

**BEFORE THE NATIONAL GREEN TRIBUNAL**

**SOUTHERN ZONE AT CHENNAI**

**Original Application No. 14 of 2025(SZ)**

**[Earlier O.A.No.1374 of 2024(PB)]**

Tribunal on its own motionSuo Motu based  
on the News Item Titled “Sea of Toxic Foam  
in Tamil Nadu’s Hosur After Dam Discharges  
Surplus Water” appearing in NDTV.com dated: 05.12.2024

Vs

The Tamil Nadu Pollution Control Board,  
Rep by its Member Secretary,  
No.76, Mount Salai, Guindy ,  
Chennai – 600 032. and 6 ors.

...Respondents

**INDEX**

S.No	Description	Page No.
1.	<b>REPORT FILED ON BEHALF OF THE FIRST RESPONDENT – TAMIL NADU POLLUTION CONTROL BOARD</b>	1 - 7
2	<b>Annexure I to V</b>	8 - 60



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

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

**Original Application No. 14 of 2025(SZ)  
[Earlier O.A.No.1374 of 2024(PB)]**

**IN THE MATTER OF:**

Tribunal on its own motion **SUO MOTO** based on the News Item Titled “ Sea of Toxic Foam in Tamil Nadu’s Hosur After Dam Discharges Surplus Water” appearing in NDTV.com dated: 05.12.2024.

**With**

The Tamil Nadu Pollution Control Board,  
Rep by its Member Secretary,  
No.76, Mount Salai, Guindy,  
Chennai – 600 032. and 6 ors

....Respondents.

**REPORT FILED ON BEHALF OF THE FIRST RESPONDENT –  
TAMIL NADU POLLUTION CONTROL BOARD**

I, K.Nalini, Daughter of Thiru.K.Krishnasamy, 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 report on behalf of the first and second respondent and as such I am well acquainted with the facts of the case from the records available at office.

2. It is respectfully submitted that the Hon'ble NGT (PB), on its own motion Suo Motu based on the News Item in NDTV.com dated:05.12.2024 titled “**Sea of Toxic Foam in Tamil Nadu’s Hosur After Dam Discharges Surplus Water**”.

3. It is respectfully submitted that the Hon’ble NGT (PB) in OA No.1374 of 2024 on 18.12.2024 has passed the following order:

**“ 7. Hence, we implead following as respondents in this matter:**

*Mandana*  
*Signature*  
*Date*

*Nalini*  
*21/12/25*

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

- I. *Tamil Nadu Pollution Control Board, Through its Member Secretary, No. 76, Mount Salai, Guindy, Chennai - 600032*
- II. *Central Pollution Control Board (CPCB), Through its Member Secretary, Parivesh Bhawan, East Arjun Nagar, Delhi-110032*
- III. *Ministry of Environment, Forest and Climate Change, Through its Regional Office, Integrated Regional Office, 1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road, Nungambakkam, Chennai - 600006*
- IV. *District Magistrate, Krishnagiri, Collectorate Krishnagiri*
  8. *Issue of notice to the above respondents for filing their response/reply by way of affidavit before the appropriate Bench of the Tribunal at least one week before the next date of hearing. If any respondent directly files the reply without routing it through his advocate then the said respondent will remain virtually present to assist the Tribunal.*
  9. *Since the matter relates to the Southern Zonal Bench, Chennai, therefore, OA is transferred to the Southern Zonal Bench for appropriate further action. The office is directed to transfer the original record of the OA to Southern Zonal Bench, Chennai.*
  10. *List before Southern Zonal Bench at Chennai on 10.02.2025”.*

3. It is respectfully submitted that the said OA.No.1374 of 2024 (PB) has been renumbered as OA No.14 of 2025(SZ) and the same was listed on 10.02.2025. The Hon'ble NGT(SZ) has made the following order:

*“5. Let the Additional Chief Secretary to Government -Water Resources Department, State of Tamil Nadu, Tamil Nadu Pollution Control Board (TNPCB) and the District Collector – Krishnagiri District make an inspection and file their respective reports.*

*6. Post the matter on 27.02.2025”*

*Le dhrin*  
 10/2/25  
 JOINT CHIEF ENVIRONMENTAL ENGINEER  
 TAMIL NADU POLLUTION CONTROL BOARD  
 No.76, MOUNT SALAI, GUINDY,  
 CHENNAI-600 032.

4. It is respectfully submitted that the River Thenpennai is originated in Karnataka and it passes 85 Kms in the state and it enters Tamil Nadu border through Northern side of Bangalore. The River reaches Bagalur village, Hosur Taluk, Krishnagiri District at a distance of about 4 Kms and it passes through Krishnagiri, Dharmapuri, Thiruvannamalai, Villupuram, Cuddalore Districts of about 400 Kms and finally joints to Bay of Bengal. The River Thenpennai flows and enters into the Tamil Nadu state border located at Sokkaransanpalli Village, Hosur Taluk, Krishnagiri District and the Kelavarapalli Dam, which impounds the River Thenpennai, is located approximately 8.5 kilometers away from the state boundary.

5. It is respectfully submitted that a Suo Motu case was registered by the Hon'ble Green Tribunal (SZ), Chennai vide O.A 111 of 2020 on the basis of the newspaper report published in Dinamalar, Chennai City supplement Edition dated 13.07.2020 under the caption "Frothing of Chemical Foam in the River Thenpennai", the issues alleged are large scale foam in Thenpennai River due to untreated chemical effluents discharged from Kelavarapalli Reservoir and residential sewage is also mixed with the water affecting water quality.

6. It is respectfully submitted that the Hon'ble National Green Tribunal (SZ), Chennai in its order dated 20.07.2020 had appointed a Joint Committee and issued various directions to implement the recommendations of the joint committee comprising of the following officials:

- 1) District Collector, Krishnagiri District or the Officer not below the rank of Assistant Collector, or Sub-Divisional Magistrate who is in charge of that area nominated by the District Collector.
- 2) Superintending Engineer of Public Works Department and Water Resources Organization, who is in charge of this area.
- 3) A Senior Officer from Central pollution Control Board, Regional Officer, Bangalore.
- 4) A Senior Officer deputed by the Chairman from Tamil Nadu Pollution Control Board.

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

- 5) A Senior Officer deputed by the Chairman, Karnataka State Pollution Control Board.
- 6) District Collector, Bangalore Urban District or any Officer not below the rank of Assistant Collector or a Sub-Divisional Magistrate deputed by the District Collector, Attibele, Bangalore Urban District.
- 7) Central Pollution Control Board, Regional office, Bangalore was appointed as nodal agency.

Based on the above, CPCB, Regional office, Bangalore has constituted a joint committee comprising of officials from various departments vide their OM dated 16.09.2020. Then the joint committee has studied the area and submitted a report along with recommendations including action plan and remedial measures.

7. It is respectfully submitted that subsequently, the Hon'ble National Green Tribunal (SZ), Chennai has disposed off the O.A.111/2020 on 13.07.2022 with certain directions to the stakeholders, SPCB's and also directed the Chief Secretary of two states to monitor the implementation of the recommendation given by joint committee.

8. It is respectfully submitted that as per the joint committee report in OA No.111 of 2020, most of the action plans and remedial measures were suggested to the stake holders of Karnataka state since the prime sources of pollution are located in Bangalore, Karnataka and the sewage from the Bangalore metro city both treated and untreated is being discharged into the lakes of Bellandur, Agara and Varthur and the overflow from the lakes flow into River Thenpennaiyar. The following actions plans were suggested to the Tamil Nadu Pollution Control Board.

- a. Sewage and Solid Waste Management in the villages adjoining River Thenpennai up till Kelavarapalli.
- b. Regular Water Quality Monitoring at important locations.
- c. C. Random Verification of grossly polluting (water polluting) industries located in the River Basin and Assessment of wastewater management and discharge mode.

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


9. It is respectfully submitted that as per the suggestions made by the joint committee report in OA No.111 of 2020, the action taken by the first respondent (TNPCB) is **enclosed as Annexure – 1.**

10. It is respectfully submitted that based on the Judgment passed by the Hon'ble Tribunal in OA No.111 of 2020 dated 13.7.2022, to monitor the Quality of water, the first respondent (TNPCB) has collected the water samples and analyzed from River Thenpennaiyar, at Chokarasanapalli Village, every month (**interstate Border**) for the year 2022-2023 & 2023. The following observations were made:

- a. BOD varies from 32 mg/l to 134 mg/l, total coliform varies from 1200 MPN/100ml to 20050 MPN/100ml and Fecal Coliform varies from 840 MPN/100 ml to 16520 MPN/100ml reveals which that there is a discharge of sewage/waste water in the Thenpennai River from the Karnataka State.
- b. The value of BOD, Total Coliform and Fecal Coliform were observed as 134 mg/l, 20050 MPN/100ml and 16520 MPN/100 ml respectively during collection water sample at Chokarasanapalli Village (**interstate Border**) on 26.12.2024 after the publishing of new in NDTV.Com which reveals that there is a discharge of sewage/waste water in the Thenpennai River from the Karnataka State thereby formation of frothing in the stretch of River Thenpennai. (**Consolidated ROA is enclosed in the Annexure - II**)

11. It is respectfully submitted a Personal Hearing was conducted by the JCEE(M), Vellore, TNPCB on 09.01.2024 with the officials of PWD, WRD (Pennaiyar Basin) and BDO, Hosur Panchyat Union and instructed the officials to expedite the implementation of directions issued by the Board vide Proc. Dated 03.02.2022,04.02.2022 and 09.02.2022.

12. It is respectfully submitted that further, a news item broadcasted in Sun News dated 25.10.2024 which states that in the Kelavarapallai Reservoir, there was a heavy frothing (chemical foam) which has blocked the arterial road disturbing the regular transport.

