

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

Original Application No.156 of 2024 (SZ)

{Earlier Original Application No.374 of 2024 (PB)}

WITH

Original Application No.127 of 2022(SZ)

Tribunal on its own motion SUO MOTU
based on the news item published in
'The Hindu' dated 07.04.2024, titled
"Fire breaks out at Vellalore landfill
in Coimbatore"

And

Central Pollution Control Board
Through its Member Secretary,
New Delhi and Others.

...Respondents

WITH

K.S. Mohan, Coimbatore.

...Applicant.

-Vs-

1. The Corporation of Coimbatore
Represented by its Commissioner
Coimbatore and Others.

...Respondents

:

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

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

Original Application No.156 of 2024 (SZ)
{Earlier Original Application No.374 of 2024 (PB)}
With
Original Application No.127 of 2022(SZ)

IN THE MATTER OF:

Tribunal on its own motion SUO MOTU
based on the news item published in
'The Hindu' dated 07.04.2024, titled
**"Fire breaks out at Vellalore landfill
in Coimbatore"**

And

Central Pollution Control Board
Through its Member Secretary,
New Delhi and Others.

...Respondents

WITH

K.S. Mohan, Coimbatore.

...Applicant.

-Vs-

I. The Corporation of Coimbatore
Represented by its Commissioner
Coimbatore and Others.

...Respondents

**ADDITIONAL REPORT FILED ON BEHALF OF THE
TAMIL NADU POLLUTION CONTROL BOARD.**

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

2. 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 Tamil Nadu Pollution Control Board and as such I am well acquainted with the facts of the case available from our office records.

3. It is respectfully submitted that the Hon'ble National Green Tribunal (PB), New Delhi has registered a Suo Motu as Original Application No.374 of


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

2024 (PB) based on the news item published in 'The Hindu' dated 07.04.2024 titled, "Fire Breaks out at Vellalore landfill in Coimbatore" which has been transferred to this Bench and renumbered as Original Application No.156 of 2024 (SZ).

4. It is respectfully submitted that the Tamil Nadu Pollution Control Board has filed its report on 20.12.2024 in OA No.156 of 2024 before Hon'ble National Green Tribunal, SZ, Chennai which shall be taken as a part and parcel of this additional report.

5. It is respectfully submitted that the applicant has filed the OA No.127 of 2022 before the Hon'ble Tribunal with the following prayers:

"a. The 1st respondent to stop dumping unsegregated waste and burning municipal solid waste and other waste at Kurichi – Vellore dump site.

b. Direct the respondents to the site at kurichi – Vellalore and implement the same forthwith.

c. Direct the respondents to carry out necessary steps to restore the ecology of the area.

d. Direct the payment of compensation for environmental harm on account of the violation committed by the 1st and 2nd respondents".

6. It is respectfully submitted that the Tamil Nadu Pollution Control Board has filed its report on 03.03.2023 in OA No.127 of 2022 before Hon'ble National Green Tribunal, SZ, Chennai which shall be taken as a part and parcel of this additional report.

7. It is respectfully submitted that on 23.06.2025, the Hon'ble National Green Tribunal (SZ), Chennai has directed TNPCB to inspect the site and file a report on a monthly basis in OA No.156 of 2024(SZ) and in O.A No.127 of 2022(SZ). Based on the direction, the Tamil Nadu Pollution Control Board submits its additional report in the above O.A's herein.

8. It is respectfully submitted that the Vellalore Municipal Solid Waste dump site was inspected on 02.07.2025 by the officials of TNPCB along with

K. S. S. S. S.
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TAMILNADU POLLUTION CONTROL BOARD,
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the officials of the CPCB and Coimbatore City Municipal Corporation and the following observations are submitted below:

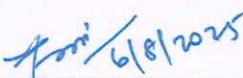
9. It is respectfully submitted that, M/s. Coimbatore City Municipal Corporation is generating around 1100-1200 MT/day of municipal solid waste generated from 100 wards. The waste is processed at Vellalore village in 654 acres of land. As per the statement of Coimbatore Corporation, the details of various treatment facilities at MSW site at Vellalore are furnished below.

| Sl No | Method of processing | Capacity of processing facility | Name of the Agency | Area allotted | Consent status |
|-------|-----------------------------------|---------------------------------|---|---|--|
| | Windrow composting & RDF | 600 MT/day | M/s. Coimbatore Integrated Waste Management Corporation Private limited | 181 acres/ Presently available area is 76 acres only | CTO vide Proc. No. T3/TNPCB/F.1987CBS/RL/CBS/W&A/2024 dated: 28/08/2024 and RCO vide Proc. dated 03/06/2025 valid up to 31/03/2028 for the following 1. City Compost – 70 Tons/day 2. Refuse Derived Fuel (RDF) – 147 Tons/Day 3. Recyclable Materials – 18 Tons/Day 4. Compost Reject (4-16 mm size) – 11 Tons/Month Sewage - 4.0 KLD - On Industry's own land Effluent – 10 KLD - Recycling to process |
| | Vermicomposting and Bio-gas plant | 150 MT/day | M/s. Nilla Blooms Scappes | 15 acres | The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025. The Application is under process. |
| | Processing of chicken waste | 7-10 MT/day | M/s. BHAIRA V | 0.5 acres | The unit has obtained consent valid up to 31.03.2027. Now the unit has been sealed by Coimbatore |


