post	13/09/2024	7.4	7.72	2	<0.0008	0.1888	<0.05	0.0068	<0.015	0.2323	0.731
15	PAP, Sulthanpettai	River water	Pre	06-09-2024	6.9	8.63	2	<0.0008	<0.0015	<0.05	<0.001	<0.015	<0.0015	<0.05
			During	09-09-2024	5.9	8.08	2	<0.0008	<0.0015	<0.05	0.0914	<0.015	0.1462	<0.05
			Post	11-09-2024	6.6	8.42	2	<0.0008	0.0388	<0.05	<0.001	<0.015	0.2263	0.452
16	Noyyal, Ravuthur Privu	River water	Pre	06-09-2024	6.2	7.85	6	<0.0008	0.1457	<0.05	0.0846	<0.015	0.0987	<0.05
			During	09-09-2024	5.8	7.84	8	<0.0008	0.1998	<0.05	0.0996	<0.015	0.2119	0.494
			Post	11-09-2024	6.5	7.52	6	<0.0008	0.2996	<0.05	0.1336	<0.015	0.1293	0.570
17	Achankulam Lake, Neelambur	Lake	Pre	06-09-2024	7.1	8.26	6	<0.0008	0.1099	<0.05	0.0662	<0.015	0.1994	<0.05
			During	09-09-2024	5.8	8.51	8	<0.0008	0.1446	<0.05	0.0999	<0.015	0.1555	0.731
			Post	11-09-2024	5.3	8.24	8	<0.0008	0.1998	<0.05	0.0914	<0.015	0.2293	0.796

Coimbatore - South

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ Dissolved oxygen levels in the water bodies exhibit a predictable pattern of decline during immersion and recovery afterward, demonstrating its resilience.
- ▶ Heavy Metals concentration follows a noticeable pattern in different phases as marginal change in copper, zinc and iron concentrations.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										District: Cuddalore				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date						Heavy Metals				
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Cuddalore silver beach	Sea	Pre	03.09.24	7.1	7.82	3.2	0.011	0.031	<0.05	<0.01	0.05	0.041	<0.05
			During	09.09.24	6.6	7.42	4	0.09	<0.0015	<0.05	<0.01	0.052	<0.015	<0.05
			Post	13.09.24	5.6	7.91	5.6	0.011	0.047	0.062	0.032	0.062	0.035	0.062
2	Rasapettai road bridge	Sea	Pre	03.09.24	7.6	7.8	2.8	0.01	0.03	<0.05	0.01	0.03	0.06	<0.05
			During	09.09.24	6.8	7.72	3.8	0.011	0.032	<0.05	<0.01	0.032	<0.015	<0.05
			Post	13.09.24	5.6	7.75	6.8	0.014	0.055	0.035	0.035	0.059	0.041	0.068
3	Samiyapettai beach	Sea	Pre	03.09.24	7.3	7.74	3.4	0.009	0.021	<0.05	0.01	0.021	0.01	<0.05
			During	09.09.24	6.5	7.8	5.2	0.015	0.025	<0.05	<0.01	0.035	0.021	<0.05
			Post	13.09.24	5.2	7.79	8.6	0.01	0.032	0.061	0.032	0.07	0.025	0.071
4	Vallambadugai road bridge	Sea	Pre	03.09.24	7	7.75	2.8	0.012	0.029	<0.05	<0.02	<0.015	0.01	<0.05
			During	09.09.24	6.58	7.76	3.8	0.013	0.033	<0.05	<0.02	<0.015	0.01	<0.05
			Post	13.09.24	5	7.51	6.2	0.023	0.041	0.065	0.035	0.081	0.032	0.62
5	bhuvanagiri road bridge	River	Pre	03.09.24	6.6	7.94	3.2	0.011	0.031	<0.05	<0.01	0.03	0.01	<0.05
			During	09.09.24	6.7	7.84	4.2	0.011	0.031	<0.05	<0.01	0.05	<0.015	<0.05
			Post	13.09.24	5.1	7.53	4.8	0.012	0.053	0.062	0.032	0.086	0.016	0.71
6	Ma.kudikadu lake	Lake	Pre	06.09.24	7.3	8.04	2.2	0.009	0.011	<0.05	<0.01	0.04	<0.015	<0.05
			During	09.09.24	6.9	7.89	3	0.009	0.013	<0.05	<0.01	0.04	0.05	<0.05
			Post	13.09.24	5.1	7.84	5	0.0241	0.029	0.061	0.032	0.083	0.08	0.071
7	Thandavankuppam lake	Lake	Pre	06.09.24	7.6	7.78	2.6	0.009	0.014	<0.05	<0.01	0.04	<0.015	<0.05
			During	09.09.24	7.6	7.1	2	0.009	0.017	<0.05	<0.01	0.04	<0.015	<0.05
			Post	13.09.24	5	7.15	2.8	0.009	0.026	0.059	0.036	0.079	0.021	0.062
8	Nalavadu sea	Sea	Pre	06.09.24	6.8	7.85	3.8	0.009	0.011	<0.05	<0.01	0.05	<0.015	<0.05
			During	09.09.24	6.6	7.49	5.6	0.009	0.014	<0.05	<0.01	0.04	<0.015	0.05
			Post	13.09.24	5.6	7.9	7.2	0.014	0.017	0.071	0.034	0.082	0.043	0.0583
9	Periyakuppam sea	Sea	Pre	06.09.24	6.8	7.75	4.8	0.008	0.021	<0.05	<0.01	0.034	<0.015	<0.05
			During	09.09.24	6.7	7.81	4.6	0.01	0.025	<0.05	<0.01	0.043	0.03	<0.05
			Post	13.09.24	5	7.8	8.2	0.023	0.033	0.062	0.055	0.055	0.043	0.061
10	C.pudhupetai sea	Sea	Pre	06.09.24	6.9	7.86	5.6	0.008	0.021	<0.05	<0.01	<0.015	<0.015	<0.05
			During	09.09.24	6	7.76	8	0.009	0.026	<0.05	<0.01	<0.015	0.081	<0.05
			Post	13.09.24	5.1	7.78	8.6	0.012	0.029	0.061	0.051	0.081	0.085	0.063
11	Veeranallur	Lake	Pre	06.09.24	7.6	7.93	<2	0.008	<0.0015	<0.05	<0.01	<0.015	<0.015	<0.05
			During	09.09.24	7.5	7.96	<2	0.0213	<0.0015	<0.05	<0.01	<0.015	<0.015	<0.05
			Post	13.09.24	5.1	7.89	<2	0.252	0.041	0.072	0.045	0.091	0.052	0.078
12	Kumara odappu vaikaal	River	Pre	06.09.24	7.5	7.76	<2	0.008	<0.0015	<0.05	<0.01	<0.015	<0.015	<0.05
			During	09.09.24	7.6	8.03	<2	0.008	<0.0015	<0.05	<0.01	<0.015	<0.015	<0.05
			Post	13.09.24	6.2	7.94	2.6	0.231	0.052	0.062	0.054	0.092	0.062	0.075