  
 JOINT CHIEF ENVIRONMENTAL ENGINEER  
 TAMIL NADU POLLUTION CONTROL BOARD  
 No.78, MOUNT SALAI, GUINDY,  
 CHENNAI-600 032.

13. It is respectfully submitted that after the news broadcast in Sun News dated 25.10.2024, the officials of CPCB, Regional Office, South Zone, has carried out inspection along with the officials of O/o. DEE, TNPCB, Hosur in the Thenpennaiyar River Stretch in Tamil Nadu Inter-State Border on 29.10.2024 and the samples were collected by the officials of Regional Office, South Zone, CPCB and sent to the DEL, TNPCB, Hosur for analysis.

14. It is respectfully submitted that the RoA of the samples collected by officials of CPCB and TNPCB on 29.10.2024 at the points of Chokkarsanapalli Entry Point, Kodiyalam Village, Upstream of Kelavarapalli Dam (Bagalur Village), Middle point near shutter No.2 of Kelavarapalli Dam and Down Stream of Kelavarapalli Dam (Near Marasandiram Village Road) in Tamil Nadu Stretch reveals that the DO level fluctuates from 1.3 mg/l to 6.1 mg/l at the Chokkarsanapalli Entry Point to Down Stream of Kelavarapalli Dam. The Total coliform level fluctuates from 241960 MPN/100ml to 19863MPN/100ml at the Chokkarsanapalli Entry Point to Down Stream of Kelavarapalli Dam and Fecal coliform level fluctuates from 98040 MPN/100ml to 10462MPN/100ml at the Chokkarsanapalli Entry Point to Down Stream of Kelavarapalli Dam. From the report, the Total and Fecal coliform at Chokkarsanapalli Entry Point reveals that there is a discharge of sewage/waste water in the Thenpennai River from the Karnataka State. **(The ROA of the samples is attached vide Annexure III).**

15. It is respectfully submitted that on 6.11.2024, the Hon'ble NGT (SZ) Chennai has reopened the OA No 111 of 2020 and directed the first respondent (TNPCB) to enquire into this incident and tracing the cause for the same with the submission of action taken report.

16. It is respectfully submitted that in compliance with the Hon'ble NGT Order dated 10.02.2025 in OA No 14 of 2025 (SZ) the Kelavarapalli Dam and River Thenpennaiyar was inspected by the officials of O/o. DEE, TNPCB, Hosur on 19.02.2025. **(Photo copy Enclosed as Annexure IV)** and observed that there is no frothing found in the river stream discharged from the Kelavarapalli Dam. However, the frothing occurred in the river stretch during the monsoon/heavy

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

rainfall days due to the presence of high level of coliform and BOD in the untreated sewage discharged into the River Thenpennai from the State of Karnataka.

17. It is respectfully submitted that the DEE, Hosur has recommended to the Board on 19.2.2025, to request CPCB for issuance of necessary directions to the stakeholders to curtail the discharge of sewage/waste water from Bangalore city through Bellandur and Varthur lake system located in the state of Karnataka in order to improve the water quality of Thenpennai River vide Letter No. DEE/TNPCB/OA No.14 of 2025/HSR/2025 dated 19.02.2025.

18. It is respectfully submitted that the Board has requested CPCB to issue necessary directions to stakeholders to curtail the discharge of sewage/waste water from Bangalore city through Bellandur and Varthur lake system located in the state of Karnataka to improve the water quality of Thenpennai River vide Letter No. T5/TNPCB/F.004258/ NGT/2025 dated 04.03.2025 (**Enclosed as Annexure – V**).

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.

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

### VERIFICATION

I, K.Nalini, Daughter of Thiru.K.Krishnasamy, working as the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai having office at No.76, Mount Salai, Guindy, Chennai 600 032, do hereby submit that the above contents are true to the best of my knowledge and belief through records.

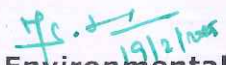
*K. Nalini*  
 JOINT CHIEF ENVIRONMENTAL ENGINEER  
 TAMIL NADU POLLUTION CONTROL BOARD  
 No.76, MOUNT SALAI, GUINDY,  
 CHENNAI-600 032.

<b>Annexure I</b>				
<b>Action Points</b>	<b>Present Status</b>	<b>Proposed Action by the Joint Committee</b>	<b>Agency Responsible (Timeline)</b>	<b>Action Taken by TNPCB</b>
Sewage and Solid Waste Management in the villages (13) adjoining River Thenpennai up till Kelavarapalli	Among the villages located near River Thenpennai, Bagalur is having population of about 11,000 and the domestic sewage generation is to be estimated about 0.0715 MLD. Further, Solid Waste generation in Bagalur is to be estimated about 1.5 Tons/day.	Feasibility study for providing Sewage Treatment options (such as oxidations ponds/ diversion channels or wetlands etc.) by TNPCB followed by implementation by Local authority of the district. Solid Waste Management Plan be devised and executed by concerned Block Development Officer, Hosur taluk to ensure the solid wastes are not disposed on the riverside and managed as per Solid Waste Management Rules, 2016.	Feasibility study by TNPCB in consultation with local authority for implementation (six months) Concerned Block Development Officer to submit to TNPCB (six months)	In order to mitigate the Thenpennai River pollution in Tamil Nadu Stretch, the Board has issued certain directions vide Proceeding dated 03.02.2022, 04.02.2022 and 09.02.2022 to the BDO, Hosur Panchayath union and the Executive Engineer, PWD, WRO (River Thenpennai Basin) respectively. Subsequently, Personal Hearing was conducted by the JCEE(M), Vellore Zone on 09.01.2024 with the officials of PWD, WRD (Pennaiyar Basin) and HosurPanchyat Union. The JCEE(M), Vellore Zone and instructed the officials of PWD, WRD (Thenpennaiyar Basin) and the BDO, Hosur Panchyat Union to expedite the implementation of directions issued by the Board vide Proc. Dated 03.02.2022,04.02.2022 and 09.02.2022.

<p>Regular Water Quality Monitoring at important locations</p>	<p>Water Quality is being monitored by KSPCB by installing real time monitoring stations in Bellandur and Varthur. Further, Mugalur bridge and sokkarasanapalli is being monitored under National Water</p>	<p>The trend of water quality and its improvement at major confluence points may be monitored for the year 2021-22 on a monthly basis and a report be submitted to CPCB to ensure the quality of water</p>	<p>TNPCB &amp; KSPCB (to monitor on yearly basis)</p>	<p>As per the joint committee recommendations in the matter of O.A.111/2020, the river water samples were collected periodically by the TNPCB at Chokkarsanapalli, Thenpennai River Entry point of Tamil Nadu (Inter-State Border). As per the primary water quality criteria prescribed by the CPCB, the Biochemical Oxygen Demand of 3mg/l or less of the water ensures reasonable freedom from oxygen demanding pollutants and prevent production of obnoxious gases. But, it is observed that the BoD level is fluctuating between the range of 32 mg/l to 134 mg/l in the consolidated Report of Analysis of the water samples collected from the year 2022-2023 to 2024-2025, which denotes that there is a significant depletion oxygen level (Dissolved Oxygen level is fluctuating between the range of 0.2 to 4.4 mg/l).</p> <p>In addition to that, it was observed that, the value of total coliform varies from 1200 MPN/100ml to 20050 MPN/100ml and Fecal Coliform varies from 840 MPN/100 ml to 16520 MPN/100ml. Hence, it is ascertained that the untreated sewage/</p>
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				waste water may contaminated the upstream of river water before enter at the Chokkarsanapalli, Thenpennai River Entry point of Tamil Nadu (Inter- State Border).
<i>Environmental Compensation be imposed by SPCBs after evaluating performance of STPs and identification of defaulters upon Random Verification.</i>	<i>Performance evaluation of STPs by BWSSB and random inspection of industries is required to be carried out by KSPCB/TNPCB with specific reference to River Thenpennai.</i>	<i>EC be calculated and imposed based on the Performance Evaluation of STPs and Random Verification of Grossly Polluting Industries. EC be calculated and imposed based on Random Verification of Grossly Polluting Industries Calculation of EC by the three member Committee comprising of CPCB, TNPCB and KSPCB, after submission of Reports by the concerned authorities (BWSSB, KSPCB, TNPCB).</i>	<i>BWSSB and KSPCB (Six months) TNPCB (Six months) CPCB (Six months on receipt of the Study Report and recommendations/criteria for imposing EC from KSPCB and TNPCB)</i>	<b>No grossly polluting (water polluting) industries are located at the River Basin of Thenpennai in Tamil Nadu Stretch.Hence, there is no discharge of sewage/trade effluent from the industries.</b>

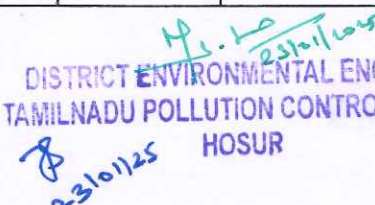
<p>Random Verification of grossly polluting (water polluting) industries located in the River Basin and Assessment of wastewater management and discharge mode.</p>	<p>The information of grossly polluting industries located in the river basin along with the status of effluent management has been compiled by KSPCB.</p>	<p>Among the industries those that are Red/Orange category (small, medium and large) with treated effluent discharge option as surface water/sewer drain/others (which includes industries having ZLD) in River basin of Thenpennai be monitored for effluent characteristics by concerned SPCBs, so as to ascertain the quality of treated effluent discharge as per the Consent Conditions of SPCBs. The details of the compliance status and action taken report be placed in public</p>	<p>TNPCB &amp; KSPCB (six months)</p>	<p><b>No grossly polluting (water polluting) industries are located at the River Basin of Thenpennai in Tamil Nadu Stretch.</b></p>
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 District Environmental Engineer  
 Tamil Nadu Pollution Control Board  
 Hosur

