

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

Original Application No.100 of 2021 (SZ)

Tribunal on its own motion
Suo Motu based on the News item
published in The Hindu Newspaper,
Chennai Edition Dt.09.04.2021,
"Dumping of garbage Foiled near
Anamalai, trucks seized".

...Applicant

Versus

The Chief Secretary to Govt.
of Tamil Nadu, Govt. Secretariat,
Fort St. George Chennai,
Tamil Nadu – 600 009 and Others

...Respondent(s)

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Advocate for the Respondent: TNPCB

Tr. S. Sai Sathya Jith,
Advocate, Chennai.

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

ORIGINAL APPLICATION NO. 100 of 2021 (SZ)

Tribunal on its own motion SUO MOTU
Based on the News Item in the Hindu Newspaper,
Chennai edition dated 09.04.2021, "Dumping of
garbage foiled near Anamalai, trucks seized"

...Applicant

Vs

1. The Chief Secretary to Government of Tamil Nadu,
Govt. Secretariat, Fort St. George,
Chennai, Tamil Nadu -600 009.
2. The Chief Secretary,
Government of Kerala,
Govt. Secretariat,
Thiruvananthapuram-695 001.
3. The Principal Secretary to Govt. of Tamil Nadu,
Health and Family Welfare Department,
Govt. Secretariat, Fort St. George,
Chennai-600 009.
4. The Principal Secretary to Govt. of Kerala,
Health and Family Welfare Department,
Room No. 603, 6th Floor, Annex II,
Secretariat, Thiruvananthapuram-695 001.
5. The Secretary to Govt. of Tamil Nadu,
Department of Environment and Forests,
Govt. Secretariat, Fort St. George,
Chennai- 600 009.
6. The Principal Secretary to Govt. of Kerala,
Department of Environment,
Thiruvananthapuram-.
7. The Additional Chief Secretary to Govt. of Tamil Nadu,
Revenue and Disaster Management Department,
Chennai, Tamil Nadu- 600 009.

R. Jayaram
13/11/2022

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

8. The Principal Secretary to Govt. of Kerala,
Department of Revenue and Disaster Management,
Thiruvananthapuram-695 001
9. Additional Chief Secretary to Govt. of Tamil Nadu,
Municipal Administration and Water Supply Department,
Chennai, Tamil Nadu- 600 009.
10. The Additional Chief Secretary to Govt. of Kerala,
Local Self Government Department,
Thiruvananthapuram-695 009.
11. The Chairman,
Tamil Nadu Pollution Control Board,
Chennai, Tamil Nadu- 600 032.
12. The Chairman,
Kerala State Pollution Control Board,
Thiruvananthapuram.
13. The District Collector,
Coimbatore District,
14. The District Collector,
Thrissur District
15. Anamalai Town Panchayat,
Rep by its Executive Officer,
Anaimalai-642 104.

...Respondent(s)

REPORT FILED ON BEHALF OF THE RESPONDENT -
TAMIL NADU POLLUTION CONTROL BOARD

I, R. Rajamanickam, S/o P.M. Ramasamy, Hindu, aged about 57 years, having my office at No. 76, Mount Salai, Guindy, Chennai - 600032, do hereby solemnly affirm and sincerely state as follows:-


13/1/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

1. I am the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai and I am filing this Status Report on behalf of the Respondent Tamil Nadu Pollution Control Board and as such I am well acquainted with the facts of the case as per records.

2. It is respectfully submitted that the Hon'ble National Green Tribunal (Southern Zone) in its order dated 11.08.2021 has directed as follows :

"Para 09: Learned Counsel appearing for Tamil Nadu Pollution Control Board wanted some time to submit a detailed report regarding the subsequent incident that occurred in Thenkasi and also further action taken report in respect of action taken in the subject matter which is under consideration for which he wants some time.