Cuddalore

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ A discernible pattern of declining dissolved oxygen levels, concomitant with a rise of BOD values is observed during idol immersion periods.
- ▶ Marginal change in the concentration of heavy metals has been observed in Post immersion samples.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024											District: Dindigul			
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Heavy Metals						
								Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)
1	Plani Shanmuganathi	River	Pre	30.08.2024	6.6	7.22	3	0.008	0.084	<0.05	0.064	0.136	0.178	0.23
			During	14.09.2024	6.5	7.31	3	0.008	0.086	<0.05	0.071	0.138	0.182	0.241
			Post	18.09.2024	6.3	7.55	4	0.01	0.089	<0.05	0.083	0.143	0.194	0.253
2	Oddanchatram - Thalakuthu Falls	Pond	Pre	30.08.2024	6.4	7.21	5	0.006	0.062	<0.05	0.052	0.056	0.098	0.176
			During	08.09.2024	6.3	7.18	6	0.007	0.063	<0.05	0.064	0.064	0.102	0.18
			Post	14.09.2024	6	7.48	6	0.009	0.068	<0.05	0.073	0.072	0.124	0.192
3	Thadicombu Kudaganaru River	River	Pre	30.08.2024	6.5	7.43	4	0.005	0.114	<0.05	0.068	0.784	0.187	0.126
			During	10.09.2024	6.4	7.48	4	0.006	0.118	<0.05	0.072	0.812	0.192	0.134
			Post	12.09.2024	6.1	7.67	5	0.009	0.124	<0.05	0.083	0.819	0.198	0.138
4	Vedasandur Kudaganaru River	River	Pre	30.08.2024	6.2	7.99	6	0.006	0.148	<0.05	0.074	0.624	0.172	0.158
			During	10.09.2024	5.8	7.91	5	0.006	0.151	<0.05	0.075	0.628	0.178	0.162
			Post	12.09.2024	5.6	8.2	6	0.008	0.158	<0.05	0.083	0.63	0.186	0.174
5	Vadamadurai - Nariparai	Surface water	Pre	30.08.2024	6.6	7.14	3	0.004	0.136	<0.05	0.082	0.184	1.193	0.173
			During	08.09.2024	6.4	7.27	4	0.017	0.142	<0.05	0.084	0.186	0.198	0.176
			Post	12.09.2024	6.3	7.31	4	0.009	0.159	<0.05	0.091	0.194	0.206	0.185
6	Shanarpatty - Mathanakulam	Pond	Pre	30.08.2024	6.8	6.77	5	0.005	0.148	<0.05	0.097	0.098	0.076	0.134
			During	10.09.2024	6.4	7.08	5	0.006	0.153	<0.05	0.101	0.105	0.081	0.143
			Post	13.09.2024	6	7.17	6	0.008	0.164	<0.05	0.119	0.12	0.102	0.154
7	Natham - Ammankulam	Pond	Pre	30.08.2024	7	6.76	3	0.005	0.095	<0.05	0.071	0.094	0.165	0.218
			During	08.09.2024	6.8	6.93	4	0.007	0.103	<0.05	0.082	0.103	0.176	0.216
			Post	13.09.2024	3.5	7.22	16	0.009	0.124	<0.05	0.094	0.108	0.18	0.243
8	PattiveeranPatty - Marudhanathi Dam	Dam	Pre	30.08.2024	6.5	7.29	2	0.007	0.064	<0.05	0.036	0.168	0.152	0.098
			During	08.09.2024	6.4	7.13	3	0.01	0.071	<0.05	0.043	0.172	0.163	0.104
			Post	13.09.2024	6	6.88	3	0.012	0.082	<0.05	0.08	0.184	0.174	0.126
9	Kannapatty River - Batalagundu	River	Pre	30.08.2024	6.7	6.74	3	0.006	0.053	<0.05	0.027	0.172	0.163	0.087
			During	08.09.2024	6.5	6.83	4	0.014	0.062	<0.05	0.036	0.182	0.171	0.098
			Post	13.09.2024	6.2	6.7	4	0.017	0.074	<0.05	0.042	0.186	0.18	0.124
10	Eriodu - Karumparai - Nanthwakulam	Pond	Pre	03.09.2024	6.9	7.2	3	0.062	0.098	<0.05	0.078	0.085	0.174	0.268
			During	08.09.2024	6.6	7.31	4	0.072	0.106	<0.05	0.078	0.094	0.179	0.269
			Post	12.09.2024	6.3	7.43	4	0.075	0.119	<0.05	0.084	0.107	0.187	0.278

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										District: Dindigul				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	Heavy Metals									
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)
11	Gujiliamparai - R.Kombai Bangalamedu Kulam	Pond	Pre	03.09.2024	6.4	7.29	4	0.004	0.108	<0.05	0.082	0.016	0.124	0.11
			During	09.09.2024	6.1	7.34	4	0.007	0.11	<0.05	0.086	0.019	0.13	0.114
			Post	12.09.2024	5.9	7.42	5	0.014	0.128	<0.05	0.102	0.043	0.148	0.132
12	Nilakottai - Anaipatty vaigai rivar	River	Pre	04.09.2024	7.1	7.82	2	0.005	0.124	<0.05	0.121	0.088	0.107	0.206
			During	08.09.2024	6.7	8.03	3	0.006	0.129	<0.05	0.126	0.09	0.112	0.21
			Post	13.09.2024	6.3	8.16	3	0.017	0.136	<0.05	0.134	0.103	0.131	0.226
13	Chinnalapati - Thommankulam	Pond	Pre	08.09.2024	6.7	7.41	3	0.005	0.167	<0.05	0.048	0.136	0.142	0.172
			During	08.09.2024	6.5	7.55	4	0.008	0.172	<0.05	0.052	0.142	0.147	0.214
			Post	13.09.2024	6.4	7.59	5	0.016	0.183	<0.05	0.064	0.158	0.153	0.228
14	Kannivadi - Machakulam	Pond	Pre	08.09.2024	6.8	7.5	3	0.006	0.071	<0.05	0.076	0.141	0.153	0.183
			During	09.09.2024	6.4	7.63	4	0.007	0.082	<0.05	0.081	0.152	0.156	0.186
			Post	13.09.2024	6.2	7.88	4	0.011	0.094	<0.05	0.092	0.174	0.168	0.206
15	Reddiyarchatram - Mangarai Kulam	Pond	Pre	08.09.2024	6.2	7.17	10	0.004	0.092	<0.05	0.078	0.152	0.178	0.208
			During	08.09.2024	6	7.55	10	0.006	0.096	<0.05	0.079	0.161	0.182	0.21
			Post	13.09.2024	5.7	7.59	12	0.012	0.114	<0.05	0.086	0.174	0.194	0.214
16	Kodaikanal - Dhobikanal	Surface Water	Pre	09.09.2024	6.7	6.48	3	0.004	0.076	<0.05	0.083	0.024	0.045	0.116
			During	09.09.2024	6.4	6.37	4	0.006	0.084	<0.05	0.084	0.048	0.054	0.118
			Post	16.09.2024	6	6.11	4	0.014	0.096	<0.05	0.086	0.071	0.061	0.143
17	Dindigul - Kottaikulam	Pond	Pre	10.09.2024	Nil	7.71	15	0.004	0.072	<0.05	0.084	0.022	0.034	0.106
			During	10.09.2024	6.3	7.58	4	0.007	0.074	<0.05	0.089	0.035	0.042	0.11
			Post	16.09.2024	Nil	6.95	22	0.024	0.432	<0.05	0.126	0.686	0.524	0.832

Dindigul

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ For a sampling station named Dindigul - Kottaikulam, Dissolve oxygen is found to be NIL, and BOD 22 similarly marginal increase in Lead concentration has also been observed.
- ▶ The majority of heavy metal concentrations were found to be below the detection limit with the exception of a marginal increase in Iron concentrations at Sirumugai -Pazhathottam and Vellakinar sites and lead and Zinc at other few sites.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu											District: Erode				
Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024											Heavy Metals				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)	
1	Varasathi Vinayagar Temple at River Bhavani, Sathyamangalam	River	Pre	03.09.2024	7.3	6.98	2.1	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	0.713	
			During	12.09.2024	6.4	6.95	2.6	<0.0028	<0.0045	<0.05	<0.01	0.034	0.106	0.309	
			Post	19.09.2024	6.8	6.61	2.7	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	
2	Thadapalli Canal, Gobichetipalayam	Canal	Pre	03.09.2024	6.6	7.02	2.6	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	12.09.2024	5.4	7.5	2.9	<0.0028	<0.0045	<0.05	<0.01	0.017	0.0151	0.206	
			Post	19.09.2024	5.9	7.08	2.6	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	
3	Kooduthurai	River	Pre	03.09.2024	5.3	7.57	2.6	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	0.092	
			During	13.09.2024	4.6	7.13	2.8	<0.0028	<0.0045	<0.05	<0.01	<0.015	0.098	0.36	
			Post	19.09.2024	4.8	7.75	2.7	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	
4	Erode-Palipalayam Bridge over River Cauvery	River	Pre	03.09.2024	4.8	7.35	2.6	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	
			During	13.09.2024	4.3	7.38	2.9	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	0.069	
			Post	19.09.2024	4.4	7.29	2.7	<0.0028	<0.0045	<0.05	<0.01	<0.015	<0.0015	<0.05	