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 TAMILNADU POLLUTION CONTROL BOARD,
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| | | | RENDRERS | | Corporation due to the complaint from local public. |
|--|------------|--|------------------------|----|--|
| Material recovery facility | 5MT/day | | Coimbatore Corporation | -- | The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025. The Application is under process. |
| Bio-gas plant | 7.5 MT/day | | Coimbatore Corporation | -- | The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025. The Application is under process. |
| Micro composting centre | 175 MT/day | | Coimbatore Corporation | -- | The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025. The Application is under process. |
| <p>Total quantity of waste processed = 950 MT/day (approx.)</p> <p>The balance quantity of around 300 MT/day of fresh Municipal Solid Waste is being dumped in 25 acres area of Vellalore without any treatment. The Commissioner, Coimbatore Corporation in his letter dated 09.02.2024 informed that the Coimbatore Corporation has proposed to treat the remaining untreated fresh waste (300 MT/day-350 MT/day approx) by installing Bio – CNG Plant (Bio-degradable) & Waste to Energy recovery plant (Non-biodegradable).</p> <p>Bio-mining status: Totally 7,94,139 MT which will be processed in two years period out of which 83273.87 MT (10.49%) of legacy waste as on 21.07.2025 has been processed. RDF of 12498.415 MT transported to Cement Industry.</p> | | | | | |

10. It is respectfully submitted that, CCMC has constructed a sanitary landfill at the Vellalore dumpsite for disposing 6 – 7 TPD of inert materials and rejects generated from composting and RDF processing. The sanitary landfill has been operational from the year 2011 onwards; it is constructed in an area of 20 acres with a capacity of 8 Lakhs m³. As informed approximately 6.8 Lakhs m³ of rejects have been disposed in landfill till date. Sanitary Landfill is equipped with gas venting systems, leachate collection system and is covered


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daily with a layer of soil after waste disposal. Two piezometric wells have been provided at the downstream of the SLF to monitor the ground water.

11. It is respectfully submitted that, leachate generated from the sanitary landfill is collected in two collection tanks. It is then transferred to the Leachate treatment plant (LTP) through tankers. The LTP of capacity 10KLD consists of collection tank, two aeration tanks, one anoxic tank, and two secondary clarifiers. The treated leachate is being used for greenbelt development and for windrow composting. During inspection, samples from leachate collection tank and inlet & outlet of LTP was collected for compliance of SMW Rules, 2016.

12. It is respectfully submitted that, Coimbatore Municipal Corporation has obtained Municipal Solid Waste Authorization from Tamil Nadu Pollution Control Board (TNPCB) vide Proceedings No. TNPCB/SWM/22842/CBE/2011 dated 04.03.2011 with a validity up to 31.03.2012. The same has been renewed vide Proceedings No. TNPCB/TS I/SWM/F.22842/CBS/2018 dated 19.01.2018 with validity up to 31.03.2019. It is yet to apply for renewal authorization. The Coimbatore Corporation has already been addressed to apply for renewal authorisation under Solid Waste Management Rules, 2016 several times vide this office letters. Moreover, the State Level Monitoring Committee instructed the Corporation to comply with the Rules while conducting the meeting held on 09.08.2019, 31.01.2020 & 07.10.2022. The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025 that is under process.

13. It is respectfully submitted that whereas, the Hon'ble National Green Tribunal (Principal Bench) vide order dated 16.01.2019 in OA No. 606 of 2018 has stated that "Timelines of two years have expired as Rules came into force on 08.04.2016 Timelines of three years is going to expire on 08.04.2019. However, for bio-remediation, timelines of five years has been provided. " On 'Polluter Pays Principle', the polluters must be required to pay damages by the concerned authorities. Failure to do so may render the authorities also liable to pay damages"

For 4/8/2025
 JOINT CHIEF ENVIRONMENTAL ENGINEER
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14. It is respectfully submitted that, the TNPC Board has issued direction under section 5 of Environmental (Protection) Act 1986 along with interim compensation (from April 2020 to November 2020) of Rs. 80 Lakhs to The Commissioner, Coimbatore Corporation vide Proceedings No. T1 / TNPCB / F.32363 / SWM / NGT 606 OF 2018/2020-1 dated: 27.11.2020. The Corporation is liable to remit the Environmental Compensation till the compliance of the following direction,

- a. The Corporation shall comply with the provisions of Solid Waste Management Rules, 2016 and shall comply with the orders passed by the Hon'ble NGT in OA 606 of 2018 from time to time.
- b. The Corporation shall provide 100% segregation of waste (covering all wards).
- c. The Corporation shall provide required capacity of waste processing facilities for the treatment of biodegradable waste and non-biodegradable wastes.
- d. The Corporation is liable to pay Environmental Compensation till the compliance of conditions stipulated in 1 to 3.

It was also informed that continued failure to comply with Solid Waste Management Rules, 2016 shall incur Environmental Compensation at rates that are multiples of the rates assessed (i.e.,Rs. 10 Lakh per month), till the compliance is achieved.

15. It is respectfully submitted that, Board has issued certain directions to CCMC vide Proc dated: 05.06.2024 to ensure compliance with the Solid Waste Management Rules, 2016. The CCMC has not yet fully complied with directions issued by TNPCB.

16. It is respectfully submitted that, the Hon'ble NGT (SZ) in its order dated: 23.06.2025 directed the CCMC to submit a detailed report outlining the time frame and plan of action to achieve the stated objectives, in consultation with the Committee headed by the Additional Chief Secretary to the Government, Department of Municipal Administration and Water Supply. This Committee was constituted to monitor the implementation of Solid, Liquid, and Other Waste Management Rules, in compliance with the directions issued by

From 6/8/2025
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the Tribunal in O.A. Nos. 268 of 2016 (SZ), 146 of 2020 (SZ), 54 of 2020 (SZ), 61 of 2020 (SZ), and other similar matters. Further, Hon'ble NGT (SZ) directed TNPCB to conduct an inspection of the site and submit a monthly report in this regard.