  
 19/12/24

Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the DEE, TNPCB, Hosur from Jan 2022 to Dec 2022

Parameter	Units	Date of Sample Collection											
		24.01.2022	22.02.2022	23.03.2022	25.04.2022	24.05.2022	29.06.2022	13.07.2022	02.08.2022	06.09.2022	11.10.2022	02.11.2022	05.12.2022
pH	Number	7.17	7.08	6.87	6.70	6.57	6.34	6.5	9.96	6.55	6.7	7.1	6.42
Total Suspended Solids	mg/l	16	14	16.0	8.0	10.0	16.0	42	12	424	42	48	58
Total Dissolved Solids	mg/l	694	730	354	350	324	330	718	1089	976	543	482	524
Chloride	mg/l	215	220	205	200	155	210	199	353	125	136	110	250
Sulphate	mg/l	125	14	22	72	147	28	27	54	44	120	32	46
Oil and Grease	mg/l	2	2	1.0*	1.0*	1.0*	-	-	-	-	-	-	-
BOD 3 days at 27°C	mg/l	9	10	28.0	23.0	6.0	16.0	32	14	15	5	4	12
COD	mg/l	48	48	80.0	48.0	72.0	32.0	360	160	66	16	32	160
Dissolved Oxygen	mg/l	2.36	0.28	0.73	0.92	1.04	1.20	1.1	6.52	4.4	4.4	6.9	7.4
Turbidity	NTU	2.31	2.32	2.34	2.31	2.34	4.00	-	8	24	-	-	15
Chlorophyll a (Sodium Absorption Ratio)	mg/l	0.88	0.89	0.87	0.88	0.89	-	-	-	-	-	-	-
Iron	mg/l	1.8	1.82	1.8	1.8	1.5	-	0.1375	0.046	0.04	0.7	1.1	0.7
Free Ammonia (NH3)	mg/l	0.07	0.08	0.08	0.08	0.10	-	-	<BDL	<BDL	<BDL	<BDL	<BDL
Conductivity	mg/l	1075	1132	1653	730	1126	1280	1483	3150	1898	1056	847	1265
<b>AEL, TNPCB, Salem</b>													
Total Coliform	MPN / 100	1200	1500	1700	2100	2200	2800	3500	1500	2800	-	-	-
Fecal Coliform	MPN / 100	----	----	840	----	----	1400	-	1300	-	-	-	-

  
 DISTRICT ENVIRONMENTAL ENGINEER  
 TAMILNADU POLLUTION CONTROL BOARD  
 HOSUR  
 23/10/25

13

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LIBRARY

**Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the DEE, TNPCB, Hosur on April 2023 to August 2023**

Sl. No.	Parameter	Units	Date of Sample Collection				
			08.04.2023	09.04.2023	01.06.2023	03.07.2023	07.08.2023
1	pH	Number	7.1	7.21	6.32	5.75	7.24
2	Total Suspended Solids	mg/l	82	60	12	104	254
3	Total Dissolved Solids	mg/l	1280	815	692	692	898
4	Chloride	mg/l	250	260	200	225	225
5	Sulphate	mg/l	90	93	120.6	190	3
6	Oil and Grease	mg/l	-	-	-	-	-
7	BOD 3 days at 27°C	mg/l	26	22	8	20	8
8	COD	mg/l	46	45	162	72	72
9	Dissolved Oxygen	mg/l	3.8	3.7	3.8	3.7	4.1
10	Turbidity	NTU	20	30	7	-	-
11	SAR (Sodium Absorption Ratio)	mg/l	-	-	-	-	-
12	Boron	mg/l	0.197	0.152	0.003	-	-
13	Free Ammonia (NH <sub>3</sub> )	mg/l	<MDL	<MDL	2	-	-
14	Conductivity	mg/l	1313	1414	-	-	-
15	TKN	mg/l	61.6	117.6	10.08	-	-
16	Ammonical Nitrogen	mg/l	32.4	30.6	8.2	-	-
17	Nitrate	mg/l	10.534	11.012	0.36	-	-
18	Phosphate	mg/l	2.7	2.36	1.038	-	-

AEL, TNPCB, Salem

15	Total Coliform	MPN / 100 ml			-		-
16	Fecal Coliform	MPN / 100 ml			-		-

  
 DISTRICT ENVIRONMENTAL ENGINEER  
 TAMILNADU POLLUTION CONTROL BOARD  
 HOSUR



**Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the DEE, TNPCB, Hosur on Jul 2024 to Dec 2024**

Parameter	Units	Date of Sample Collection				
		10.07.2024	12.08.2024	07.10.2024	08.11.2024	26.12.2024
pH	Number	6.96	6.7	7.04	7.11	7.46
Total Suspended Solids	mg/l	158	186	16	254	48
Total Dissolved Solids	mg/l	-	-	-	692	898
Chloride	mg/l	200	160	-	225	225
Sulphate	mg/l	78	8	-	190	3
Oil and Grease	mg/l	-	-	-	-	-
BOD 3 days at 27°C	mg/l	12	22	32	48	134
COD	mg/l	64	54	96	156	0.2
Dissolved Oxygen	mg/l	3.6	4.1	1.8	0.7	4.1
Turbidity	NTU	4	22	-	-	-
Lead	mg/l	<MDL	<MDL	0.018	<MDL	<MDL
Copper	mg/l	0.007	0.016	-	-	-
Nickel	mg/l	<MDL	0.131	0.212	0.572	0.358
Zinc	mg/l	<MDL	0.314	0.492	<MDL	<MDL
Boron	mg/l	-	0.012	-	-	-
Sulphide	mg/l	1.8	0.6	-	-	4
Phosphate	mg/l	2.35	1.2	1.21	1.72	21.41
Dissolved Phosphate	mg/l	-	-	0.59	0.8	8.69
Nitrite	mg/l	-	-	4.89	7.42	1.8
Nitrate	mg/l	-	-	0.64	5.78	2.2
Ammonical Nitrogen	mg/l	-	-	5.8	8.06	6.1
Iron	mg/l	-	-	2.04	0.993	20.019
Chromium	mg/l	-	-	<MDL	<MDL	<MDL
TKN	mg/l	-	-	11.4	16.04	8.9
Odour		Sulphide Smell	Rotten on egg Smell	-	-	-
Colour		Brow Furbid	Slightly Brown	-	-	-
Total Coliform	MPN/ 100ML	2025	2282	1011	11500	20050
Fecal Coliform	MPN/ 100ML	1230	1046	722	1640	16520
Total Nitrogen	mg/l	-	<MDL	-	-	-

H.C. - 18  
 23/10/25  
 DISTRICT ENVIRONMENTAL ENGINEER  
 TAMILNADU POLLUTION CONTROL BOARD  
 23/10/25  
 HOSUR



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Name of the Parameter : Phosphate

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	1.48	1.48	1.61
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	1.51	1.23	1.33
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.82	1.31	1.69
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	1.2	1.04	1.36
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	1.2	1.28	1.46

*C. G. Gurusamy*  
Deputy Chief Scientific Officer  
District Environmental Laboratory  
Tamil Nadu Pollution Control Board  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : **Dissolved Phosphate**

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	0.58	0.69	0.65
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	0.61	0.59	0.41
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.32	0.52	0.66
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	0.51	0.36	0.58
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	0.53	0.48	0.88

  
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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : Nitrate (NO<sub>3</sub>-)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	3.61	3.93	4.79
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	3.91	3.35	4.68
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	1.96	3.62	4.15
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	8.34	3.24	3.3
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	3.94	3.74	10.21

  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Nitrite (NO<sub>2</sub>)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	0.59	0.32	0.56
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	0.6	0.11	0.61
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.03	0.52	0.51
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	1.18	0.04	0.32
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	0.03	0.14	1.34

  
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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : **Ammonical Nitrogen**

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	mdl	12.3	15.1
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	7.3	7.8	7.8
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	14	6.7	6.7
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	2.2	3.4	mdl
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	mdl	mdl	mdl

  
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 Hosur – 635 126.



## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Kjeldahl Nitrogen (TKN)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	4.5	23.5	26.2
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	13.4	15.5	16.2
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	22.8	10.5	13
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur - Taluk	mg/l	3.7	6	1.7
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	2.1	2.8	3

*K. Rajan*

Deputy Chief Scientific Officer  
District Environmental Laboratory  
Tamil Nadu Pollution Control Board  
Hosur



## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Biochemical Oxygen Demand (BOD)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	25	28	32
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	30	28	28
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	30	28	32
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	31	21	21
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	22	24	20

  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : **Chemical Oxygen Demand (COD)**

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	112	120	112
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	128	88	96
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	104	128	120
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	112	88	72
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	72	72	88

  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : pH

Sl. No.	Sampling Location	Date of Sample Collected		
		29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	7.06	6.93	6.65
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	7.09	7.03	6.92
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	7.04	7.02	6.82
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	7.02	6.98	6.52
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	6.97	6.92	6.43

*(Handwritten Signature)*

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Hosur



## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Suspended Solids (TSS)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	58	62	66
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	14	22	20
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	40	36	66
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	18	16	22
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	18	26	22

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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : **Dissolved Oxygen (DO)**

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	1.3	1.6	1.5
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	1.2	1.5	1.8
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	2.6	3.1	3.3
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	4.3	4.4	4.2
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	6.1	5.7	5.8

  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Oil and Grease (O&G)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	<MDL	<MDL	<MDL
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	<MDL	<MDL	<MDL

*K. Rajan*

Deputy Chief Scientific Officer  
District Environmental Laboratory  
Tamil Nadu Pollution Control Board  
Hosur – 635 126.



## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Coliform (TC) & Fecal Coliform (FC)

Sl. No.	Sampling Location	Unit	Date of sample Collected: 4.11.2024		Date of sample Collected: 8.11.2024	
			TC	FC	TC	FC
1	Pennaiyar South ( South Pennaiyar ) / Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	MPN /100ml	241960	98040	11500	1640
2	Kodiyalam Village (Check Dam) Hosur-Taluk	MPN/ 100ml	241960	120330	9000	6400
3	Bagalur Village (Upstream Of kelavarapalli Dam ) Hosur-Taluk	MPN/ 100ml	182560	23506	13900	12400
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	MPN/ 100ml	26868	9958	**	**
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	MPN/ 100ml	19863	10462	**	**

TC: Total Coliform; FC: Fecal Coliform

\*\* Sample Not collected due to public complaint

Deputy Chief Scientific Officer  
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Hosur



**TAMIL NADU POLLUTION CONTROL BOARD**

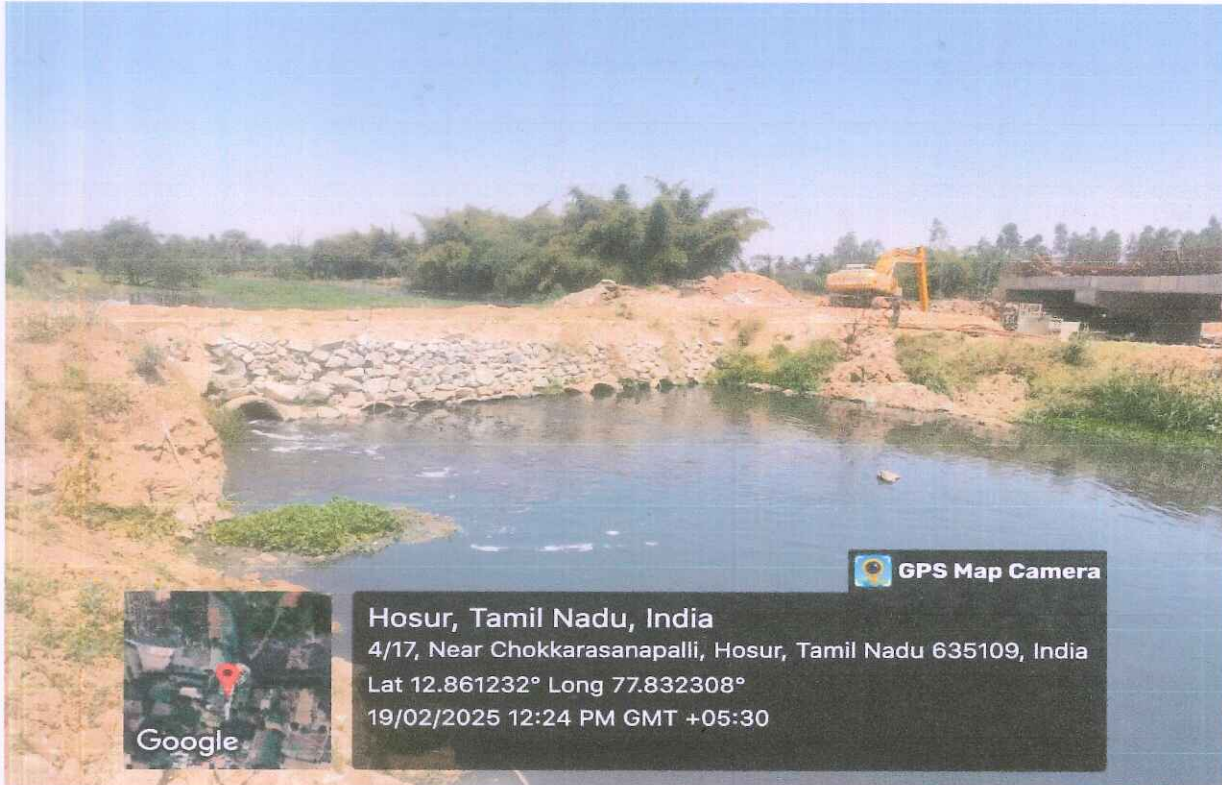
Name of the River: Pennaiyar South ( South Pennaiyar )  
Thenpennai River

Parameter : Heavy Metals								
Sl No.	Point Of collection	Date Of collection	Zinc as Zn	Iron as Fe	Chromium as Cr	Nickel as Ni	Lead as Pb	Unit
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	29.10.24	0.171	2.350	<MDL	0.206	<MDL	mg/l
		30.10.24	0.547	4.279	<MDL	0.243	<MDL	mg/l
		01.11.24	0.350	1.821	<MDL	0.331	0.151	mg/l
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	29.10.24	0.226	2.083	<MDL	0.164	0.004	mg/l
		30.10.24	0.515	2.129	<MDL	0.298	0.079	mg/l
		01.11.24	0.178	2.435	0.016	0.156	<MDL	mg/l
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	29.10.24	0.297	2.313	<MDL	0.186	<MDL	mg/l
		30.10.24	0.367	1.744	<MDL	0.317	<MDL	mg/l
		01.11.24	0.292	1.995	<MDL	0.412	<MDL	mg/l
4.	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	29.10.24	0.316	1.642	<MDL	0.157	0.041	mg/l
		30.10.24	0.319	1.650	<MDL	0.221	<MDL	mg/l
		01.11.24	0.250	1.458	<MDL	0.301	<MDL	mg/l
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	29.10.24	0.285	1.782	<MDL	0.227	<MDL	mg/l
		30.10.24	0.346	2.288	<MDL	0.223	<MDL	mg/l
		01.11.24	0.239	1.481	<MDL	0.258	0.043	mg/l

  
 Deputy Chief Scientific Officer,  
 District Environmental Laboratory  
 Tamil Nadu Pollution Control Board,  
 Hosur – 635 126.

**The Photographs taken during the Inspection at the locations of River Thenpennai flowing in Tamil Nadu Stretch on 19.02.2025**

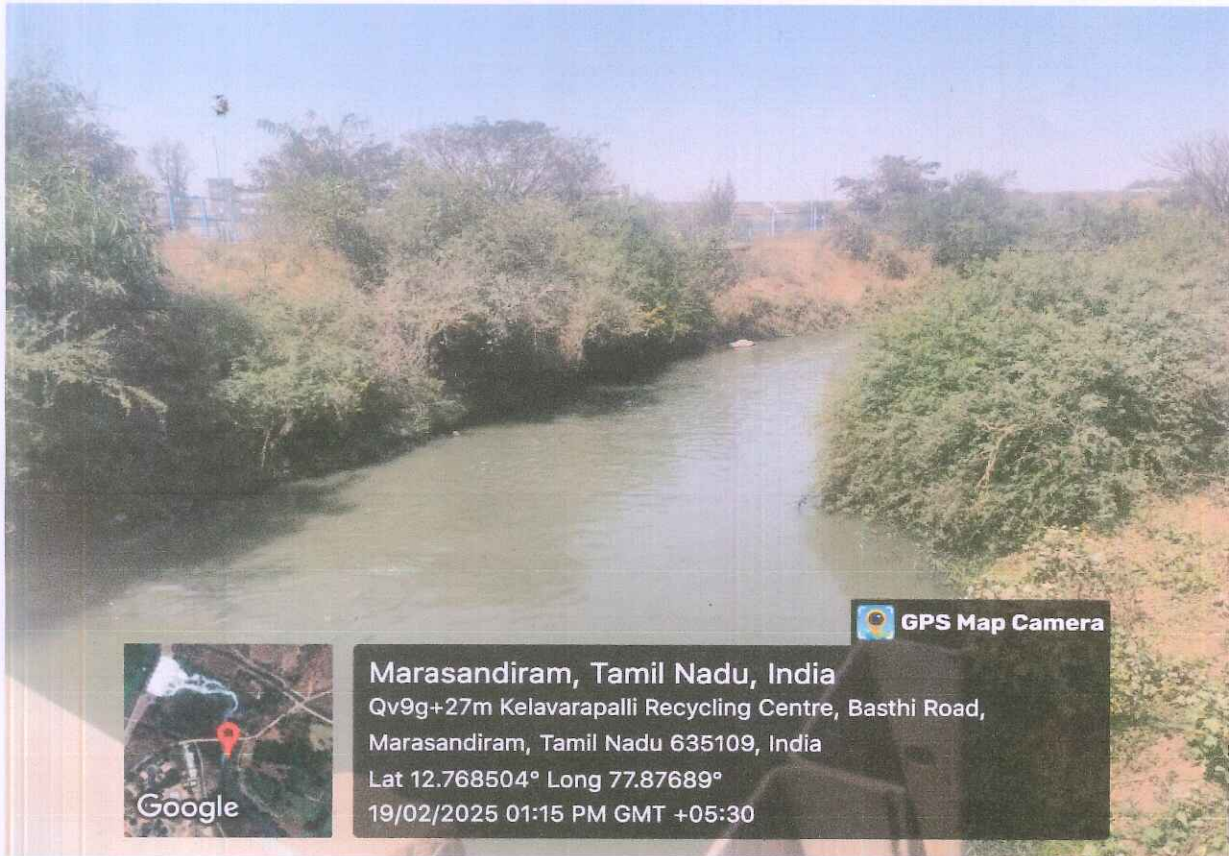
**1. River Flow at Chokkarasanapalli Entry Point**



**2. River Flow at Upstream of Kelavarapalli Dam**



### 3. River Flow at Downstream of Kelavarapalli Dam



### 4. River Flow at Bagalur Village



*M.S. Lakshmi*  
19/2/25

**District Environmental Engineer  
Tamil Nadu Pollution Control Board  
Hosur**

*[Signature]*  
19/2/25



# TAMIL NADU POLLUTION CONTROL BOARD



**From**  
Thiru. R.Kannan, M.Tech,  
Member secretary  
Tamil Nadu Pollution Control Board,  
76, Anna Salai, Guindy,  
Chennai- 600 032.