Erode

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ Majority of Heavy metals concentration were observed to be below the detection limit.
- ▶ The DO and BOD values exhibit a consistent trend across the pre-, during and post-immersion phases highlighting its impact as increased organic matter in the water body.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024							District: Krishnagiri				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	Heavy Metals						
					DO (mg/L)	pH	BOD (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Lead (mg/L)	Zinc (mg/L)
1	KRP Dam	River	Pre	5.9.2024	6.6	7.39	7	0.007	<0.05	<0.015	0.173
			During	11.9.2024	6.1	7.82	5	0.173	<0.05	0.041	0.437
			Post	18.9.2024	6.3	7.88	4	0.371	<0.05	0.074	0.371
2	Thennpennai River at Kaveripattinam	River	Pre	5.9.2024	6.5	7.46	3	<0.0015	<0.05	<0.015	0.275
			During	11.9.2024	6.1	7.74	4	<0.0015	<0.05	<0.015	0.482
			Post	18.9.2024	6.7	7.78	3	0.117	<0.05	0.017	0.417
3	Devarajan Lake at Denkanikottai	Lake	Pre	5.9.2024	6.2	7.7	5	0.047	<0.05	<0.015	<0.0015
			During	10.9.2024	5.8	7.28	5	0.199	<0.05	0.038	0.07
			Post	17.9.2024	5.8	7.35	5	0.331	<0.05	<0.015	0.714
4	Pettariyasamy tank at Denkanikottai	Lake	Pre	5.9.2024	6.3	7.92	4	<0.0015	<0.05	<0.015	0.049
			During	10.9.2024	6.4	7.3	6	0.107	<0.05	0.016	0.334
			Post	17.9.2024	5.7	7.38	4	0.106	<0.05	<0.015	0.172
5	Thally Lake	Lake	Pre	5.9.2024	6.1	7.72	2	<0.0015	<0.05	<0.015	0.081
			During	10.9.2024	5.5	7.33	3	0.082	<0.05	0.065	0.437
			Post	17.9.2024	5.9	7.28	2	0.076	<0.05	<0.015	0.378
6	Gowamma Tank at Mathakondapalli	Lake	Pre	5.9.2024	6	7.38	3	0.047	<0.05	<0.015	0.339
			During	11.9.2024	6.1	7.38	4	0.017	<0.05	<0.015	0.417
			Post	18.9.2024	5.8	7.64	5	0.371	<0.05	<0.015	0.447
7	Panchapalli Dam	River	Pre	5.9.2024	6.6	7.73	4	<0.0015	<0.05	<0.015	0.049
			During	11.9.2024	6.3	7.46	4	0.171	<0.05	<0.015	0.077
			Post	18.9.2024	6.3	7.5	2	0.078	<0.05	0.074	0.119
8	Pachakulam Tank Hosur town	Lake	Pre	4.9.2024	5.1	7.18	12	0.049	<0.05	<0.015	0.017
			During	10.9.2024	5.4	7.48	3	0.211	<0.05	<0.015	0.045
			Post	17.9.2024	3.9	6.75	18	0.049	<0.05	<0.015	0.045



Krishnagiri

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ A discernible pattern of declining dissolved oxygen levels, concomitant with a rise of BOD values is observed during idol immersion periods.
- ▶ Elevated Concentration of Copper has been observed at the sampled stations.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										District: Madurai				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Heavy Metals						
								Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Othakadai Thirumohur Kanmoi	Pond	Pre	03.09.2024	6.2	8.21	3	0.004	0.028	<0.05	0.023	0.071	0.023	<0.05
			During	10.09.2024	1.2	7.52	12	0.013	0.080	<0.05	0.029	0.218	0.022	<0.05
			Post	12.09.2024	4	7.46	12	0.023	0.029	<0.05	0.011	0.025	0.023	<0.05
2	Kottampatti - Kovil Teppakulam	Artificial Ponds	Pre	03.09.2024	6	8.33	3	0.009	0.031	<0.05	0.014	0.093	0.029	<0.05
			During	10.09.2024	2	8.78	11	0.014	0.074	<0.05	0.030	0.232	0.024	<0.05
			Post	12.09.2024	5.4	8.18	3	0.028	0.026	<0.05	0.010	0.199	0.020	<0.05
3	Mankatti Teppakulam	Artificial Ponds	Pre	03.09.2024	2	8.20	8	0.007	0.029	<0.05	0.028	0.126	0.025	<0.05
			During	10.09.2024	3	7.62	13	0.014	0.080	<0.05	0.030	0.238	0.023	<0.05
			Post	12.09.2024	5.4	7.68	8	0.018	0.024	<0.05	0.010	0.186	0.021	<0.05
4	Kumaram Kanmoi Vadipatti	Pond	Pre	03.09.2024	9.2	8.14	6	0.007	0.037	<0.05	0.014	0.134	0.027	<0.05
			During	10.09.2024	6	7.39	12	0.013	0.085	<0.05	0.030	0.230	0.021	<0.05
			Post	12.09.2024	10.2	7.53	4	0.022	0.032	<0.05	0.012	0.217	0.024	<0.05
5	Vadipatti Ayyanar Kovil Oorani (Ayyankottai)	Pond	Pre	03.09.2024	5.8	8.12	3	0.007	0.031	<0.05	0.012	0.140	0.026	<0.05
			During	10.09.2024	2	8.39	9	0.011	0.074	<0.05	0.028	0.217	0.019	<0.05
			Post	12.09.2024	8.4	8.02	5	0.021	0.026	<0.05	0.010	0.219	0.020	<0.05
6	Ayanpapakudi Kanmoi Avaniyapuram	Pond	Pre	04.09.2024	7	7.48	3	0.011	0.038	<0.05	0.006	0.195	0.034	<0.05
			During	10.09.2024	9	8.34	3	0.011	0.074	<0.05	0.017	0.217	0.023	<0.05
			Post	12.09.2024	6.4	7.88	6	0.018	0.032	<0.05	0.012	0.186	0.028	<0.05
7	Sevathikulam Kanmoi Thirupparankundram	Pond	Pre	04.09.2024	8	7.81	4	0.007	0.042	<0.05	0.008	0.207	0.070	<0.05
			During	10.09.2024	3	8.03	12	0.013	0.073	<0.05	0.020	0.022	0.021	<0.05
			Post	12.09.2024	4	7.84	12	0.022	0.022	<0.05	0.013	0.198	0.026	<0.05
8	Kundaru Seengulam Kanmoi Thirumangalam	Pond	Pre	04.09.2024	7	7.38	5	0.008	0.040	<0.05	0.011	0.204	0.056	<0.05
			During	09.09.2024	2	7.53	9	0.010	0.054	<0.05	0.030	0.143	0.016	<0.05
			Post	15.09.2024	8	7.01	8	0.012	0.018	<0.05	0.004	0.196	0.024	<0.05
9	Usilampatti Matharai Kanmoi Usilampatti	Pond	Pre	04.09.2024	5.8	9.10	3	0.012	0.043	<0.05	0.016	0.214	0.037	<0.05
			During	11.09.2024	5	7.67	12	0.010	0.064	<0.05	0.016	0.194	0.023	<0.05
			Post	12.09.2024	5	7.78	14	0.014	0.027	<0.05	0.009	0.028	0.022	<0.05
10	Subramania samy Kovil Kulam Peraliyur	Artificial Ponds	Pre	04.09.2024	7	8.07	2	0.010	0.035	<0.05	0.017	0.237	0.036	<0.05
			During	11.09.2024	2	8.52	8	0.011	0.048	<0.05	0.017	0.197	0.022	<0.05
			Post	12.09.2024	2.7	7.52	8	0.015	0.024	<0.05	0.011	0.199	0.025	<0.05
11	Vaigai Thaikkalpalam	River	Pre	06.09.2024	5.2	7.80	8	0.013	0.042	<0.05	0.016	0.294	0.034	<0.05
			During	09.09.2024	1.3	7.73	18	0.009	0.052	<0.05	0.025	0.154	0.013	<0.05
			Post	12.09.2024	4.6	7.66	11	0.019	0.025	<0.05	0.008	0.192	0.027	<0.05