"Para 10: On getting further report from Tamil Nadu Pollution Control Board regarding the Thenkasi incident as well, we think that all these things can be cumulatively considered by this Tribunal and a comprehensive directions can be given as to how such things will have to be evaluated by the respective State Governments to prevent such mischief being repeated in future.

"Para 11: In the meantime, the Kerala Pollution Control Board and Tamil Nadu Pollution Control Board are directed to consider the question as to whether any continuous online monitoring system can be developed to monitor the total input of raw materials procured, produced and how it is being used and disposed of. If this system is evolved, any mischief committed by the Health care units can be detected and if it is linked online to the Tamil Nadu Pollution Control Board, then they can find out whether there is any gap between the actual generation and disposal by the Health care units. The practicability and feasibility of this will have to be examined by the regulators, namely the respective State Pollution


13/11/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

Control Boards and Central Pollution Control Board and if it is feasible and practical, then necessary directions will have to be issued to develop this system in order to protect environment against misuse of the provisions by the violators”.

Action taken on newspaper report regarding the electronic wastes from kerala has been disposed at Kuripankulam village, Alangulan Taluk, Tenkasi district:

3. It is respectfully submitted that the complaint site was inspected by the TNPCB officials of Tirunelveli district on on 23.08.2021 at 9.30AM and during inspection it was noticed that plastic waste (mainly automobile related plastics and packing materials) of about 1.0 Ton were found disposed on land close to South Parayankulam at Mayamankurichi Revenue Village located between the roads connecing Kuripankulam and Kidarankulam. Based on the inspection, the concerned Alangulam Block Development Officer (BDO), was also informed and site was inspected along with BDO. Further, the Alangulam BDO was requested to take necessary action to remove the plastic waste from the area and to dispose as per the Solid Waste Management Rules, 2016 vide DEE, TNPCB, Tirunelveli letter dated: 23.08.2021.

4. It is respectfully submitted that Alangulam BDO has removed the said plastic wastes from the complaint site immediately on the same day and vide letter dated 23.08.2021 has informed the action taken to District Collector, Tenkasi.


13/11/2021
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

Action taken on Hindu Newspaper Report regarding the dumping of garbage foiled near Anamalai, trucks seized: (the subject matter which is under consideration)

5. It is respectfully submitted that, a letter has been addressed to the Chairman, Kerala State Pollution Control Board, requesting to take appropriate measures to curtail the unauthorised movement of the biomedical waste and further dumping inside the Tamil Nadu besides taking up to the Kerala State Government so as to intensify the checking at the borders of Kerala and to prevent transportation and dumping of biomedical waste or any solid waste to the state of Tamil Nadu vide letter dated:13.12.2019.

6. It is respectfully submitted that, further the TNPCB has issued directions to the Commissioner, Transport Department, the Director General of Police, and the Commissioner, Commercial Taxes Department, Chennai vide letter dated: 03.01.2020 to ensure that, the check post authorities of Tamil Nadu, should have a strict vigil in the check post located at the border of Tamil Nadu and Kerala and also ensure that no vehicle with the solid waste/ biomedical waste is allowed into the state of Tamil Nadu. The action taken report was not received from the above respective authorities. Therefore, the TNPCB vide letter dated 24.12.2021 has again requested the Commissioner, Transport department, Chennai the Director General of Police, and the Commissioner, Commercial taxes Department, Chennai to take


13/1/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

necessary immediate action and furnish the action taken report. The report is awaited from the authorities.

7. It is respectfully submitted that, a committee has been formed with District Collector as Chairman along with Revenue, Police, Commercial Taxes, Transport, Local Bodies and TNPCB officials in the Coimbatore & Kanyakumari Districts for continuous monitoring of illegal transportation of the waste from Kerala. A team has been formed by RDO, Tenkasi comprising of officials of Revenue, Health Service and Police to inspect the other vehicles to ensure if any bio-medical waste is transported with other waste.