**To**  
The Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhawan, East Arjun Nagar,  
Delhi – 110 032.  
e-mail: [mccb.cpcb@nic.in](mailto:mccb.cpcb@nic.in)

**Lr. No. T5/TNPCB/F.004258/NGT/2025, Dated: 04.03.2025**

**Sub:** TNPCB – Thenpennaiyar – Suo Moto Case by Hon'ble NGT (PB), New Delhi – OA No. 1374 of 2024 – Renumbered as OA No. 14 of 2025 – Hon'ble NGT (SZ) – Action taken report submitted – Request for Directions to be issued under section 24,25 & 26 of Water (P&CP) Act, 1974 as amended in 1988 – Reg.

**Ref:** 1. Letter from DEE, Hosur, TNPCB No. DEE/TNPCB/OA No.14 of 2025/HSR/2025 Dated: 19.02.2025  
2. Hon'ble NGT(SZ) Chennai Order Dated 10.02.2025 in OA No 14 of 2025  
3. Letter from CPCB F. No. Tech/02/Legal (TN)/RDC/2024-25/933 dated 07.01.2025  
4. Hon'ble NGT(SZ) Chennai Order Dated 06.11.2024 in OA No 111 of 2020.

\*\*\*\*\*

Suo Moto case OA No. 1374 of 2024 was registered by the National Green Tribunal (PB) on the basis of the news item titled "Sea of Toxic Foam In Tamil Nadu's Hosur After Dam Discharges Surplus Water" appearing in NDTV.com dated 05.12.2024. The matter relates to a toxic foam crisis that has emerged in a stretch of Thenpennai river near Hosur, Tamil Nadu, as the Kelavarapalli Dam released surplus water following heavy rains. In connection with this, CPCB had requested TNPCB to submit Action Taken Report (ATR), and water sampling and analysis carried out vide reference 3<sup>rd</sup> cited.

In this regard, It is submitted that River Thenpennai originates in Karnataka State and passes 85 Km in that state before entering the Tamil Nadu border through the Northern side of Bangalore. The river reaches Bagalur Village, Hosur Taluk, Krishnagiri District at a distance of about 4 Km and it passes through Krishnagiri, Dharmapuri, Thiruvannamalai, Villupuram, Cuddalore Districts of about 400 km, and finally joins the Bay of Bengal. The River Thenpennai flows and enters into the Tamil Nadu state border located at Sokkaransanpalli Village, Hosur Taluk, Krishnagiri District, and the Kelavarapalli Dam, which impounds the River Thenpennai, approximately 8.5 kilometers away from the state boundary.

No. 76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.  
Tel : 044-22353134 - 139 Fax : 044-22353068  
Email : [tnpcb-chn@gov.in](mailto:tnpcb-chn@gov.in) Web : [tnpcb.gov.in](http://tnpcb.gov.in)

Earlier, a SUO MOTU case i.e. OA.No.111 of 2020 was registered by the Hon'ble National Green Tribunal (SZ), Chennai based on news published in Dinamalar, Chennai City Supplement Edition dated 13.07.2020 under the caption of "Frothing of Chemical Foam in the River Thenpennai", the issues alleged are large scale foam in Thenpennai River due to untreated chemical effluents discharged from Kelavarapalli Reservoir and also the residential sewage is mixed with the water which affects water quality.

The Hon'ble National Green Tribunal (SZ), Chennai, in its order dated 20.07.2020, has appointed a Joint Committee constituted by CPCB, Regional office, Bangalore, to study the area and submit a detailed report with recommendations including an action plan and remedial measures.

The Hon'ble National Green Tribunal (SZ), Chennai, vide reference 4<sup>th</sup> cited, has disposed of the case with certain directions to the stakeholders and SPCBs and also directed the Chief Secretary of two states to monitor the implementation of the Joint Committee's recommendation.

As per the Joint Committee report, most of the action plans and remedial measures were suggested to the stakeholders of Karnataka state since the prime sources of pollution are located in Bangalore, Karnataka and the sewage from the Bangalore metro city, both treated and untreated is being discharged into the lakes of Bellandur, Agara and Varthur. The overflow from the lakes flows into the River Thenpennaiyar. Only, the following action points were suggested to the Tamil Nadu Pollution Control Board.

1. Sewage and Solid Waste Management in the villages adjoining River Thenpennai up to Kelavarapalli.
2. Regular Water Quality Monitoring at important locations.
3. Random Verification of grossly polluting (water polluting) industries located in the River Basin and Assessment of wastewater management and discharge mode

In this regard, TNPCB collected and analysed the water samples from River Thenpennaiyar every month at Chokarasanapalli Village (interstate Border) to monitor the Quality of water, and the action taken by the TNPCB for said action points is submitted vide Annexure I & II.



## TAMIL NADU POLLUTION CONTROL BOARD



Meanwhile, a news item broadcasted in Sun News dated 25.10.2024 states that in the Kelavarapalli Reservoir, there was a heavy frothing (chemical foam) that blocked the arterial road, disturbing the regular transport. In this regard, the officials of the Regional Office, South Zone, CPCB have inspected along with the officials of TNPCB, Hosur in the Thenpennaiyar River Stretch in Tamil Nadu Inter-State Border on 29.10.2024, and the samples were collected by the officials of Regional Office, South Zone, CPCB and sent to the DEL, TNPCB, Hosur for analysis.

The RoA of the samples collected by officials of CPCB and TNPCB on 29.10.2025 at the points of Chokkarasanapalli Entry Point, Kodiyalam Village, Upstream of Kelavarapalli Dam (Bagalur Village), Middle point near shutter No.2 of Kelavarapalli Dam and Down Stream of Kelavarapalli Dam (Near Marasandiram Village Road) in Tamil Nadu Stretch reveals that the DO level fluctuates from 1.3 mg/l to 6.1 mg/l at the Chokkarasanapalli Entry Point to Down Stream of Kelavarapalli Dam. The Total coliform level fluctuates from 241960 MPN/100ml to 19863 MPN/100ml at the Chokkarasanapalli Entry Point to Down Stream of Kelavarapalli Dam, and Fecal coliform level fluctuates from 98040 MPN/100ml to 10462 MPN/100ml at the Chokkarasanapalli Entry Point to Down Stream of Kelavarapalli Dam. From the report, the Total and Fecal coliform at Chokkarasanapalli Entry Point reveals that there is a discharge of sewage/wastewater in the Thenpennai River from the Karnataka State. (The RoA of the samples is hereby submitted vide Annexure III)

Further, the Hon'ble NGT (PB) on its own motion Suo Motu based on the News item in NDTV.com dated 05.12.2024 titled "Sea of Toxic Foam in Tamil Nadu Hosur after Dam discharges surplus water" as mentioned earlier. In this regard, the counter affidavit was filed by the TNPCB. Then, the Hon'ble NGT (PB) vide order dated 18.12.2024 has informed that since the matter relates to the Southern Zonal Bench, Chennai, therefore OA is transferred to the Southern Zonal Bench for appropriate further action. In continuation of the above, the case was transferred to the Hon'ble NGT (SZ) and renumbered as OA No.14 of 2025.

No. 76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.  
Tel : 044-22353134 - 139 Fax : 044-22353068  
Email : [tnpcb-chn@gov.in](mailto:tnpcb-chn@gov.in) Web : [tnpcb.gov.in](http://tnpcb.gov.in)

The Hon'ble NGT (SZ) vide order dated 10.02.2025 has directed that TNPCB make an inspection and file their report. In this regard, the Kelavarapalli Dam and River Thenpennai were inspected by the officials of TNPCB, Hosur on 19.02.2025 (Photocopy Enclosed vide Annexure IV) and observed that there is no frothing found in the river stream discharged from the Kelavarapalli Dam. However, the frothing occurred in the river stretch during the monsoon/heavy rainfall days due to the presence of high levels of coliform and BOD in the untreated sewage discharged into the River Thenpennai from the State of Karnataka.

From the analysis of regular water samples collected every month for the years 2022-2023 & 2023-2024 at Chokarasanapalli Village (interstate Border), it was observed that BOD varies from 32 mg/l to 134 mg/l, total coliform varies from 1200 MPN/100 ml to 20050 MPN/100 ml and Fecal Coliform varies from 840 MPN/100 ml to 16520 MPN/100 ml reveals which that there is a discharge of sewage/wastewater in the Thenpennai River from the Karnataka State.

Also, the value of BOD, Total Coliform, and Fecal Coliform was observed as 134 mg/l, 20050 MPN/100 ml, and 16520 MPN/100 ml respectively during the collection of water sample at Chokarasanapalli Village (interstate Border) in 26.12.2024 after the publishing of news in NDTV.com which reveals that there is a discharge of sewage/wastewater in the Thenpennai River from the Karnataka State thereby formation of frothing in the stretch of River Thenpennai.

In this regard, it is requested that the Central Pollution Control Board may kindly issue necessary directions to the stakeholders to curtail the discharge of sewage/wastewater from Bangalore City through the Bellandur and Varthur lake systems and industries located in the state of Karnataka to improve the water quality of the Thenpennai River.

This is submitted for your kind information and necessary action, please.