Madurai

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ Dissolved oxygen levels in the water bodies exhibit a predictable pattern of decline during immersion and recovery afterward, demonstrating its resilience.
- ▶ No appreciable changes were detected in heavy metals concentrations, with the exception of a marginal increase in lead levels.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu											District: Nagapattinam				
Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayar Chathurthi - 2024											Heavy Metals				
Sl. No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)	
1	River vettar mouth at Nagapattinam	River	Pre	06.09.2024	7.3	7.8	4	0.09	0.88	0.306	<0.01	<0.05	0.278	0.997	
			During	09.09.2024	7	8.7	5	0.052	0.966	0.754	0.024	0.384	0.363	2.612	
			Post	12.09.2024	7.4	8.76	4	0.029	0.526	0.05	<0.01	0.079	0.351	1.78	
2	New beach at Nagapattinam	Beach	Pre	06.09.2024	7.1	7.77	2	0.121	0.589	0.604	0.042	0.14	0.363	1.603	
			During	09.09.2024	6.4	8.08	3	0.141	0.914	1.575	0.064	0.628	0.413	2.461	
			Post	12.09.2024	7.1	8.39	2	0.138	0.697	1.276	0.042	0.14	0.286	1.897	
3	Tharangambadi-Poraiyar beach	Beach	Pre	06.09.2024	7.4	8.05	4	<0.002	0.594	<0.02	0.046	0.14	0.34	<0.02	
			During	11.09.2024	6.9	8.36	5	0.038	0.982	0.828	0.046	0.628	0.45	1.965	
			Post	15.09.2024	7.3	7.88	4	<0.002	0.766	<0.02	<0.01	0.384	0.428	1.578	
4	Cauvery River at Mayiladuthurai	River	Pre	06.09.2024	6.6	8.68	3	<0.002	0.582	<0.02	<0.01	<0.05	0.178	1.149	
			During	11.09.2024	6.1	8.43	4	0.034	0.64	0.082	<0.01	0.14	0.269	1.659	
			Post	15.09.2024	5.9	8.52	3	<0.002	0.582	<0.02	<0.01	<0.05	0.244	1.322	
5	Uppanar River at Sirkali	River	Pre	06.09.2024	7.2	8.17	4	<0.002	0.657	<0.02	<0.01	<0.05	0.28	0.363	
			During	11.09.2024	6.9	8.21	6	<0.002	0.789	<0.02	<0.01	<0.05	0.283	0.813	
			Post	15.09.2024	7.1	8.18	4	<0.002	0.725	<0.02	<0.01	<0.05	0.245	0.521	
6	Sea shore and Cauvery River meeting point at Poombukar	Sea shore & River meeting point	Pre	06.09.2024	6.9	7.94	4	0.124	0.566	<0.02	<0.01	<0.05	0.266	1.62	
			During	11.09.2024	6.7	8.08	5	0.148	0.686	<0.02	0.055	0.062	0.269	1.92	
			Post	15.09.2024	6.7	8.02	5	0.136	0.629	<0.02	<0.01	<0.05	0.224	1.86	



Nagapattinam

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ A discernible pattern of declining dissolved oxygen levels, concomitant with a rise of BOD values is observed during idol immersion periods.
- ▶ Heavy Metals concentration has been found to be following a consistent trend across the pre-,during and post-idol immersion.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										District: Salem				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Heavy Metals				
										Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Kalvadankam	River	Pre	04.09.24	5.9	7.65	<2	<0.02	<0.0015	<0.05	<0.01	<0.015	0.0918	<0.05
			During	10.09.24	5.6	7.83	<2	<0.02	<0.0015	<0.05	<0.01	0.1241	0.2742	<0.05
			Post	12.09.24	5.4	7.69	2.1	<0.02	<0.0015	<0.05	<0.01	0.0898	0.1264	<0.05
2	Kuppanur	River	Pre	04.09.24	5.7	7.96	2.1	<0.02	0.0478	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.6	7.55	2.4	<0.02	0.1069	<0.05	<0.01	0.1438	0.0622	<0.05
			Post	12.09.24	5.6	7.35	2.4	<0.02	0.098	<0.05	<0.01	0.1008	0.1098	<0.05
3	Poolampatti Santhaipeetai	River	Pre	04.09.24	5.9	7.86	<2	<0.02	0.0675	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.8	7.54	<2	<0.02	0.101	<0.05	<0.01	0.099	0.034	<0.05
			Post	12.09.24	5.7	7.4	2.4	<0.02	0.1009	<0.05	<0.01	0.1004	0.0661	<0.05
4	Koodakal	River	Pre	04.09.24	5.6	7.85	<2	<0.02	0.0988	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.7	7.88	<2	<0.02	0.11	<0.05	<0.01	<0.015	0.0987	<0.05
			Post	12.09.24	5.5	7.59	<2	<0.02	0.1088	<0.05	<0.01	<0.015	0.0811	<0.05
5	Pillukurichi	Canal	Pre	04.09.24	5.9	7.91	<2	<0.02	0.0992	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.8	7.58	<2	<0.02	0.1881	<0.05	<0.01	<0.015	0.064	<0.05
			Post	12.09.24	5.9	7.65	<2	<0.02	0.1432	<0.05	<0.01	<0.015	0.0515	<0.05
6	Oonamparai	Canal	Pre	04.09.24	5.7	8.12	<2	<0.02	0.1866	<0.05	<0.01	0.1166	0.088	<0.05
			During	10.09.24	5.8	7.72	2.1	<0.02	0.5864	<0.05	<0.01	0.1328	0.1214	<0.05
			Post	12.09.24	5.7	7.66	2.1	<0.02	0.269	<0.05	<0.01	0.1214	0.1009	<0.05
7	Ellamadai	Canal	Pre	04.09.24	5.9	7.99	<2	<0.02	0.0543	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.8	7.98	<2	<0.02	0.1109	<0.05	<0.01	<0.015	0.079	<0.05
			Post	12.09.24	5.6	7.72	2.1	<0.02	0.1088	<0.05	<0.01	<0.015	<0.0015	<0.05
8	Sendrayaperumal Kovil	River	Pre	06.09.24	5.3	7.72	<2	<0.02	0.0644	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.4	7.65	2.4	<0.02	0.1917	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	12.09.24	5.5	7.56	2.1	<0.02	0.1122	<0.05	<0.01	<0.015	<0.0015	<0.05
9	Kaveripallam Padithurai	River	Pre	06.09.24	5.7	7.65	<2	<0.02	0.1009	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.5	7.29	4	<0.02	0.1919	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	12.09.24	5.3	7.65	<2	<0.02	0.0911	<0.05	<0.01	<0.015	<0.0015	<0.05
10	Thippamapatti	River	Pre	06.09.24	5.9	7.87	<2	<0.02	0.3026	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.7	7.74	2.7	<0.02	0.5981	<0.05	<0.01	0.6643	<0.0015	<0.05
			Post	12.09.24	5.8	7.7	2.4	<0.02	0.212	<0.05	<0.01	0.3848	<0.0015	<0.05
11	Koonandiyur	River	Pre	06.09.24	5.5	8.3	2.1	<0.02	0.1109	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.3	7.26	4.6	<0.02	0.3917	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	12.09.24	5.5	7.53	2.7	<0.02	0.1927	<0.05	<0.01	<0.015	<0.0015	<0.05