17. It is respectfully submitted that, in the matter of O.A. No. 127 of 2022, Shri K.S. Mohan, Coimbatore has filed a case before the Hon'ble NGT (SZ), Chennai, versus CCMC seeking for stoppage of operations at the Vellalore dumpsite. In this regard, the Board has issued certain directions to CCMC vide Proc dated: 06.06.2025 to ensure compliance with the Solid Waste Management Rules, 2016. The CCMC has partially complied with directions issued by TNPCB

18. It is respectfully submitted that the Municipal Solid Waste Dumpsite at Vellalore, Coimbatore was inspected jointly by CPCB RD Chennai and TNPCB along with officials of CCMC on July 02, 2025 and following observation were made:

- i. Coimbatore City generates approximately around 1100-1200 MT/day (TPD) of solid waste. Of this, around 950 to 1100TPD of waste is daily collected from door-to-door (D2D) collection system from residential and commercial establishments through third party covering all 100 wards.
- ii. It was informed that waste segregation is reported to be 90%; however, the waste arriving at the processing facility is fully mixed waste. When enquired, CCMC stated that segregation is carried out in some areas, but in other areas, even though waste is collected in separate bins, it is still mixed and not properly segregated. CCMC needs to provide training to waste collectors on proper waste segregation and encourage the public through awareness programmes for cent percent segregation of waste.
- iii. Out of the 1100 TPD solid waste collected, approx. 990TPD is being processed at the Vellalore dump yard, while the remaining 110TPD is dumped at site without processing.
- iv. It was informed that at present not all Micro Composting Centres


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(MCCs) are operational out of 36 MCCs and all 8 biogas centres for vegetable & fruits are currently non-operational due to maintenance reason. Hence, the additional 25TPD of waste is dumped in Vellalore site without processing.

- v. Due to frequent public complaints about the odour nuisance from M/s. Bhairav Renderers, Coimbatore which was processing animal waste (chicken & meat waste) has stopped its operation from March 2025 onwards due to direction issued by TNPCB. It was informed that at present, CCMC is sending approximately 15 tons of daily generated chicken & meat waste to private facility located at Madurai, Kerala and Karnataka (Mysuru). However, no records have been maintained for sending the chicken & meat waste Madurai, Kerala and Karnataka (Mysuru).
- vi. M/s CIWMCPL started the processing and treatment of solid waste from the year 2012 onwards and before that the unsegregated solid waste was dumped in the Vellalore dump yard. In the Vellalore site there are many pockets where legacy solid waste has been accumulated.
- vii. M/s CIWMCPL has obtained consent to operate under Water Act, 1974 and Air Act, 1981 for discharge of effluents & emissions from TNPCB and is valid up to March 31, 2028. The Authorisation under Solid Waste Management Rules, 2016 for processing, recycling, treatment and disposal of solid wastes is expired on 31.03.2019. The Coimbatore Municipal Corporation has applied for Solid Waste Management Authorization vide OCMMS application No.69617829 dated 04.08.2025. The Application is under process.
- viii. At present MCCs, Vermi composting facility, compost facility, Bio-gas plant and Material recovery facility of the Coimbatore Corporation are operating without valid authorization from TNPCB.
- ix. As informed by CCMC, due to inadequate treatment capacity, approximately 110 metric tons of mixed wastes are being dumped daily in the open area near to windrow composting facility without


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segregation. This makes the windrow composting difficult in the area due to lack of space.

- x. The RDF materials recovered during processing over the last 10 days (2400Tons) are stored near the windrow composting area making difficult for windrow composting.
- xi. It was observed that, windrow composting was not being properly carried out by M/s. CIWMCPL, as per the guidelines of Ministry of Housing and Urban Affairs (MoHUA), each windrow should be 3m long x 2m wide x 1.5m high, with a total volume not exceeding 9.0 cu.m. However, each windrow appeared to be like a heap of waste mountain as shown in picture below. The windrows lacked proper spacing, appearing more like heaps of waste.
- xii. The Windrow Compost Plant produces about 60-70tons of compost per day, compost is supplied to several fertilizer companies and to local famers. Around 4,300tons of compost is stored in the processing area, which also occupies space making difficult for windrow composting.
- xiii. During inspection, presence of plastic waste in the bund area was observed and sanitary landfill is not provided with garland drains from collecting leachate during monsoon. Stagnation of leachate was observed around the landfill along with plastic waste.
- xiv. During inspection, it was observed that LTP was in bad state and appears that, it is not operating regularly. As per the analysis results, all the parameters are meeting the standards except for BOD (42mg/L). However, high concentration of TDS, Chlorides cannot be treated in conventional treatment method to achieve prescribed standard.
- xv. The first phase of legacy waste bio-mining & bio-remediation for 9,40,044 m³ quantity at Vellalore dumpsite was taken up in the year 2020 and completed in December 2024 and reclaimed around 55 acres of land. The same was verified during inspection, however the top layer of land is still covered with residues of plastics and CCMC is planning to utilize the land for the construction of Bio-CNG plant.

- xvi. At present a total volume of legacy waste around 9,29,109 m³ is accumulated in three different areas within the Vellalore dumpsite (adjacent to phase I Bio mined area, adjacent to M/s. CIWMCPL processing facility and near LTP area). The Phase II bio-mining of 7,94,139 m³ out of 9,92,674 m³ of legacy waste is been commenced from February 20, 2025. As of July 2, 2025, approximately 70,000 tons of legacy waste has been processed, out of which 9,800 tons of RDF (Refuse-Derived Fuel) have been sent to cement industries for co-processing. The remaining 198535m³ of legacy waste will be taken up for bio-mining & bio-remediation in Phase-III and the tender is under process.
- xvii. During inspection, it was observed that leachate generated from legacy waste formed a pool near the LTP and the leachate is left as such to percolate in to ground water and no action is taken till date. As per the analysis results (table 6 to 8) the open wells and bore wells from residence located at a distance of 450m to 1038m from center of Vellalore dumpsite is been possibly contaminated due to presence of BOD & COD in ground water samples.
- xviii. The CCMC has not provided C& D waste processing facility, at present the C&D waste is collected and stored in one identified location and is being used to fill low lying area.
- xix. CCMC has not established waste deposition centers for domestic hazardous waste collection as per the SWM Rules, 2016. The domestic hazardous waste is collected along with solid waste and processed together.
- xx. The compliance verification of the direction issued by TNPCB on 05.06.2024 during fire incident at legacy waste dumpsite at Vellalore was done during inspection. Out of 8 directions, CCMC is compiled only for 3 direction points and 5 directions are yet to be complied.