**Encl:** As above

  
6/3/25  
P. S. H. C. I.  
10/02/2025  
**For Member Secretary**


## Annexure I

Action Points	Present Status	Proposed Action by the Joint Committee	Agency Responsible (Timeline)	Action Taken by TNPCB
Sewage and Solid Waste Management in the villages (13) adjoining River Thenpennai up till Kelavarapalli	Among the villages located near River Thenpennai, Bagalur is having population of about 11,000 and the domestic sewage generation is to be estimated about 0.0715 MLD. Further, Solid Waste generation in Bagalur is to be estimated about 1.5 Tons/day.	Feasibility study for Sewage Treatment options (such as oxidation ponds/ diversion channels or wetlands etc.) by TNPCB followed by implementation by Local authority of the district. Solid Waste Management Plan be devised and executed by concerned Block Development Officer, Hosur taluk to ensure the solid wastes are not disposed on the riverside and managed as per Solid Waste Management Rules, 2016.	Feasibility study by TNPCB in consultation with local authority for implementation (six months) Concerned Block Development Officer to submit TNPCB (six months)	In order to mitigate the Thenpennai River pollution in Tamil Nadu Stretch, the Board has issued certain directions vide Proceeding dated 03.02.2022, 04.02.2022 and 09.02.2022 to the BDO, Hosur Panchayath union and the Executive Engineer, PWD, WRO (River Thenpennai Basin) respectively. Subsequently, Personal Hearing was conducted by the JCEE(M), Vellore Zone on 09.01.2024 with the officials of PWD, WRD (Pennaiyar Basin) and HosurPanchayat Union. The JCEE(M), Vellore Zone and instructed the officials of PWD, WRD (Thenpennaiyar Basin) and the BDO, Hosur Panchayat Union to expedite the implementation of directions issued by the Board vide Proc. Dated 03.02.2022,04.02.2022 and 09.02.2022.

<p>Regular Water Quality Monitoring at important locations</p>	<p>Water Quality is being monitored by KSPCB by installing real time monitoring stations in Bellandur and Varthur. Further, Mugalur bridge and sokkarasanapalli is being monitored under National Water</p>	<p>The trend of water quality and its improvement at major confluence points may be monitored for the year 2021-22 on a monthly basis and a report be submitted to CPCB to ensure the quality of water</p>	<p>TNPCC &amp; KSPCB (to monitor on yearly basis)</p>	<p>As per the joint committee recommendations in the matter of O.A.111/2020, the river water samples were collected periodically by the TNPCC at Chokkarsanapalli, Thenpennai River Entry point of Tamil Nadu (Inter-State Border). As per the primary water quality criteria prescribed by the CPCB, the Biochemical Oxygen Demand of 3mg/l or less of the water ensures reasonable freedom from oxygen demanding pollutants and prevent production of obnoxious gases. But, it is observed that the BoD level is fluctuating between the range of 32 mg/l to 134 mg/l in the consolidated Report of Analysis of the water samples collected from the year 2022-2023 to 2024-2025, which denotes that there is a significant depletion oxygen level (Dissolved Oxygen level is fluctuating between the range of 0.2 to 4.4 mg/l).</p> <p>In addition to that, it was observed that, the value of total coliform varies from 1200 MPN/100ml to 20050 MPN/100ml and Fecal Coliform varies from 840 MPN/100 ml to 16520 MPN/100ml. Hence, it is ascertained that the untreated sewage/</p>
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<p>Environmental Compensation be imposed by SPQBs after re-evaluating performance of STPs and identification of defaulters upon Random Verification.</p>	<p>Performance of STPs evaluation by BWSSB and random inspection of industries is required to be carried out by KSPCB/TNPCB with specific reference to River Thenpennai.</p>	<p>EC be calculated and imposed based on the Performance Evaluation of STPs and Random Verification of Grossly Polluting Industries. EC be calculated and imposed based on Random Verification of Grossly Polluting Industries Calculation of EC by the three member Committee comprising of CPCB, TNPCB and KSPCB, after submission of Reports by the concerned authorities (BWSSB, KSPCB, TNPCB).</p>	<p>BWSSB and KSPCB (Six months) TNPCB (Six months) CPCB (Six months on receipt of the Study Report and recommendations/criteria for imposing EC from KSPCB and TNPCB)</p>	<p>waste water may contaminated the upstream of river water before enter at the Chokkarsanapalli, Thenpennai River Entry point of Tamil Nadu (Inter- State Border).</p> <p>No grossly polluting (water polluting) industries are located at the River Basin of Thenpennai in Tamil Nadu Stretch. Hence, there is no discharge of sewage/trade effluent from the industries.</p>
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<p>Random Verification of grossly polluting (water polluting) industries located in the River Basin and Assessment of wastewater management and discharge mode.</p>	<p>The information of grossly polluting industries located in the river basin along with the status of effluent management has been compiled by KSPCB.</p>	<p>Among the industries those that are Red/Orange category (small, medium and large) with treated effluent discharge option as surface water/sewer drain/others (which includes industries having ZLD) in River basin of Thenpennai be monitored for effluent characteristics by concerned SPCBs, so as to ascertain the quality of treated effluent discharge as per the Consent Conditions of SPCBs. The details of the compliance status and action taken report be placed in public</p>	<p>TNPCB &amp; KSPCB (six months)</p>	<p>No grossly polluting (water polluting) industries are located at the River Basin of Thenpennai in Tamil Nadu Stretch.</p>
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 District Environmental Engineer  
 Tamil Nadu Pollution Control Board  
 Hosur

  
 19/1/2008

Pennaiyar River Water samples collected at Chokarasappalli village at the inter State Border by the DEE, TNPCB, Hosur from Jan 2022 to Dec 2022

Parameter	Units	Date of Sample Collection											
		24.01.2022	22.02.2022	23.03.2022	25.04.2022	24.05.2022	29.06.2022	13.07.2022	02.08.2022	06.09.2022	11.10.2022	02.11.2022	0
Number		7.17	7.08	6.87	6.70	6.57	6.34	6.5	9.96	6.55	6.7	7.1	
Total Solids	mg/l	16	14	16.0	8.0	10.0	16.0	42	12	424	42	48	
Total Solids	mg/l	694	730	354	350	324	330	718	1089	976	543	482	
	mg/l	215	220	205	200	155	210	199	353	125	136	110	
	mg/l	125	14	22	72	147	28	27	54	44	120	32	
Free Chlorine	mg/l	2	2	1.0*	1.0*	1.0*	-	-	-	-	-	-	
Temperature	mg/l	9	10	28.0	23.0	6.0	16.0	32	14	15	5	4	
	mg/l	48	48	80.0	48.0	72.0	32.0	360	160	66	16	32	
Dissolved Oxygen	mg/l	2.36	0.28	0.73	0.92	1.04	1.20	1.1	6.52	4.4	4.4	6.9	
	NTU	2.31	2.32	2.34	2.31	2.34	4.00	-	8	24	-	-	
Chlorophyll (a)	mg/l	0.88	0.89	0.87	0.88	0.89	-	-	-	-	-	-	
	mg/l	1.8	1.82	1.8	1.8	1.5	-	0.1375	0.046	0.04	0.7	1.1	
Ammonia Nitrogen (NH3)	mg/l	0.07	0.08	0.08	0.08	0.10	-	-	<BDL	<BDL	<BDL	<BDL	
	mg/l	1075	1132	1653	730	1126	1280	1483	3150	1898	1056	847	
AEL, TNPCB, Salem													
MPN / 100		1200	1500	1700	2100	2200	2800	3500	1500	2800	-	-	
MPN / 100		----	----	840	----	----	1400	-	-	1300	-	-	

V. S. S. Pillay  
 DISTRICT ENVIRONMENTAL ENGINEER  
 TAMILNADU POLLUTION CONTROL BOARD  
 HOSUR  
 10/11/2025

ennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the DEE, TNPCB, Hosur on April 2023 to August 2023

Parameter	Units	Date of Sample Collection				
		08.04.2023	09.04.2023	01.06.2023	03.07.2023	07.08.2023
	Number	7.1	7.21	6.32	5.75	7.24
Total Suspended Solids	mg/l	82	60	12	104	254
Total Dissolved Solids	mg/l	1280	815	692	692	898
Chloride	mg/l	250	260	200	225	225
Total Hardness	mg/l	90	93	120.6	190	3
Total Hardness and Grease	mg/l	-	-	-	-	-
Biological Oxygen Demand (BOD) 3 days at 27°C	mg/l	26	22	8	20	8
Dissolved Oxygen	mg/l	46	45	162	72	72
Water Turbidity	mg/l	3.8	3.7	3.8	3.7	4.1
Water Turbidity (NTU)	NTU	20	30	7	-	-
Total Hardness (Sodium Absorption)	mg/l	-	-	-	-	-
Iron	mg/l	0.197	0.152	0.003	-	-
Ammonia (NH3)	mg/l	<MDL	<MDL	2	-	-
Water Hardness (Total Hardness)	mg/l	1313	1414	-	-	-
Total Hardness	mg/l	61.6	117.6	10.08	-	-
Total Hardness	mg/l	32.4	30.6	8.2	-	-
Total Hardness	mg/l	10.534	11.012	0.36	-	-
Total Hardness	mg/l	2.7	2.36	1.038	-	-
AEL, TNPCB, Salem						
Coliform	MPN / 100 ml					
Coliform	MPN / 100 ml					

M. S. - 28/10/2023  
DISTRICT ENVIRONMENTAL ENGINEER  
TAMILNADU POLLUTION CONTROL BOARD

Water samples collected at Chokarasampalli village at the inter State Border by the DEE, TNPCB, Hosur on Jul 2024 to Dec 2024