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										District: Salem				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	Physio-Chemical Parameters			Heavy Metals						
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
12	Danishpettai	Lake	Pre	06.09.24	5.8	7.68	<2	<0.02	0.0595	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.7	7.5	<2	<0.02	0.1919	<0.05	<0.01	<0.015	0.021	<0.05
			Post	12.09.24	5.7	7.38	2.1	<0.02	0.1009	<0.05	<0.01	<0.015	<0.0015	<0.05
13	Muttal	Lake	Pre	06.09.24	5.5	7.9	2.1	<0.02	0.0577	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.7	7.81	2.7	<0.02	0.1089	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.6	7.96	2.4	<0.02	0.1109	<0.05	<0.01	<0.015	<0.0015	<0.05
14	Jangamasamudhram	Lake	Pre	06.09.24	5.6	7.43	2.1	<0.02	0.061	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.4	7.84	3.6	<0.02	0.1208	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.5	8.17	2.7	<0.02	0.1095	<0.05	<0.01	<0.015	<0.0015	<0.05
15	Sentharpatti	Lake	Pre	06.09.24	5.9	8.33	<2	<0.02	0.0663	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.8	8.4	2.1	<0.02	0.2464	<0.05	<0.01	0.5971	<0.0015	<0.05
			Post	13.09.24	5.7	8.26	2.7	<0.02	0.1369	<0.05	<0.01	0.3369	<0.0015	<0.05
16	Maniyarkundam	Lake	Pre	06.09.24	5.7	8.58	2	<0.02	0.0711	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.8	8.17	2.4	<0.02	0.1235	<0.05	<0.01	0.1669	<0.0015	<0.05
			Post	13.09.24	5.7	8.19	2.4	<0.02	0.108	<0.05	<0.01	0.1872	<0.0015	<0.05
17	Mookaneri	Lake	Pre	06.09.24	5.7	8.01	2.4	<0.02	0.0625	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.4	8.54	3.3	<0.02	0.099	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.5	8.12	2.4	<0.02	0.0977	<0.05	<0.01	<0.015	<0.0015	<0.05
18	Ammapet (Kumaragiri)	Lake	Pre	06.09.24	5.8	8	<2	<0.02	0.102	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.5	8.2	2.4	<0.02	0.2677	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.7	8.49	<2	<0.02	0.2145	<0.05	<0.01	<0.015	<0.0015	<0.05
19	Seelanaickenpatti	Lake	Pre	06.09.24	5.8	8.24	2.4	<0.02	0.0846	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.6	8.43	<2	<0.02	0.1136	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.4	7.87	2.4	<0.02	0.1087	<0.05	<0.01	<0.015	<0.0015	<0.05
20	Anaimadivu, Vazhappady TK	Lake	Pre	06.09.24	5.8	8.08	2.7	<0.02	0.0785	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	11.09.24	5.3	7.95	3	<0.02	0.1023	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.4	8.09	4.4	<0.02	0.1106	<0.05	<0.01	<0.015	<0.0015	<0.05
21	Mohanur Near Shivan Temple	River	Pre	06.09.24	7	7.97	2.4	<0.02	0.0838	<0.05	<0.01	<0.015	<0.0015	-
			During	09.09.24	4.8	7.73	6	<0.02	0.0462	<0.05	<0.01	<0.015	0.1791	-
			Post	13.09.24	5.9	7.69	3.3	<0.02	0.1009	<0.05	<0.01	<0.015	0.108	-
22	Nagamalai Dam	Dam	Pre	04.09.24	5.8	8.6	<2	<0.02	0.0427	<0.05	<0.01	0.079	0.0074	<0.05
			During	10.09.24	5.3	7.73	3.6	<0.02	0.0638	<0.05	<0.01	0.1369	0.0288	<0.05
			Post	13.09.24	5.6	7.4	2.4	<0.02	0.0511	<0.05	<0.01	0.1124	0.0274	<0.05

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										District: Salem				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date				Heavy Metals						
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)
23	Cauvery Hogenkkal	River	Pre	04.09.24	5.9	7.99	2.7	<0.02	0.0403	<0.05	<0.01	<0.015	0.0295	<0.05
			During	10.09.24	5.9	7.91	3	<0.02	0.0714	<0.05	<0.01	<0.015	0.0681	<0.05
			Post	13.09.24	5.8	7.7	3	<0.02	0.0744	<0.05	<0.01	<0.015	0.0693	<0.05
24	Kesargulli Dam	Dam	Pre	04.09.24	5.6	8.65	3.3	<0.02	0.0433	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.2	8.29	5.2	<0.02	0.0511	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.6	7.85	4	<0.02	0.058	<0.05	<0.01	<0.015	<0.0015	<0.05
25	Chinnar Dam	Dam	Pre	04.09.24	5.9	8.34	3	<0.02	0.081	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.4	8.33	2.7	<0.02	0.1009	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.6	8.04	2.7	<0.02	0.055	<0.05	<0.01	<0.015	<0.0015	<0.05
26	Kolasanshalli	Lake	Pre	04.09.24	5.8	8.21	2.1	<0.02	0.0742	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.8	8.34	2.4	<0.02	0.1001	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.7	7.61	2.1	<0.02	0.1066	<0.05	<0.01	<0.015	<0.0015	<0.05
27	Thumbalahalli	Dam	Pre	04.09.24	5.7	8.6	3	<0.02	0.0511	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.2	8.31	4.6	<0.02	0.0879	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	13.09.24	5.3	8.25	4	<0.02	0.0617	<0.05	<0.01	<0.015	<0.0015	<0.05
28	Thenpennai	River	Pre	04.09.24	5.4	8.34	3	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.2	8.48	4.8	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.1	8.29	4.4	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05
29	K.Ichampadi Dam	Dam	Pre	04.09.24	5.4	8.61	3.6	<0.02	0.0375	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.1	8.59	3	<0.02	0.234	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.3	8.28	3.6	<0.02	0.1009	<0.05	<0.01	<0.015	<0.0015	<0.05
30	Varattaru Dam	Dam	Pre	04.09.24	5.8	8.33	3	<0.02	0.0435	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.3	8.24	3	<0.02	0.091	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.7	7.98	<2	<0.02	0.0777	<0.05	<0.01	<0.015	<0.0015	<0.05
31	Vaniyur Dam	Dam	Pre	04.09.24	5.8	8.32	2	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.6	7.68	3.9	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.7	7.88	2.1	<0.02	<0.0015	<0.05	<0.01	<0.015	<0.0015	<0.05

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										District: Salem				
Sl.No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Heavy Metals						
								Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)
32	Thoppaiyaru Dam	Dam	Pre	04.09.24	5.3	8.93	2.7	<0.02	0.0108	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.2	8.63	4.6	<0.02	0.1468	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.2	8.79	4.9	<0.02	0.091	<0.05	<0.01	<0.015	<0.0015	<0.05
33	Nagavathi Dam	Dam	Pre	04.09.24	5.9	8.79	2.7	<0.02	0.0129	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.1	8.46	3.6	<0.02	0.1224	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	14.09.24	5.2	8.59	4	<0.02	0.0917	<0.05	<0.01	<0.015	<0.0015	<0.05
34	Kumarapalayam Bridge	River	Pre	06.09.24	6.3	7.43	<2	<0.02	0.0793	<0.05	<0.01	0.061	<0.0015	<0.05
			During	10.09.24	5.4	7.74	3.6	<0.02	0.1366	<0.05	<0.01	0.3391	<0.0015	<0.05
			Post	16.09.24	6.1	8.02	2.1	<0.02	0.1089	<0.05	<0.01	0.1299	<0.0015	<0.05
35	Pallipalayam Bridge	River	Pre	06.09.24	6	7.54	<2	<0.02	0.0862	<0.05	<0.01	0.0421	<0.0015	<0.05
			During	10.09.24	5.9	7.74	2.1	<0.02	0.3087	<0.05	<0.01	0.606	<0.0015	<0.05
			Post	16.09.24	6	7.87	<2	<0.02	0.1112	<0.05	<0.01	0.2987	<0.0015	<0.05
36	Erayamangalam	River	Pre	06.09.24	6.1	7.56	<2	<0.02	0.091	<0.05	<0.01	0.0468	<0.0015	<0.05
			During	10.09.24	5.4	8.1	2.4	<0.02	0.2707	<0.05	<0.01	0.1098	<0.0015	<0.05
			Post	16.09.24	5.9	7.51	2.1	<0.02	0.1661	<0.05	<0.01	0.0901	<0.0015	<0.05
37	Paramathi Velur	River	Pre	06.09.24	5.9	7.84	2.4	<0.02	0.0537	<0.05	<0.01	<0.015	<0.0015	<0.05
			During	10.09.24	5.8	8.1	2.1	<0.02	0.059	<0.05	<0.01	<0.015	<0.0015	<0.05
			Post	16.09.24	5.7	7.82	2.4	<0.02	0.0444	<0.05	<0.01	<0.015	<0.0015	<0.05