19. It is respectfully submitted that, during inspection, water samples were collected from the borewell located inside M/s CIWMCPL (near to sanitary landfill), as well as from the three leachate collection tanks, inlet &

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outlet of LTP and bore well & open well samples from nearby residential area. The location of water samples collected from bore well, open well, and leachate pit (enclosed as **Annexure-I**).

- a. The Report of Analysis of Leachate pit reveals that, all the parameters are meeting the standards except for BOD parameters. Since, the leachate is having high TDS & Chlorides, it is impossible to meet the prescribed standard with conventional treatment.
- b. The Report of Analysis of samples from bore well located inside the processing facility reveals that all parameters are well within the standard except for TDS, Chlorides, total hardness & iron. BOD & COD was also detected in the borewell sample confirming possible contamination of ground water.
- c. The Report of Analysis of samples from open wells nearby residential area reveals that the open well samples are not meeting standard w.r.t TDS, Chlorides and total hardness. BOD & COD was also detected in the open wells showing possible contamination. These open wells are located 790 & 450m from the centre of Vellalore dump yard.
- d. The Report of Analysis of bore well samples collected from residences located near to Vellalore site reveals that for bore well samples collected from residences located near the Vellalore site, TDS, Chlorides, total Hardness and Iron parameters are exceeding the drinking water standards in all bore wells. BOD (2-26mg/L) and COD (8-152mg/L) was also detected confirming possible contamination from the dumpsite

20. It is respectfully submitted that, Ambient Air Quality survey was conducted by the Advanced Environmental Laboratory, Coimbatore in the following 5 places in and around municipal solid waste dumpsite on 24.03.2025 to measure PM10, PM2.5, SO2 & NO2 levels.

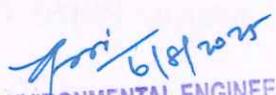
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- a. On top of open terrace of Thiru. Rajendran's House, D.No.90, Mahalingapuram, Vellore. North - North East (200m).
- b. On top of open terrace of Thiru. Athavan's House (Ragullllam), D.No.87, Mahalingapuram, Vellore North East (200m)
- c. On top of vermicompost plant office building East (220m).
- d. On top of open terrace of Thiru. M. Shanmugasundaram's House, D.No. 7/1F, Anbu Nagar, Chettipalayam Road, Vellore. South West (350m).
- e. On top of scaffolding near the house of Thiru. G. Vijayan, D.No.8-B, Muthaliyar Street, Konavaikalpalayam, Coimbatore – 23 North West (200m).

The report of analysis reveals that the level of PM₁₀ in 2 stations i.e. in station No.4 of about 163 µg /m³ and in station no.5 of about 128 µg/m³ are exceeding the limits of Board (ie. (100µg/m³).

21. It is respectfully submitted that under the above circumstances, DEE, Coimbatore South vide Letter dated: 31.07.2025 has recommended the Board to issue the following directions to Coimbatore City Municipal City Corporation,

- i. To initiate necessary steps to achieve 100% of segregation of waste at the source for the effective treatment & disposal.
- ii. To ensure that the unsegregated waste stored in the windrow composting area will be treated within three months' period so that it will not become another dumpsite.
- iii. To increase the processing facility treatment capacity to treat additional 200TPD to avoid open dumping of solid waste.
- iv. CCMC shall follow the guidelines of MoHUA for composting of wet waste.
- v. To immediately clear the RDF materials and compost stored in windrow composting area by sending to cement industries & fertilizer units.


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- vi. To construct garland drains all along the SLF to collect leachates generated in during monsoon and shall be diverted to the leachate treatment plant for treatment.
- vii. To ensure that the leachate generated from legacy dumpsite is collected in a lined collection pit and shall be treated instead of allowing to percolate causing ground water pollution in nearby areas.
- viii. Leachate Treatment Plant shall be upgraded and enhance capacity to fully treat the leachate generated from SLF as well as from legacy waste dumpsite to avoid ground water contamination.
- ix. To take necessary steps in war footing to comply with remaining 5 directions issued by TNPCB on 05.06.2024.
- x. To ensure that all the legacy waste bio-mining & bio-remediation is fast-tracked and dumpsites are cleared at the earliest so as to comply with Hon'ble NGT orders. To also ensure that fresh waste shall no longer be dumped at the existing dumpsite.
- xi. To ensure the solid waste generated is collected, processed and treated as per the Solid Waste Management Rules, 2016.

22. It is respectfully submitted that, based on the recommendation of DEE, Coimbatore South, action is being taken for issuing the directions to the Coimbatore City Municipal City Corporation.

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

[Signature]
6/8/2025
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

VERIFICATION

I, Mr. S. Bharathidasan, son of Thiru M.Selvaraj, working as the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai, do hereby verify that the contents of above are true to the best of my knowledge through records.

[Signature]
6/8/2025
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06372526CBE, 06382526CBE.
06392526CBE.

Analysis starting Date : 03.07.2025.

Code No & Point of Collection

1. DEECBS250207 – Borewell.
2. DEECBS250208 – Borewell.
3. DEECBS250209 – Borewell.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Date of Collection : 02.07.2025.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|-----------------------------|---|------|------------------------|------------------------|------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.28 | 7.51 | 7.30 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 8 | 10 | 6 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 1792 | 1748 | 1468 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 495 | 675 | 230 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 74 | 58 | 69 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 4 | 6 | 6 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 24 | 32 | 40 |

V. V. V. V.
23/7/25
E.S


[Dr. A. MANISEKAR]
 Authorised Signatory,
 Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory
3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.
Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06372526CBE, 06382526CBE.
06392526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

1. DEECBS250207 – Borewell.

Sample Condition : Sealed

2. DEECBS250208 – Borewell.

Sample Quantity : 2.5 Litres

3. DEECBS250209 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|-------------------------|---|------|------------------------|------------------------|------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 13.38 | 3.41 | 6.65 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 750 | 920 | 910 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory.