Parameter	Units	Date of Sample Collection				
		10.07.2024	12.08.2024	07.10.2024	08.11.2024	26.12.2024
Number	Number	6.96	6.7	7.04	7.11	7.46
Unfiltered Solids	mg/l	158	186	16	254	48
Dissolved Solids	mg/l	-	-	-	692	898
	mg/l	200	160	-	225	225
	mg/l	78	8	-	190	3
Acid Base	mg/l	-	-	-	-	-
DO at 27°C	mg/l	12	22	32	48	134
	mg/l	64	54	96	156	0.2
Dissolved Oxygen	mg/l	3.6	4.1	1.8	0.7	4.1
	NTU	4	22	-	-	-
	mg/l	<MDL	<MDL	0.018	<MDL	<MDL
	mg/l	0.007	0.016	-	-	-
	mg/l	<MDL	0.131	0.212	0.572	0.358
	mg/l	<MDL	0.314	0.492	<MDL	<MDL
	mg/l	-	0.012	-	-	-
	mg/l	1.8	0.6	-	-	4
	mg/l	2.35	1.2	1.21	1.72	21.41
Phosphate	mg/l	-	-	0.59	0.8	8.69
	mg/l	-	-	4.89	7.42	1.8
	mg/l	-	-	0.64	5.78	2.2
Nitrogen	mg/l	-	-	5.8	8.06	6.1
	mg/l	-	-	2.04	0.993	20.019
	mg/l	-	-	<MDL	<MDL	<MDL
	mg/l	-	-	11.4	16.04	8.9
		Sulphide Smell	Rotten on egg Smell	-	-	-
		Brown Furbid	Slightly Brown	-	-	-
MPN/ 100ML	MPN/ 100ML	2025	2282	1011	11500	20050
MPN/ 100ML	MPN/ 100ML	1230	1046	722	1640	16520
MPN/ 100ML	mg/l	-	<MDL	-	-	-



A-14



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Name of the Parameter : Phosphate

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar ) / Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	1.48	1.48	1.61
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	1.51	1.23	1.33
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.82	1.31	1.69
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	1.2	1.04	1.36
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	1.2	1.28	1.46

*K. G. Gurusamy*  
 Deputy Chief Scientific Officer  
 District Environmental Laboratory  
 Tamil Nadu Pollution Control Board  
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Name of the Parameter : **Dissolved Phosphate**

SL No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	0.58	0.69	0.65
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	0.61	0.59	0.41
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.32	0.52	0.66
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	0.51	0.36	0.58
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	0.53	0.48	0.88

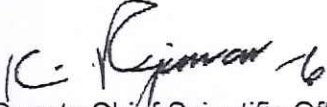
*(Signature)*  
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Name of the Parameter : Nitrate (NO<sub>3</sub>-)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	3.61	3.93	4.79
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	3.91	3.35	4.68
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	1.96	3.62	4.15
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	8.34	3.24	3.3
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	3.94	3.74	10.21


  
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Name of the Parameter : Nitrite (NO<sub>2</sub>)

SL No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	0.59	0.32	0.56
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	0.6	0.11	0.61
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	0.03	0.52	0.51
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	1.18	0.04	0.32
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	0.03	0.14	1.34

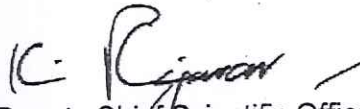
  
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Name of the Parameter : Ammonical Nitrogen

SL No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	mdl	12.3	15.1
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	7.3	7.8	7.8
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	14	6.7	6.7
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	2.2	3.4	mdl
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	mdl	mdl	mdl

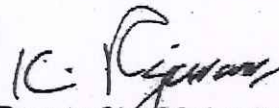
  
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### TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Khjeldahl Nitrogen (TKN)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	4.5	23.5	26.2
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	13.4	15.5	16.2
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	22.8	10.5	13
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur - Taluk	mg/l	3.7	6	1.7
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	2.1	2.8	3

  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Biochemical Oxygen Demand (BOD)

SL No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	25	28	32
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	30	28	28
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	30	28	32
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	31	21	21
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	22	24	20


  
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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : Chemical Oxygen Demand (COD)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	112	120	112
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	128	88	96
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	104	128	120
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	112	88	72
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	72	72	88


  
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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : pH

Sl. No.	Sampling Location	Date of Sample Collected		
		29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	7.06	6.93	6.65
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	7.09	7.03	6.92
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	7.04	7.02	6.82
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	7.02	6.98	6.52
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	6.97	6.92	6.43


  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Suspended Solids (TSS)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	58	62	66
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	14	22	20
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	40	36	66
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	18	16	22
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	18	26	22

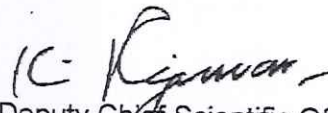
  
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 Tamil Nadu Pollution Control Board  
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## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Dissolved Oxygen (DO)

Sl. No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	1.3	1.6	1.5
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	1.2	1.5	1.8
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	2.6	3.1	3.3
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	4.3	4.4	4.2
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	6.1	5.7	5.8

  
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**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the Parameter : Oil and Grease (O&G)

SL No.	Sampling Location	Unit	Date of Sample Collected		
			29.10.2024	30.10.2024	1.11.2024
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli- Village ,Entry point in Tamilnadu Border , Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	mg/l	<MDL	<MDL	<MDL
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	mg/l	<MDL	<MDL	<MDL
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	mg/l	<MDL	<MDL	<MDL

*K. Rajan*

Deputy Chief Scientific Officer  
District Environmental Laboratory  
Tamil Nadu Pollution Control Board  
Hosur – 635 126.




## TAMIL NADU POLLUTION CONTROL BOARD

Name of the Parameter : Total Coliform (TC) & Fecal Coliform (FC)

SL No.	Sampling Location	Unit	Date of sample Collected: 4.11.2024		Date of sample Collected: 8.11.2024	
			TC	FC	TC	FC
1	Pennaiyar South ( South Pennaiyar ) Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	MPN /100ml	241960	98040	11500	1640
2	Kodiyalam Village (Check Dam) Hosur-Taluk	MPN/ 100ml	241960	120330	9000	6400
3	Bagalur Village (Upstream Of kelavarapalli Dam ) Hosur-Taluk	MPN/ 100ml	182560	23506	13900	12400
4	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	MPN/ 100ml	26868	9958	**	**
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur- Taluk	MPN/ 100ml	19863	10462	**	**

TC: Total Coliform; FC: Fecal Coliform

\*\* Sample Not collected due to public complaint

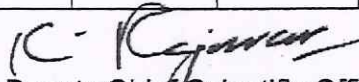
  
 Deputy Chief Scientific Officer  
 District Environmental Laboratory  
 Tamil Nadu Pollution Control Board  
 Hosur



**TAMIL NADU POLLUTION CONTROL BOARD**

Name of the River: Pennaiyar South ( South Pennaiyar )  
Thenpennai River

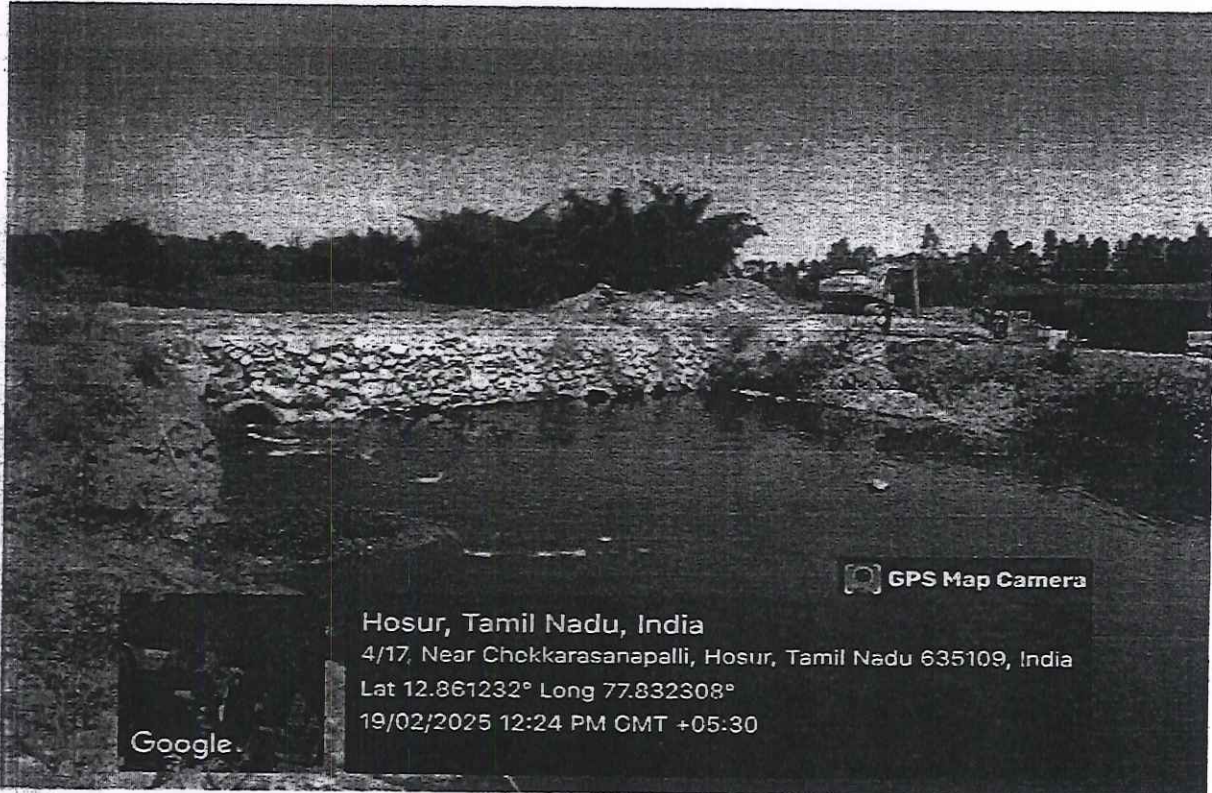
Parameter : Heavy Metals								
Sl No.	Point Of collection	Date Of collection	Zinc as Zn	Iron as Fe	Chromium as Cr	Nickel as Ni	Lead as Pb	Unit
1	Pennaiyar South ( South Pennaiyar )/ Thenpennai River Chokkarasanapalli-Village ,Entry point in Tamilnadu Border , Hosur-Taluk	29.10.24	0.171	2.350	<MDL	0.206	<MDL	mg/l
		30.10.24	0.547	4.279	<MDL	0.243	<MDL	mg/l
		01.11.24	0.350	1.821	<MDL	0.331	0.151	mg/l
2	Kodiyalam Village ( Check Dam) Hosur-Taluk	29.10.24	0.226	2.083	<MDL	0.164	0.004	mg/l
		30.10.24	0.515	2.129	<MDL	0.298	0.079	mg/l
		01.11.24	0.178	2.435	0.016	0.156	<MDL	mg/l
3	Bagalur Village ( Upstream Of kelavarapalli Dam ) Hosur-Taluk	29.10.24	0.297	2.313	<MDL	0.186	<MDL	mg/l
		30.10.24	0.367	1.744	<MDL	0.317	<MDL	mg/l
		01.11.24	0.292	1.995	<MDL	0.412	<MDL	mg/l
4.	Middle Point Near Shutter NO- 2, Kelavarapalli Dam in Hosur -Taluk	29.10.24	0.316	1.642	<MDL	0.157	0.041	mg/l
		30.10.24	0.319	1.650	<MDL	0.221	<MDL	mg/l
		01.11.24	0.250	1.458	<MDL	0.301	<MDL	mg/l
5	Downstream of Kelavarapalli Dam near Marasanthiram Village Road, Hosur-Taluk	29.10.24	0.285	1.782	<MDL	0.227	<MDL	mg/l
		30.10.24	0.346	2.288	<MDL	0.223	<MDL	mg/l
		01.11.24	0.239	1.481	<MDL	0.258	0.043	mg/l