8. It is respectfully submitted that, based on the article in Deccan Herald on February, 16 2020 has been published stating that " Kerala chokes Karnataka with toxic waste"-Biomedical waste from Kerala state is illegally dumped in Chamarajanagar, Kodagu and Mysore districts and also in neighbouring districts in Tamil Nadu, the CPCB has proposed to conduct a meeting with the concerned officials of all departments from Kerala, Karnataka, and Tamil Nadu states, vide letter dated:17.02.2020. The meeting is yet to be conducted by the CPCB.

9. It is respectfully submitted that further the complaint prone site was inspected by the TNPCB officials of Coimbatore(South) on 02.12.2021 along with the officials of Anaimalai Panchayat Union, Revenue Department, Police Department, Tamil Nadu Agriculture University, Coimbatore. During inspection, the following observations were noticed:


2/11/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

- i. Illegally dumped garbage solid waste were still found in the dump site and yet to be disposed scientifically.
- ii. Three earthen points were found dumped with solid waste in plastic bags and covered with soil to hide the same. The pits are unearthened using JCB excavator and solid waste samples were collected in all the three pits by the officials of Tamil Nadu Agricultural University and to carry out the same for analysis. ROA awaited.
- iii. During the unearthing of the pits in the complaint prone site, unbearable strength smell was felt in the area.
- iv. In two of such pit where in stagnation of leachate were observed due to the recent rain. Two leachate samples were collected by the officials of Tamil Nadu Agricultural University and to carry out the same for analysis. ROA awaited.
- v. It was stated by the Sub inspector, Anamalai Police station, Anamalai that the First Investigation Reportn (FIR) is still under investigation.

10. It is respectfully submitted that the leachate sample was collected on 20.08.2021 in the compliant prone area and forwarded to the Tamilnadu Agricultural University, Coimbatore for analysis. The result of analysis reveals that the parameters such as Total Zince (mg/l), Total Copper (mg/L), Total Chromium (mg/L) & Total Lead (mg/L) are beyond maximum permissible limit and pH, EC (dS m-1), Total arsenic (mg/l), Total Nickel (mg/L) & Total Cadmium (mg/L) are within the CPCB


13/11/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

permissible limits of inland water. A copy of Tamilnadu Agricultural University, Coimbatore report dated 23.08.2021 is enclosed as Annexure.

Under the above circumstances, it is humbly prayed that this Hon'ble National Green Tribunal 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.

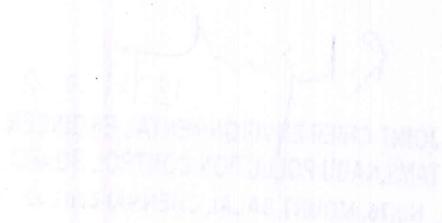

13/11/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

BEFORE ME

VERIFICATION

I, R. Rajamanickam, S/o. P.M. Ramasamy, working as Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai, do hereby verify that the contents of above report are true to the best of my knowledge through records.


13/11/2022
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.


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

ANNEXURE



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT

Dr. M. Maheswari, Ph.D.,
Professor and Head
Department of Environmental Sciences
Coimbatore - 641 003

Phone 0422 - 6611252
e-mail: environment@tnau.ac.in

To
The District Environmental Engineer
Tamil Nadu Pollution Control Board
Coimbatore South
Plot No 55A, SIDCO Industrial Estate
Pollachi Main Road, Kurichi
Coimbatore 641 021

No. TNAU/ ENS/ NGT/ Dumping Garbage in Aanaimalai / Soil and Water / Analytical
Report / 2021 dt 23.08.2021

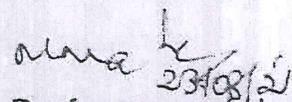
Sir,

Sub: TNPC Board – National Green Tribunal – Dumping of garbage near
Aanaimalai hills – soil and water test – analytical reports – regarding