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06372526CBE, 06382526CBE.
 06392526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

1. DEECBS250207 – Borewell.

Sample Condition : Sealed

2. DEECBS250208 – Borewell.

Sample Quantity : 2.5 Litres

3. DEECBS250209 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|------------|------------------------------------|------|------------------------------|------------------------------|------------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.720 | 0.247 | 0.086 |
| 17 | % Sodium | By Calculation | % | 43 | 23 | 21 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0116 | 0.0150 | 0.0222 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0344 | 0.0354 | 0.0374 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0770 | 0.0777 | 0.0761 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. Veck
 23/7/25
 E.S

Chief Scientific Officer,
 AEL – TNPCB – CBE.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore – 641 030.
Telephone: 0422 – 2440174, Email: aelcbe@tnpcb.gov.in.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06402526CBE, 06412526CBE.
06422526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

4. DEECBS250210 – Borewell.

Sample Condition : Sealed

5. DEECBS250211 – Borewell.

Sample Quantity : 2.5 Litres

6. DEECBS250212 – Borewell.

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|-----------------------------|---|------|------------------------------|------------------------------|------------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.12 | 7.60 | 7.11 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 10 | 4 | 10 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 4192 | 76 | 3280 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 1500 | 25 | 350 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 166 | <5 | 118 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 8 | 2 | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 56 | 8 | 64 |

Remarks: < - Indicates less than minimum detectable limit.

V. V. V. V.
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06402526CBE, 06412526CBE.
06422526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

4. DEECBS250210 – Borewell.

Date of Receipt : 03.07.2025.

5. DEECBS250211 – Borewell.

Sample Condition : Sealed

6. DEECBS250212 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|-------------------------|---|------|------------------------|------------------------|------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 1.36 | 0.17 | 3.11 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 3160 | 188 | 2050 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. Veda
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06402526CBE, 06412526CBE.
 06422526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

4. DEECBS250210 – Borewell.

Date of Receipt : 03.07.2025.

5. DEECBS250211 – Borewell.

Sample Condition : Sealed

6. DEECBS250212 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|------------|------------------------------------|------|------------------------|------------------------|------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.323 | 0.387 | 0.796 |
| 17 | % Sodium | By Calculation | % | 12 | 6 | 24 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0110 | <0.0015 | 0.0119 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0367 | <0.0015 | 0.0309 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0759 | <0.006 | 0.0779 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

N. Venk
 23/7/25
 E.S

A. Anand
 23/7/25
 Chief Scientific Officer,
 AEL – TNPCB – CBE.

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 Telephone: 0422 – 2440174, Email: aelcbe@tnpcb.gov.in.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06432526CBE, 06442526CBE.
06452526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

7. DEECBS250213 – Borewell.

Sample Condition : Sealed

8. DEECBS250214 – Borewell.

Sample Quantity : 2.5 Litres

9. DEECBS250215 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|-----------------------------|---|------|------------------------------|------------------------------|------------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.47 | 7.11 | 7.60 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 16 | 12 | 8 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 3678 | 4496 | 1492 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 1100 | 1600 | 545 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 120 | 105 | 80 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 30 | 26 | 6 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 176 | 152 | 32 |

N. Veda
23/7/25
E.S

[Signature]
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06432526CBE, 06442526CBE.
06452526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

7. DEECBS250213 – Borewell.

Sample Condition : Sealed

8. DEECBS250214 – Borewell.

Sample Quantity : 2.5 Litres

9. DEECBS250215 – Borewell.

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|-------------------------|--|------|------------------------------|------------------------------|------------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 0.84 | 1.59 | 3.60 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 2230 | 3050 | 970 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. Veer
23/7/25
E.S

[Dr. A. MANISEKAR]

Authorised Signatory,
Chief Scientific Officer.

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06432526CBE, 06442526CBE.
 06452526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

7. DEECBS250213 – Borewell.

Sample Condition : Sealed

8. DEECBS250214 – Borewell.

Sample Quantity : 2.5 Litres

9. DEECBS250215 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|------------|------------------------------------|------|------------------------|------------------------|------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.677 | 0.689 | 0.624 |
| 17 | % Sodium | By Calculation | % | 24 | 12 | 20 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0256 | 0.0332 | 0.0116 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0346 | 0.0299 | 0.0310 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0843 | 0.0796 | 0.0783 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. V. V. V.
 23/7/25
 E.S

Chief Scientific Officer,
 AEL – TNPCB – CBE.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.
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**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06462526CBE, 06472526CBE.
06482526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

10. DEECBS250216 – Borewell.

Sample Condition : Sealed

11. DEECBS250217 – Borewell.

Sample Quantity : 2.5 Litres

12. DEECBS250218 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|-----------------------------|---|------|-------------------------|-------------------------|-------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.56 | 7.68 | 7.69 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 6 | 6 | 8 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 1648 | 1682 | 2734 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 550 | 645 | 1275 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 90 | 71 | 111 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 4 | 6 | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 24 | 40 | 56 |

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]
 Authorised Signatory,
 Chief Scientific Officer.

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**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

**Report No : 06462526CBE, 06472526CBE.
06482526CBE.**

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

10. DEECBS250216 – Borewell.

Date of Receipt : 03.07.2025.

11. DEECBS250217 – Borewell.

Sample Condition : Sealed

12. DEECBS250218 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|-------------------------|---|------|-------------------------|-------------------------|-------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 11.9 | 16.71 | 14.85 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 940 | 710 | 910 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

✓
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06462526CBE, 06472526CBE.
 06482526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

10. DEECBS250216 – Borewell.

Sample Condition : Sealed

11. DEECBS250217 – Borewell.

Sample Quantity : 2.5 Litres

12. DEECBS250218 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|------------|------------------------------------|------|-------------------------------|-------------------------------|-------------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.549 | 0.247 | 0.495 |
| 17 | % Sodium | By Calculation | % | 32 | 40 | 43 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0225 | 0.0119 | 0.0202 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0303 | 0.0312 | 0.0288 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0810 | 0.0816 | 0.0827 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. V. V. V.
23/7/25
E.S

(Signature)
23/7/25
Chief Scientific Officer,
AEL – TNPCB – CBE.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore – 641 030.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06492526CBE.