Salem

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ The majority of heavy metal concentrations were found to be below the detection limit with the exception of a marginal increase in Copper and lead levels.
- ▶ The DO and BOD values exhibit a consistent trend across the pre-, during and post-idol immersion phases indicating its impact as rise in organic load.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu										District: Thoothukudi				
Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024										Heavy Metals				
Sl. No	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Vembar	Sea Coast	Pre	05.09.2024	5.9	7.85	2.52	<0.0008	<0.0015	<0.05	0.142	<0.015	0.038	0.3
			During	10.09.2024	5.7	7.73	2.68	<0.0008	<0.0015	<0.05	0.17	<0.015	<0.015	0.3
			Post	16.09.2024	5.8	7.85	2.57	<0.0008	<0.0015	<0.05	0.161	<0.015	<0.015	0.6
2	Thirespuram	Sea Coast	Pre	05.09.2024	5.7	7.98	2.84	<0.0008	<0.0015	<0.05	0.227	<0.015	<0.015	0.7
			During	15.09.2024	5.6	7.82	2.95	0.01	<0.0015	<0.05	0.301	<0.015	<0.015	0.9
			Post	16.09.2024	5.7	7.91	2.86	<0.0008	<0.0015	<0.05	0.276	<0.015	<0.015	0.8
3	Muthiyapuram	Sea Coast	Pre	05.09.2024	6	7.97	2.68	<0.0008	<0.0015	<0.05	0.112	<0.015	<0.015	0.2
			During	15.09.2024	5.9	7.76	2.8	0.009	<0.0015	<0.05	0.148	<0.015	<0.015	0.4
			Post	16.09.2024	6.1	7.85	2.72	<0.0008	<0.0015	<0.05	0.178	<0.015	<0.015	0.5
4	Tiruchendur	Sea Coast	Pre	05.09.2024	6.2	7.94	2.6	<0.0008	<0.0015	<0.05	0.068	<0.015	<0.015	0.2
			During	12.09.2024	6	7.84	2.68	<0.0008	<0.0015	<0.05	0.098	<0.015	<0.015	0.5
			Post	16.09.2024	6.3	7.81	2.62	<0.0008	<0.0015	<0.05	0.051	<0.015	<0.015	0.4
5	Kulasekara pattinam	Sea Coast	Pre	05.09.2024	6.4	7.97	2.4	<0.0008	<0.0015	<0.05	0.112	<0.015	<0.015	0.2
			During	10.09.2024	6.2	7.82	2.51	<0.0008	<0.0015	<0.05	0.247	<0.015	<0.015	0.5
			Post	16.09.2024	6.6	7.9	2.44	<0.0008	<0.0015	<0.05	0.202	<0.015	<0.015	0.4



Thoothukudi

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ The majority of heavy metal concentrations were found to be below the detection limit with the exception of a marginal increase in Manganese and Iron levels.
- ▶ A predictable trend in DO and BOD values is observed before, during and after idol immersion indicating its impact with a rise in organic load.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024										District: Tirunelveli					
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Heavy Metals					
										Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron(mg/L)	
1	Karukurichi	Pond	Pre	05.09.2024	7.1	6.17	4	<0.008	0.028	<0.05	<0.1	<0.015	0.034	0.053	
			During	08.09.2024	5.9	8.25	10	<0.008	0.036	<0.05	<0.1	<0.015	0.047	0.072	
			Post	16.09.2024	6.8	6.94	6	<0.008	0.031	<0.05	<0.1	<0.015	0.039	0.061	
2	Vagaikulam	Pond	Pre	05.09.2024	6.9	6.78	4	<0.008	0.031	<0.05	<0.1	<0.015	0.042	0.043	
			During	15.09.2024	5.7	8.17	9	<0.008	0.043	<0.05	<0.1	<0.015	0.065	0.068	
			Post	16.09.2024	6.6	6.83	6	<0.008	0.039	<0.05	<0.1	<0.015	0.051	0.054	
3	Uvari sea	Sea Coast	Pre	06.09.2024	6.2	7.75	3	<0.008	0.052	<0.05	<0.1	<0.015	0.061	0.031	
			During	15.09.2024	5.3	8.8	8	<0.008	0.086	<0.05	<0.1	<0.015	0.093	0.064	
			Post	16.09.2024	6	8.16	6	<0.008	0.064	<0.05	<0.1	<0.015	0.078	0.056	
4	Thillivanam thoppu	Sea Coast	Pre	06.09.2024	6.6	7.77	4	<0.008	0.059	<0.05	<0.1	<0.015	0.068	0.048	
			During	15.09.2024	4.8	8.17	12	<0.008	0.081	<0.05	<0.1	<0.015	0.087	0.067	
			Post	16.09.2024	6.3	8.09	6	<0.008	0.075	<0.05	<0.1	<0.015	0.072	0.059	
5	Chettikulam	Sea Coast	Pre	06.09.2024	6.5	7.86	3	<0.008	0.078	<0.05	<0.1	<0.015	0.083	0.044	
			During	15.09.2024	5.3	8.05	9	<0.008	0.089	<0.05	<0.1	<0.015	0.095	0.062	
			Post	16.09.2024	6.2	8.06	5	<0.008	0.084	<0.05	<0.1	<0.015	0.089	0.053	
6	Temporary pond near peratchi amman kovil	Artificial ponds	Pre	08.09.2024	6.8	7.58	6	<0.008	0.038	<0.05	<0.1	<0.015	0.041	0.024	
			During	08.09.2024	5.2	7.6	13	<0.008	0.067	<0.05	<0.1	<0.015	0.079	0.045	
			Post	10.09.2024	6.4	7.52	9	<0.008	0.043	<0.05	<0.1	<0.015	0.052	0.035	