Ref: Letter No. DEE/ TNPCB/ CBS/ NGT/ O.A No. 100 of 2021/ 2021 dated
12.7.2021

As per the reference cited, in order to ascertain the allegations made on dumping of
garbage in Aanaimalai hills, a field visit was performed by our
scientist Dr K. Sara Parwin Banu, Professor (ENS) along with TNPCB experts
Mr. Selvaganapathy, AEE (Coimbatore). Eight soil and 2 water samples were collected from
the waste dumped sites. The Analytical reports are enclosed herewith for your kind perusal

The credit bill towards the cost of analyses of soil and water samples amounts to Rs
34,220/- (inclusive of GST) is enclosed. The payment may kindly be made as Demand Draft in
the name of Professor and Head, Department of Environmental Sciences, TNAU, Coimbatore


23/08/21
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 003

Copy to the TPO to Vice-Chancellor, TNAU, Coimbatore-03
Copy submitted to the Director, DNRM, TNAU, Coimbatore-03



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-1 Surface)
Location : Samples collected from foot hills of Semmedu
Latitude : 10.5736112; Longitude: 76.8680572
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.55	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.92	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.62	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	320	Total Chromium (mg/kg)	15*
Available Phosphorus (kg/ha)	20	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	210	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit

*Below Permissible Limit

Inference

The available nitrogen, available phosphorus and available potassium were in the medium range of soil fertility rating

Note : The above results are communicated with the following conditions

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way, this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
- Its use for publicity, arbitration or as evidence in legal disputes is strictly forbidden

Rema
27/08/24
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 003



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-1 Subsurface)
Location : Samples collected from foot hills of Semmedu
Latitude : 10.5736112; Longitude: 76.8680572
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.4	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.89	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.46	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	350	Total Chromium (mg/kg)	14*
Available Phosphorus (kg/ha)	18	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	240	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit

*Below Permissible Limit

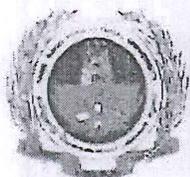
Inference

The available nitrogen, available phosphorus and available potassium were in the medium range of soil fertility rating

Note : The above results are communicated with the following conditions

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Uma
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 003



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-2 Surface)
Location : Samples collected from foot hills of Semmedu
Latitude : 10.5980558; Longitude: 76.8761138
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	8.5	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	1.2	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.66	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	300	Total Chromium (mg/kg)	14*
Available Phosphorus (kg/ha)	16	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	200	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit

*Below Permissible Limit

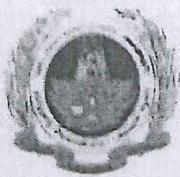
Inference

The available nitrogen, available phosphorus and available potassium were in the medium range of soil fertility rating

Note : The above results are communicated with the following conditions.

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way, this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
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Nema
23/09/21
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 004



TAMIL NADU AGRICULTURAL UNIVERSITY
 DEPARTMENT OF ENVIRONMENTAL SCIENCES
 DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
 COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-2 Subsurface)
Location : Samples collected from foot hills of Semmedu
 Latitude : 10.5980558; Longitude: 76.8761138
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	8.42	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.98	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.44	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	360	Total Chromium (mg/kg)	14.5*
Available Phosphorus (kg/ha)	24	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	260	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit
 *Below Permissible Limit

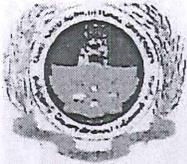
Inference

The available nitrogen and available potassium were in the medium range of soil fertility rating.
 The available phosphorus was in the high range of soil fertility rating

Note : The above results are communicated with the following conditions.