Analysis starting Date : 03.07.2025.

Code No & Point of Collection

13. DEECBS250219 – Borewell.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Date of Collection : 02.07.2025.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|-----------------------------|---|------|-------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.51 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 6 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 2526 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 1080 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 83 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 48 |

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]

Authorised Signatory,
Chief Scientific Officer.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06492526CBE.

Analysis starting Date : 03.07.2025.

Code No & Point of Collection

13. DEECBS250219 – Borewell.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Date of Collection : 02.07.2025.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|-------------------------|---|------|-------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 5.42 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 770 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]
 Authorised Signatory,
 Chief Scientific Officer.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06492526CBE.

Analysis starting Date : 03.07.2025.

Code No & Point of Collection

13. DEECBS250219 – Borewell.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Date of Collection : 02.07.2025.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|------------|------------------------------------|------|-------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.420 |
| 17 | % Sodium | By Calculation | % | 51 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0186 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0356 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0886 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

N. V. V. S.
 23/7/25
 E.S


 Chief Scientific Officer,
 AEL – TNPCB – CBE.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore – 641 030.
 Telephone: 0422 - 2440174. Email: ael@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06372526CBE, 06382526CBE.
06392526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

1. DEECBS250207 – Borewell.

Sample Condition : Sealed

2. DEECBS250208 – Borewell.

Sample Quantity : 2.5 Litres

3. DEECBS250209 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|-----------------------------|---|------|------------------------|------------------------|------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.28 | 7.51 | 7.30 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 8 | 10 | 6 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 1792 | 1748 | 1468 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 495 | 675 | 230 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 74 | 58 | 69 |
| 6 | BOD for 3 days @ 27° C | IS 3025 (Part 44) : 1993 | mg/l | 4 | 6 | 6 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 24 | 32 | 40 |

V.Voxt
23/7/25
E.S

[Signature]
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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Telephone: 0422 – 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06372526CBE, 06382526CBE.
06392526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

1. DEECBS250207 – Borewell.

Date of Receipt : 03.07.2025.

2. DEECBS250208 – Borewell.

Sample Condition : Sealed

3. DEECBS250209 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|-------------------------|---|------|------------------------|------------------------|------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 13.38 | 3.41 | 6.65 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 750 | 920 | 910 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

N. V. V. V.
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06372526CBE, 06382526CBE.
 06392526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

1. DEECBS250207 – Borewell.

Date of Receipt : 03.07.2025.

2. DEECBS250208 – Borewell.

Sample Condition : Sealed

3. DEECBS250209 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-1 DEECBS 250207 | Sample-2 DEECBS 250208 | Sample-3 DEECBS 250209 |
|--------|------------|------------------------------------|------|------------------------------|------------------------------|------------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.720 | 0.247 | 0.086 |
| 17 | % Sodium | By Calculation | % | 43 | 23 | 21 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0116 | 0.0150 | 0.0222 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0344 | 0.0354 | 0.0374 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0770 | 0.0777 | 0.0761 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. V. V. V.
 23/7/25
 E.S

Chief Scientific Officer,
 AEL – TNPCB – CBE.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore – 641 030.
 Telephone: 0422 – 2440174. Email: gelsbe@tncb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

| | | | |
|------------------------------------|---|-----------------------------------|---|
| Report No | : 06402526CBE, 06412526CBE. 06422526CBE. | Report Date | : 23.07.2025. |
| Analysis starting Date | : 03.07.2025. | Analysis Completion date | : 23.07.2025. |
| Code No & Point of Collection | | Date of Collection | : 02.07.2025. |
| 4. DEECBS250210 – Borewell. | | Date of Receipt | : 03.07.2025. |
| 5. DEECBS250211 – Borewell. | | Sample Condition | : Sealed |
| 6. DEECBS250212 – Borewell. | | Sample Quantity | : 2.5 Litres |
| | | Sample Collected and Requested by | : Er. S. Priyanka, AE., O/o. The District Env. Engineer, Plot No. E-55A, Pollachi Main Road, Kurichi, SIDCO Industrial Estate, Coimbatore – 641 021. |

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|-----------------------------|---|------|------------------------|------------------------|------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.12 | 7.60 | 7.11 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 10 | 4 | 10 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 4192 | 76 | 3280 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 1500 | 25 | 350 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 166 | <5 | 118 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 8 | 2 | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 56 | 8 | 64 |

Remarks: < - Indicates less than minimum detectable limit.

V. Verghese
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.
Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06402526CBE, 06412526CBE.
06422526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

4. DEECBS250210 – Borewell.

Date of Receipt : 03.07.2025.

5. DEECBS250211 – Borewell.

Sample Condition : Sealed

6. DEECBS250212 – Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|-------------------------|---|------|------------------------|------------------------|------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 1.36 | 0.17 | 3.11 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 3160 | 188 | 2050 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V.Venk
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06402526CBE, 06412526CBE. **Report Date** : 23.07.2025.
 06422526CBE. **Analysis Completion date** : 23.07.2025.
Analysis starting Date : 03.07.2025. **Date of Collection** : 02.07.2025.
Code No & Point of Collection **Date of Receipt** : 03.07.2025.
4. DEECBS250210 – Borewell. **Sample Condition** : Sealed
5. DEECBS250211 – Borewell. **Sample Quantity** : 2.5 Litres
6. DEECBS250212 – Borewell. **Sample Collected and**
Requested by : Er. S. Priyanka, AE.,
 O/o. The District Env. Engineer,
 Plot No. E-55A,
 Pollachi Main Road, Kurichi,
 SIDCO Industrial Estate,
 Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-4 DEECBS 250210 | Sample-5 DEECBS 250211 | Sample-6 DEECBS 250212 |
|--------|------------|------------------------------------|------|------------------------------|------------------------------|------------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.323 | 0.387 | 0.796 |
| 17 | % Sodium | By Calculation | % | 12 | 6 | 24 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0110 | <0.0015 | 0.0119 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0367 | <0.0015 | 0.0309 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0759 | <0.006 | 0.0779 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. V. V.
23/7/25
E.S