Tirunelveli

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ A discernible pattern of declining dissolved oxygen levels, concomitant with a rise of BOD values is observed during idol immersion periods.
- ▶ A definite pattern of elevated copper, zinc and Iron concentrations were observed during and subsequent to idol immersion periods.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024											District: Trichy			
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Heavy Metals						
								Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	River Cauvery Iyyalamman Padithurai	River	Pre	03.9.24	6.9	7.51	2.6	0.048	0.156	<0.05	0.040	<0.015	0.012	0.114
			During	09.9.24	6.2	7.68	8.2	0.054	0.180	<0.05	0.048	0.086	0.048	0.187
			Post	12.9.24	6.7	7.2	3.0	0.051	0.163	<0.05	0.045	<0.015	0.018	0.124
2	Pond Manikandam	Pond	Pre	03.9.24	6.4	7.63	4.0	0.062	0.100	<0.05	<0.01	<0.015	0.072	0.096
			During	09.9.24	6.0	7.7	4.6	0.069	0.129	<0.05	<0.01	0.024	0.081	0.123
			Post	12.08.24	6.2	7.18	4.1	0.065	0.420	<0.05	<0.01	<0.015	0.078	0.136
3	Uyyankonan vaikkai Somarasampettai	Canal	Pre	03.9.24	6.2	7.5	3.0	0.075	0.065	<0.05	<0.01	<0.015	0.086	0.102
			During	09.09.24	6.1	7.88	4.8	0.081	0.140	<0.05	<0.01	0.041	0.116	0.148
			Post	12.9.24	6.2	7.29	3.8	0.076	0.072	<0.05	<0.010	0.024	0.092	0.136
4	River Cauvery Jeeyapuram	River	Pre	03.9.24	8.0	7.7	2.6	0.076	0.024	<0.05	<0.01	<0.015	<0.0015	0.034
			During	09.9.24	6.0	7.65	3.1	0.081	0.032	<0.05	<0.01	0.018	0.010	0.068
			Post	12.9.24	7.8	7.42	2.8	0.068	0.026	<0.05	<0.01	<0.015	<0.0015	0.038
5	River Cauvery Pettavaithalai	River	Pre	03.9.24	5.9	7.74	3.3	0.063	0.101	<0.05	<0.01	<0.015	0.082	0.087
			During	9.9.24	5.6	7.85	5.0	0.073	0.140	<0.05	<0.01	<0.015	0.096	0.136
			Post	12.9.24	6.0	7.28	4.4	0.067	0.112	<0.05	<0.010	<0.015	0.088	0.096
6	River Cauvery Thiruengoi malai	River	Pre	03.9.24	7.5	7.9	2.3	0.077	0.024	<0.05	<0.01	0.046	<0.0015	0.078
			During	9.9.24	7.2	7.64	4.6	0.092	0.040	<0.05	<0.01	0.132	0.016	1.102
			Post	12.9.24	7.6	7.33	4.2	0.080	0.030	<0.05	<0.01	0.052	0.033	0.088
7	River Cauvery kattuputhur	River	Pre	03.9.24	5.6	7.88	2.8	0.054	0.134	<0.05	<0.01	<0.015	0.088	0.091
			During	9.9.24	5.5	7.59	3.0	0.060	0.144	<0.05	<0.01	<0.015	0.102	0.180
			Post	12.09.24	5.6	7.47	2.9	0.058	0.138	<0.05	<0.10	<0.015	0.092	0.104
8	River Cauvery Musiri Parisalthurai	River	Pre	03.9.24	7.8	7.75	3.0	0.060	0.121	<0.05	0.018	<0.015	0.080	0.064
			During	9.9.24	7.2	7.44	3.4	0.062	0.132	<0.05	0.026	0.041	0.116	0.154
			Post	13.9.24	7.6	7.4	3.1	0.060	0.125	<0.05	0.020	<0.015	0.090	0.074
9	River Cauvery Vathalai	River	Pre	03.9.24	8.8	7.69	2.1	0.050	0.07	<0.05	0.024	<0.015	<0.0015	0.090
			During	9.9.24	7.2	7.5	3.0	0.068	0.092	<0.05	0.031	0.018	0.012	0.105
			Post	12.9.24	7.8	7.12	2.2	0.055	0.076	<0.05	0.026	<0.015	<0.0015	0.094
10	River Kollidam Thudaiyur	River	Pre	03.9.24	6.7	7.64	2.1	0.059	0.076	<0.05	0.020	<0.015	<0.0015	0.126
			During	9.9.24	6.1	7.86	3.3	0.081	0.093	<0.05	0.026	0.025	<0.0015	0.198
			Post	12.9.24	6.6	7.25	3.0	0.066	0.084	<0.05	0.023	<0.015	<0.0015	0.138
11	Manapparai Pothamattupatti, Mamundi River	River	Pre	04.09.24	6.0	7.74	3.0	0.041	0.12	<0.05	0.022	0.027	0.114	0.146
			During	10.9.24	5.8	7.86	3.4	0.060	0.149	<0.05	0.026	0.106	0.165	0.323
			Post	13.9.24	6.3	7.51	2.7	0.055	0.136	<0.05	0.024	0.030	0.125	0.134
12	Vaiyampatti Ponnaniyar Dam	River	Pre	04.9.24	8.2	7.2	5.7	0.046	0.185	<0.05	0.051	<0.015	0.147	1.302
			During	10.9.24	6.9	7.88	17.8	0.064	0.201	<0.05	0.072	0.101	0.162	1.564
			Post	13.9.24	8.0	7.42	10.6	0.061	0.191	<0.05	0.066	<0.015	0.156	1.316
13	Puthanatham Idaiyapatti, Idaiyapatti Pond	Pond	Pre	04.9.24	5.6	7.36	2.4	0.086	0.049	<0.05	<0.01	<0.015	0.081	1.176
			During	10.9.24	5.5	7.69	12.6	0.089	0.059	<0.05	<0.01	0.048	0.096	1.283
			Post	13.9.24	5.8	7.5	6.0	0.092	0.065	<0.05	<0.01	<0.015	0.104	1.202
14	Thuvrankurichi, Boothanayagi Amman temple Pond	Pond	Pre	04.9.24	5.6	7.11	4.3	0.085	0.034	<0.05	<0.01	0.046	0.100	0.048
			During	10.9.24	5.0	7.71	8.2	0.089	0.061	<0.05	<0.01	0.081	0.245	0.249
			Post	13.9.24	5.4	7.1	4.5	0.090	0.034	<0.05	<0.01	0.052	0.108	0.056
15	Valanadu -Valanadu Village Pond	Pond	Pre	04.9.24	5.7	7.3	13.0	0.074	0.090	<0.05	0.018	0.039	0.103	0.151
			During	10.9.24	5.2	7.04	18.0	0.085	0.096	<0.05	0.024	0.149	0.173	0.197
			Post	13.9.24	5.6	7.18	14.0	0.078	0.098	<0.05	0.020	0.043	0.110	0.160
16	Chinthamani-Cauvey River at chinthamani	River	Pre	04.09.24	7.9	7.44	3.0	0.080	0.060	<0.05	<0.01	<0.015	0.078	0.134
			During	10.9.24	6.8	7.78	4.1	0.086	0.082	<0.05	<0.01	0.038	0.091	0.416
			Post	13.9.24	8.1	7.23	3.3	0.084	0.064	<0.05	<0.01	<0.015	0.084	0.140
17	Thiruverumbur,Sarkar Playam Cauvey River	River	Pre	04.09.24	7.8	7.58	2.8	0.096	0.028	<0.05	<0.01	0.088	0.110	0.145
			During	10.9.24	6.6	7.53	3.2	0.103	0.034	<0.05	<0.01	0.115	0.141	0.386
			Post	13.9.24	8.1	7.3	2.9	0.098	0.031	<0.05	<0.01	0.096	0.116	0.150
18	Thiruverumbur, Vengoor Cauvey River	River	Pre	04.9.24	7.9	7.6	2.6	<0.0008	0.011	<0.05	<0.01	0.015	0.125	0.176
			During	10.9.24	7.0	7.6	3.2	0.096	0.020	<0.05	<0.01	0.076	0.204	0.496
			Post	13.9.24	7.7	7.59	2.9	0.081	0.131	<0.05	<0.01	0.018	0.129	0.183

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chathurthi - 2024											District: Trichy			
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Heavy Metals			
											Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
19	Lalgudi Senkaraiyur at Kollidam River	River	Pre	04.09.24	8.1	7.51	2.2	0.090	0.027	<0.05	<0.01	<0.015	0.107	0.154
			During	11.9.24	7.6	7.42	2.7	0.103	0.049	<0.05	<0.01	0.216	0.186	0.384
			Post	13.9.24	8.2	7.22	2.4	0.096	0.032	<0.05	<0.01	<0.015	0.110	0.162
20	Lalgudi ,Anbil at Kollidam River	River	Pre	04.9.24	7.6	7.69	2.2	0.107	0.037	<0.05	<0.01	0.090	0.100	0.204
			During	9.9.24	6.8	7.91	3.1	0.118	0.060	<0.05	<0.01	0.126	0.138	0.916
			Post	13.9.24	7.7	7.94	2.4	0.112	0.041	<0.05	<0.01	0.095	0.116	0.210
21	Kallakudi-Pullampadi Vaikkal	Canal	Pre	04.9.24	7.1	7.71	2.8	0.088	<0.0015	<0.05	<0.01	0.022	0.084	0.108
			During	9.9.24	6.4	7.87	4.0	0.096	0.010	<0.05	<0.01	0.102	0.093	0.695
			Post	13.09.24	7.3	7.75	3.0	0.093	<0.0015	<0.05	<0.01	0.025	0.106	0.174
22	KK Nallur, Pungai Sangenthi-Pullambadi Vaikkal	Canal	Pre	04.9.24	7.9	7.63	2.2	0.095	0.158	<0.05	<0.01	0.019	0.116	0.160
			During	9.9.24	7.2	7.7	2.6	0.100	0.160	<0.05	<0.01	0.092	0.146	0.984
			Post	13.9.24	8.0	7.69	2.4	0.099	0.165	<0.05	<0.01	0.022	0.122	0.172
23	Lalgudi, Iyyanvaikkal-kolidam River	River	Pre	04.9.24	7.7	7.92	2.1	0.050	0.163	<0.05	<0.01	<0.015	0.116	0.240
			During	9.9.24	7.2	7.57	3.8	0.066	0.171	<0.05	<0.01	0.065	0.136	0.530
			Post	13.9.24	7.9	7.44	2.6	0.051	0.170	<0.05	<0.01	0.029	0.125	0.226
24	Puliyancholai-Puliyancholai River	River	Pre	05.9.24	5.4	7.94	2.2	0.068	0.041	<0.05	<0.01	<0.015	0.103	0.213
			During	9.9.24	5.1	7.81	3.2	0.080	0.095	<0.05	<0.01	0.105	0.148	0.614
			Post	12.9.24	5.9	7.22	2.3	0.077	0.044	<0.05	<0.01	<0.015	0.011	0.220
25	Pullambadi Vaikkal Mannachanallur	Canal	Pre	05.9.24	6.1	7.16	2.2	0.088	0.042	<0.05	<0.01	<0.015	0.093	0.428
			During	9.9.24	5.5	7.93	3.0	0.091	0.080	<0.05	<0.01	0.316	0.102	0.747
			Post	12.9.24	6.2	7.19	2.4	0.092	0.046	<0.05	<0.01	<0.015	0.098	0.436
26	River Kollidam Nochiyam	River	Pre	05.9.24	7.4	7.9	2.6	0.095	<0.0015	<0.05	<0.01	<0.015	<0.0015	0.612
			During	9.9.24	6.9	7.8	2.8	0.106	0.031	<0.05	<0.01	0.315	0.019	1.016
			Post	12.9.24	7.2	7.72	2.9	0.097	<0.0015	<0.05	<0.01	<0.015	<0.0015	0.628
27	River Cauvery Srirangam City	River	Pre	05.9.24	8.1	7.63	2.5	0.056	0.179	<0.05	<0.01	<0.015	0.124	0.381
			During	9.9.24	7.6	7.99	2.9	0.062	0.200	<0.05	<0.01	0.310	0.165	0.648
			Post	12.09.24	7.9	7.35	2.7	0.060	0.184	<0.05	<0.010	<0.015	0.130	0.396
28	K.K. Nallur Pungai Sangenthi-Pond	River	Pre	04.9.24	7.8	7.29	2.1	0.054	0.207	<0.05	<0.01	0.029	0.123	0.187
			During	9.9.24	7.2	7.63	3.1	0.060	0.215	<0.05	0.010	0.096	0.140	0.581
			Post	13.9.24	7.6	7.57	2.4	0.062	0.217	<0.05	<0.010	0.035	0.130	0.198