  
 Deputy Chief Scientific Officer,  
 District Environmental Laboratory  
 Tamil Nadu Pollution Control Board,  
 Hosur - 635 126.

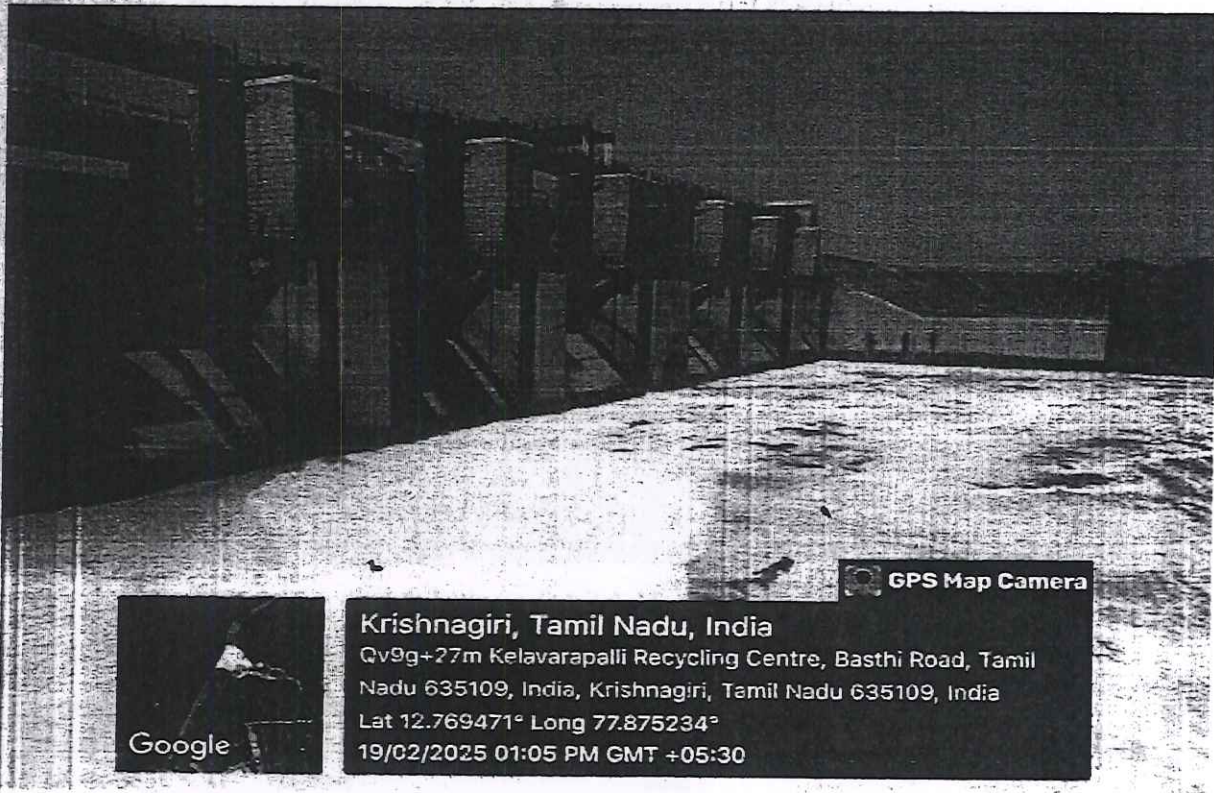
**Annexure IV**

**The Photographs taken during the Inspection at the locations of River Thenpennai flowing in Tamil Nadu Stretch on 19.02.2025**

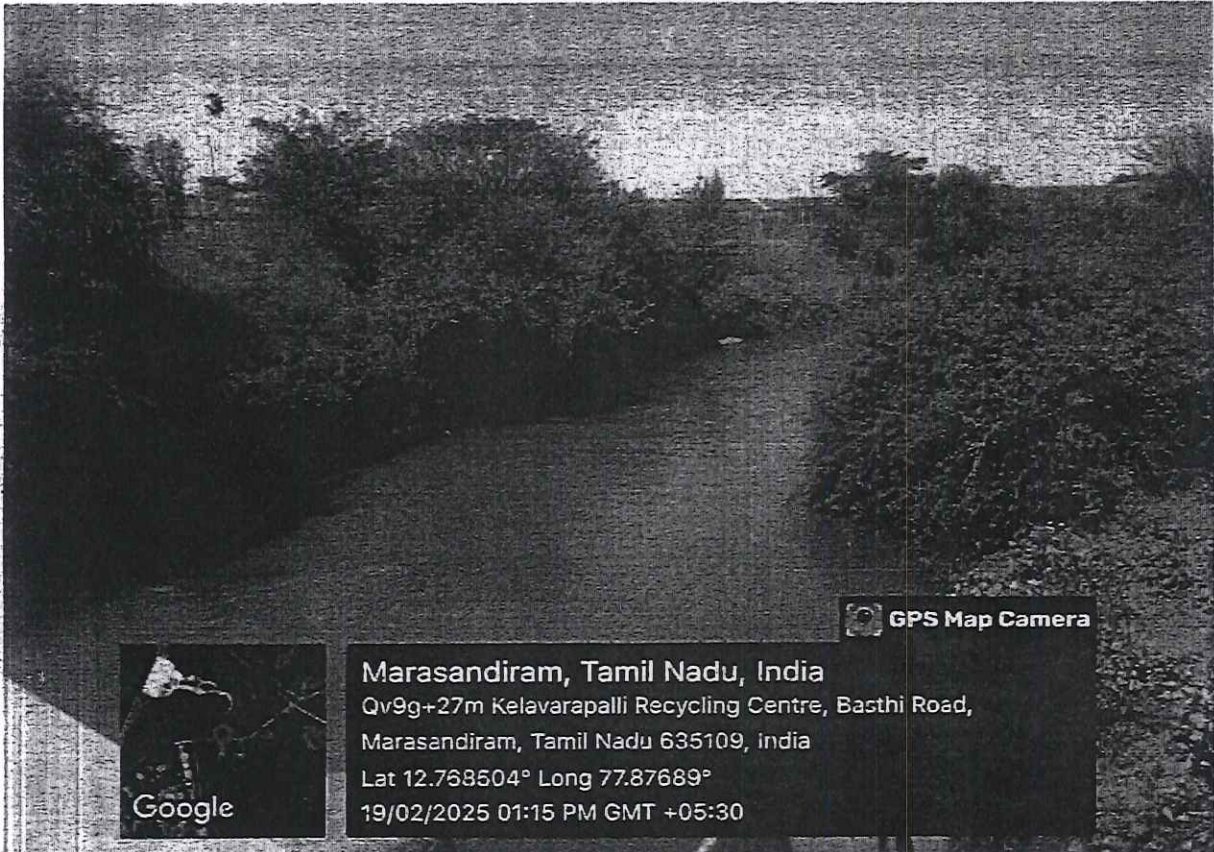
**1. River Flow at Chokkarasanapalli Entry Point**



**2. River Flow at Upstream of Kelavarapalli Dam**



**3. River Flow at Downstream of Kelavarapalli Dam**



**4. River Flow at Bagalur Village**



*H.S. Lakshmi*  
19/2/25  
**District Environmental Engineer  
Tamil Nadu Pollution Control Board  
Hosur**

*[Signature]*  
19/2/25

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

**Original Application No. 14 of 2025(SZ)  
[Earlier O.A.No.1374 of 2024(PB)]**

Tribunal on its own motionSuo Motu based on the News Item Titled “Sea of Toxic Foam in Tamil Nadu’s Hosur After Dam Discharges Surplus Water” appearing in NDTV.com dated: 05.12.2024

Vs

The Tamil Nadu Pollution Control Board,  
Rep by its Member Secretary,  
No.76, Mount Salai, Guindy ,  
Chennai – 600 032. and 6 ors.

...Respondents

**REPORT FILED ON BEHALF OF  
THE FIRST RESPONDENT – TAMIL  
NADU POLLUTION CONTROL  
BOARD**

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

**Date:24.03.2025.**

**Date of hearing on:04.04.2025**