 Chief Scientific Officer,
 AEL – TNPCB – CBE.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06432526CBE, 06442526CBE.
06452526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

7. DEECBS250213 – Borewell.

Sample Condition : Sealed

8. DEECBS250214 – Borewell.

Sample Quantity : 2.5 Litres

9. DEECBS250215 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|-----------------------------|---|------|------------------------|------------------------|------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.47 | 7.11 | 7.60 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 16 | 12 | 8 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 3678 | 4496 | 1492 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 1100 | 1600 | 545 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 120 | 105 | 80 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 30 | 26 | 6 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 176 | 152 | 32 |

V. V. V.
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06432526CBE, 06442526CBE.
06452526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

7. DEECBS250213 - Borewell.

Date of Receipt : 03.07.2025.

8. DEECBS250214 - Borewell.

Sample Condition : Sealed

9. DEECBS250215 - Borewell.

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore - 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|-------------------------|---|------|------------------------|------------------------|------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 - 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 0.84 | 1.59 | 3.60 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 2230 | 3050 | 970 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory
3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.
Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

| | | | |
|--|---|--|---|
| Report No | : 06432526CBE, 06442526CBE. 06452526CBE. | Report Date | : 23.07.2025. |
| | | Analysis Completion date | : 23.07.2025. |
| Analysis starting Date | : 03.07.2025. | Date of Collection | : 02.07.2025. |
| Code No & Point of Collection | | Date of Receipt | : 03.07.2025. |
| 7. DEECBS250213 – Borewell. | | Sample Condition | : Sealed |
| 8. DEECBS250214 – Borewell. | | Sample Quantity | : 2.5 Litres |
| 9. DEECBS250215 – Borewell. | | Sample Collected and Requested by | : Er. S. Priyanka, AE., O/o. The District Env. Engineer, Plot No. E-55A, Pollachi Main Road, Kurichi, SIDCO Industrial Estate, Coimbatore – 641 021. |

| Sl. No | Parameters | Test Method | Unit | Sample-7 DEECBS 250213 | Sample-8 DEECBS 250214 | Sample-9 DEECBS 250215 |
|--------|------------|------------------------------------|------|------------------------------|------------------------------|------------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.677 | 0.689 | 0.624 |
| 17 | % Sodium | By Calculation | % | 24 | 12 | 20 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0256 | 0.0332 | 0.0116 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0346 | 0.0299 | 0.0310 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0843 | 0.0796 | 0.0783 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. Vardha
23/7/25
E.S

A. Anand
23/7/25
Chief Scientific Officer,
AEL – TNPCB – CBE.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06462526CBE, 06472526CBE.
06482526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

10. DEECBS250216 – Borewell.

Sample Condition : Sealed

11. DEECBS250217 – Borewell.

Sample Quantity : 2.5 Litres

12. DEECBS250218 – Borewell.

Sample Collected and

Requested by

: Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|-----------------------------|---|------|-------------------------------|-------------------------------|-------------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.56 | 7.68 | 7.69 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 6 | 6 | 8 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 1648 | 1682 | 2734 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 – 4500 Cl B | mg/l | 550 | 645 | 1275 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 – 4500 SO ₄ E | mg/l | 90 | 71 | 111 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 4 | 6 | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 24 | 40 | 56 |

V. V. V.
23/7/25
E.S

[Signature]
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06462526CBE, 06472526CBE.
06482526CBE.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Date of Collection : 02.07.2025.

Code No & Point of Collection

Date of Receipt : 03.07.2025.

10. DEECBS250216 – Borewell.

Sample Condition : Sealed

11. DEECBS250217 – Borewell.

Sample Quantity : 2.5 Litres

12. DEECBS250218 – Borewell.

Sample Collected and

Requested by : Er. S. Priyanka, AE.,
O/o. The District Env. Engineer,
Plot No. E-55A,
Pollachi Main Road, Kurichi,
SIDCO Industrial Estate,
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|-------------------------|---|------|-------------------------|-------------------------|-------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 | <2 | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 | <5 | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 11.9 | 16.71 | 14.85 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 | <0.01 | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 940 | 710 | 910 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 | <0.05 | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 | <0.05 | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

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Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

| | | | |
|-------------------------------------|---|-----------------------------------|---|
| Report No | : 06462526CBE, 06472526CBE. 06482526CBE. | Report Date | : 23.07.2025. |
| Analysis starting Date | : 03.07.2025. | Analysis Completion date | : 23.07.2025. |
| Code No & Point of Collection | | Date of Collection | : 02.07.2025. |
| 10. DEECBS250216 – Borewell. | | Date of Receipt | : 03.07.2025. |
| 11. DEECBS250217 – Borewell. | | Sample Condition | : Sealed |
| 12. DEECBS250218 – Borewell. | | Sample Quantity | : 2.5 Litres |
| | | Sample Collected and Requested by | : Er. S. Priyanka, AE., O/o. The District Env. Engineer, Plot No. E-55A, Pollachi Main Road, Kurichi, SIDCO Industrial Estate, Coimbatore – 641 021. |

| Sl. No | Parameters | Test Method | Unit | Sample-10 DEECBS 250216 | Sample-11 DEECBS 250217 | Sample-12 DEECBS 250218 |
|--------|------------|------------------------------------|------|-------------------------|-------------------------|-------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 | <0.005 | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.549 | 0.247 | 0.495 |
| 17 | % Sodium | By Calculation | % | 32 | 40 | 43 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0225 | 0.0119 | 0.0202 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0303 | 0.0312 | 0.0288 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 | <0.015 | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 | <0.0008 | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0810 | 0.0816 | 0.0827 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. V. V. V.
23/7/25
E.S

(Signature)
23/7/25
Chief Scientific Officer,
AEL – TNPCB – CBE.



**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC123712500000766P

Report No : 06492526CBE.