Trichy

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ DO and BOD levels follow a noticeable pattern in pre-, during and post-idol immersion periods demonstrating its impact as organic load in the water body intensifies.
- ▶ Heavy metals concentration also follows a predictable trend in pre-, during and post-idol immersion periods with a marginal increase as per the prescribed standards.

Results of the Analysis (Physio - Chemical Parameters and Heavy Metals) of the Water bodies in Tamil Nadu Monitored - Pre, During and Post - Idol Immersion Activity During the Vinayagar Chaturthi - 2024											District: Vellore				
Sl. No.	Sampling Location	Type of Water Body	Immersion Sampling (Pre/ During/ Post)	Date	Heavy Metals										
					DO (mg/L)	pH	BOD (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Chromium Total (mg/L)	Manganese (mg/L)	Lead (mg/L)	Zinc (mg/L)	Iron (mg/L)
1	Esanodi Katpadi	Surface water	Pre	06.09.2024	6.5	7.96	3	0.007	0.031	1.61	<0.05	0.054	0.071	2.943	0.917
			During	10.09.2024	5.5	7.81	5	0.006	0.033	1.636	<0.05	0.24	0.285	2.94	0.947
			Post	12.09.2024	6.1	7	3	0.004	0.024	1.631	<0.05	0.238	0.284	2.959	0.932
2	Sadhuperi Vellore	Surface water	Pre	06.09.2024	5.4	8.84	5	0.006	0.035	1.604	<0.05	0.145	0.148	3.069	0.871
			During	10.09.2024	2.8	7.64	15	0.006	0.066	1.626	<0.05	0.147	0.251	3.073	0.873
			Post	12.09.2024	3.9	7.49	12	0.01	0.037	1.623	<0.05	0.377	0.249	3.404	0.932
3	Karugampathur Vellore	Surface water	Pre	06.09.2024	6.7	8.86	4	0.006	0.031	1.955	<0.05	0.059	0.081	3.691	0.802
			During	10.09.2024	5.7	9.09	4	0.005	0.034	1.95	<0.05	0.127	0.291	3.693	0.942
			Post	12.09.2024	5.9	8.36	5	0.005	0.032	1.98	<0.05	0.125	0.284	3.636	0.94
4	Thellur Lake Anaicut	Surface water	Pre	06.09.2024	6.8	7.25	2	0.007	0.045	1.294	<0.05	0.06	0.079	2.206	0.845
			During	10.09.2024	5.6	8.1	5	0.008	0.047	1.345	<0.05	0.195	0.273	2.581	0.843
			Post	12.09.2024	5.8	7.9	3	0.003	0.046	1.345	<0.05	0.192	0.27	2.579	0.885
5	Thangal Lake K.V.Kuppam	Surface water	Pre	06.09.2024	6.5	7	6	0.007	0.03	1.402	<0.05	0.066	0.086	2.929	1.185
			During	10.09.2024	6.2	8.03	2	0.007	0.031	1.473	<0.05	0.133	0.248	2.926	1.413
			Post	12.09.2024	6.5	7.66	2	0.004	0.044	1.472	<0.05	0.132	0.246	2.955	1.41
6	Nellorepettai, Gudiya tham	Surface water	Pre	06.09.2024	5.1	8.11	12	0.004	0.049	2.157	<0.05	0.178	0.112	4.027	1.881
			During	10.09.2024	3.1	7.72	16	0.003	0.052	2.159	<0.05	0.179	0.311	4.029	1.89
			Post	12.09.2024	3.5	7.68	10	0.007	0.049	2.206	<0.05	0.302	0.31	4.402	1.165

Vellore

- ▶ pH values at all monitoring stations has been observed to be within the permissible limits.
- ▶ The DO and BOD values exhibit a consistent trend across the pre-, during and post-idol immersion phases indicating its impact as rise in organic load.
- ▶ No appreciable changes were detected in heavy metals concentrations.

Overall Inferences / Conclusion :

As per the direction of Hon'ble NGT in O.A. No. 135 of 2023, Central Pollution Control Board has issued directions to all the State Pollution Control Boards to carry out "Water Quality Monitoring of Water Bodies on Pre- immersion, During- immersion and Post- immersion of Vinayagar idols". Accordingly Tamil Nadu Pollution Control Board has taken water samples from water bodies (Rivers, Lakes, tanks) and sea water from various districts of Tamil Nadu, where Idol immersion takes place at the time of Pre- immersion, During- immersion and Post- immersion.

Tamil Nadu Pollution Control board has Collected Water Samples from Water Bodies located across the State of Tamil Nadu.

The following inferences are drawn from the ROA of samples received from various Advanced and District Laboratories of Tamil Nadu Pollution Control Board:

1. pH, a quantitative parameter of how acidic / basic water is, irrespective of idol immersion remains pH of water bodies within the water quality standards of Lake, rivers and Coastal waters.

Pre- / During- / Post- Immersion	pH Range
Pre- Immersion	6.17 - 9.10
During- Immersion	6.37 - 9.09
Post- Immersion	6.11 - 8.94

2. Heavy Metals Concentrations generally comply with the prescribed limits as per CPCB standards, with the exception of lead, which marginally exceeds the prescribed limit.

3. In majority of samples a general decrease in the Dissolved Oxygen concentration have been noticed indicating depletion of oxygen which can be confirmed with increased values of Biological Oxygen Demand affirming that organic load got increased due to idol immersion.

Pre-/ During-/ Post- Immersion	DO Range (mg/L)
Pre- Immersion	4.8 - 10.2
During- Immersion	1.3 - 7.6
Post- Immersion	Nil - 9.2

Pre-/ During-/ Post- Immersion	BOD Range (mg/L)
Pre- Immersion	<2 - 16
During- Immersion	<2 - 22
Post- Immersion	<2 - 22

4. Changes in water quality parameters appears to be slightly higher in lakes, Ponds, tanks and pits that river water due to natural dilution and continuous flow water.
5. Coastal water samples showed negligible changes.

OUR TEAM:

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Special Thanks to

O/o District Environmental Engineers (DEEs),
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**BEFORE THE HON"BLE NATIONAL
GREEN TRIBUNAL,
SOUTHERN ZONE, CHENNAI**

Original Application No.135 of 2023

Hariharan
Chennai.

...Applicant

-Vs-

The District Collector,
First Floor,
Collectorate,
Thiruvallur and 39 Others.

...Respondents

**COMPLIANCE REPORT FILED ON
BEHALF OF THE THIRTY NINETH
REPENDENT - TAMIL NADU
POLLUTION CONTROL BOARD.**

**Advocate for Respondent: TNPCB
Thiru.Sai Sathya Jith,
Advocate, Chennai.**

Date:20.12.2024

Date of Hearing on:09.01.2025