Analysis starting Date : 03.07.2025.

Code No & Point of Collection

13. DEECBS250219 - Borewell.

Report Date : 23.07.2025.

Analysis Completion date : 23.07.2025.

Date of Collection : 02.07.2025.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore - 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|-----------------------------|---|------|-------------------------------|
| 1 | pH @ 25° C | APHA 24th Edition 2023 - 4500 H | --- | 7.51 |
| 2 | Total Suspended Solids | APHA 24th Edition 2023 - 2540 D | mg/l | 6 |
| 3 | Total Dissolved Solids | APHA 24th Edition 2023 - 2540 C | mg/l | 2526 |
| 4 | Chlorides as Cl | APHA 24th Edition 2023 - 4500 Cl B | mg/l | 1080 |
| 5 | Sulphate as SO ₄ | APHA 24th Edition 2023 - 4500 SO ₄ E | mg/l | 83 |
| 6 | BOD for 3 days @ 27°C | IS 3025 (Part 44) : 1993 | mg/l | 8 |
| 7 | COD | IS 3025 (Part 58) : 2006 | mg/l | 48 |

V. V. V. V.
23/7/25
E.S

[Dr. A. MANISEKAR]

Authorised Signatory,

Chief Scientific Officer.

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3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

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**TAMILNADU POLLUTION CONTROL BOARD,
ADVANCED ENVIRONMENTAL LABORATORY,
COIMBATORE - 641 030.**



TC-12371

REPORT OF ANALYSIS

ULR-TC12371250000766P

Report No : 06492526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

13. DEECBS250219 – Borewell.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|-------------------------|---|------|-------------------------|
| 8 | Ammonical Nitrogen | APHA 24th Edition 2023 – 4500 NH3 | mg/l | <2 |
| 9 | Total Kjeldahl Nitrogen | APHA 24th Edition 2023-4500 Norg | mg/l | <5 |
| 10 | Nitrate Nitrogen | AEL-CBE/SOP/14A Issue No.01, 20.08.2014 | mg/l | 5.42 |
| 11 | Phenolic Compounds | APHA 24th Edition 2023-5530 C | mg/l | <0.01 |
| 12 | Total Hardness | APHA 24th Edition 2023-2340 C | mg/l | 770 |
| 13 | Hexavalent Chromium | APHA 24th Edition 2023-3500 Cr- B | mg/l | <0.05 |
| 14 | Total Chromium | APHA 24th Edition 2023-3500 Cr-A&B | mg/l | <0.05 |

Remarks: < - Indicates less than minimum detectable limit.

--End of Report--

V. Vengal
23/7/25
E.S

A. Manisekar
23/7/25
[Dr. A. MANISEKAR]
Authorised Signatory,
Chief Scientific Officer.

The test result furnished relate to the sample received. The test report shall not be reproduced anywhere except in full without the written approval of Laboratory

3rd & 4th Floor, No.5, Ramasamy Nagar, Kavundampalayam, Coimbatore - 641 030.

Telephone: 0422 - 2440174, Email: aelcbe@tnpcb.gov.in



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

REPORT OF ANALYSIS

Report No : 06492526CBE.

Report Date : 23.07.2025.

Analysis starting Date : 03.07.2025.

Analysis Completion date : 23.07.2025.

Code No & Point of Collection

Date of Collection : 02.07.2025.

13. DEECBS250219 – Borewell.

Date of Receipt : 03.07.2025.

Sample Condition : Sealed

Sample Quantity : 2.5 Litres

Sample Collected and

Requested by : Er. S. Priyanka, AE.,

O/o. The District Env. Engineer,

Plot No. E-55A,

Pollachi Main Road, Kurichi,

SIDCO Industrial Estate,

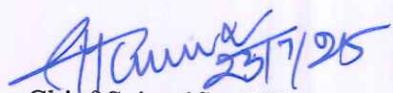
Coimbatore – 641 021.

| Sl. No | Parameters | Test Method | Unit | Sample-13 DEECBS 250219 |
|--------|------------|------------------------------------|------|-------------------------|
| 15 | Cyanide | APHA 24th Edition 2023-4500 - CN-E | mg/l | <0.005 |
| 16 | Iron Total | APHA 24th Edition 2023-3500 Fe- B | mg/l | 0.420 |
| 17 | % Sodium | By Calculation | % | 51 |
| 18 | Copper | APHA 24th Edition 2023-3111 B | mg/l | 0.0186 |
| 19 | Zinc | APHA 24th Edition 2023-3111 B | mg/l | 0.0356 |
| 20 | Lead | APHA 24th Edition 2023-3111 B | mg/l | <0.015 |
| 21 | Cadmium | APHA 24th Edition 2023-3111 B | mg/l | <0.0008 |
| 22 | Nickel | APHA 24th Edition 2023-3111 B | mg/l | 0.0886 |

Remarks: < - Indicates less than minimum detectable limit.

-- End of Report --

V. N. S.
23/7/25
E.S


 Chief Scientific Officer,
 AEL – TNPCB – CBE.

BEFORE THE HON'BLE NATIONAL
GREEN TRIBUNAL SOUTHERN
ZONE, CHENNAI

O.A.No.156 of 2024 (SZ)

{Earlier O.A.No.374 of 2024 (PB)}

WITH

O.A. No.127 of 2022(SZ)

Tribunal on its own motion SUO MOTU
based on the news item published in
'The Hindu' dated 07.04.2024, titled
"Fire breaks out at Vellalore landfill
in Coimbatore"

And

Central Pollution Control Board
Through its Member Secretary,
New Delhi and Others.

...Respondents

WITH

K.S. Mohan, Coimbatore.

...Applicant.

-Vs-

1. The Corporation of Coimbatore
Represented by its Commissioner
Coimbatore and Others.

...Respondents

ADDITIONAL REPORT FILED ON
BEHALF OF THE TAMIL NADU
POLLUTION CONTROL BOARD

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

Date:06.08.2025.

Date of Hearing: 07.08.2025