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- In no way, this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
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(Signature)
Professor and Head
Environmental Sciences
 Professor and Head
 Department of Environmental Sciences
 Tamil Nadu Agricultural University
 Coimbatore-641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-3 Surface)
Location : Samples collected from foot hills of Semmedu
Latitude : 10.5880658; Longitude: 76.8861138
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.41	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.62	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.78	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	330	Total Chromium (mg/kg)	13.5*
Available Phosphorus (kg/ha)	14	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	190	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit
*Below Permissible Limit

Inference

The available nitrogen, available phosphorus and available potassium were in the medium range of soil fertility rating

Note : The above results are communicated with the following conditions

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way, this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
- Its use for publicity, arbitration or as evidence in legal disputes is strictly forbidden

Signature
23/08/21
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 002



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Heap-3 Subsurface)
Location : Samples collected from foot hills of Semmedu
Latitude : 10.5880658; Longitude: 76.8861138
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.25	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.83	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.61	Total Copper(mg/kg)	BDL
Available Nitrogen (kg/ha)	240	Total Chromium (mg/kg)	14*
Available Phosphorus (kg/ha)	12	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	230	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit
*Below Permissible Limit

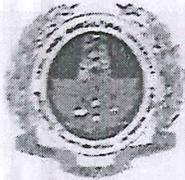
Inference

The available nitrogen, available phosphorus and available potassium were in the medium range of soil fertility rating

Note : The above results are communicated with the following conditions

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way, this can be claimed as a complete composition / makeup of the sample
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(Signature)
Professor and Head
Environmental Sciences
 Professor and Head
 Department of Environmental Sciences
 Tamil Nadu Agricultural University
 Coimbatore-641 003



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Ash Surface)

Location : Samples collected from foot hills of sermadu
Latitude : 10.5740683; Longitude : 76.8680948

Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	8.1	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.41	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.93	Total Copper(mg/kg)	39*
Available Nitrogen (kg/ha)	360	Total Chromium (mg/kg)	15*
Available Phosphorus (kg/ha)	10	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	300	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit

*Below Permissible Limit

Inference

The available nitrogen was in the medium range whereas available phosphorus in the low range of soil fertility rating. The available potassium was in the high range of soil fertility rating

Note : The above results are communicated with the following conditions

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
- Its use for publicity, arbitration or as evidence in legal disputes is strictly forbidden

(Signature)
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 003



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Soil Sample (Ash Subsurface)
Location : Samples collected from foot hills of semmadu
Latitude : 10.5740683; longitude : 76.8680946
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.9	Total lead (mg/kg)	BDL
EC (dS m ⁻¹)	0.69	Total Zinc(mg/kg)	BDL
Organic Carbon (%)	0.89	Total Copper(mg/kg)	1.5*
Available Nitrogen (kg/ha)	280	Total Chromium (mg/kg)	15*
Available Phosphorus (kg/ha)	10	Total Nickel (mg/kg)	BDL
Available Potassium (kg/ha)	300	Total Cadmium (mg/kg)	BDL
Total Mercury (mg/kg)	BDL	Total Arsenic (mg/kg)	BDL

BDL -Below Detectable Limit

*Below Permissible Limit

Inference

The available nitrogen was in the medium range whereas available phosphorus in the low range of soil fertility rating. The available potassium was in the high range of soil fertility rating.

Note : The above results are communicated with the following conditions

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
- In no way, this can be claimed as a complete composition / makeup of the sample
- This communication cannot be treated / recommended as a certificate
- Its use for publicity, arbitration or as evidence in legal disputes is strictly forbidden

new
23/08/21
Professor and Head
Environmental Sciences
Professor and Head
Department of Environmental Sciences
Tamil Nadu Agricultural University
Coimbatore-641 003



TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DIRECTORATE OF NATURAL RESOURCE MANAGEMENT
COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Water sample (Sample - 1)
Location : Samples collected from foot hills of Semmedu
Latitude: 10.5791958; Longitude: 76.8681248
Parameters analyzed : As below

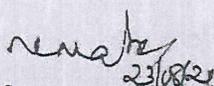
Result

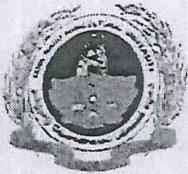
Parameters	Values	Parameters	Values
pH	7.5	Total Copper (mg/l)	BDL
EC (dS m ⁻¹)	0.72	Total Chromium (mg/l)	4*
Total Mercury (mg/l)	BDL	Total Nickel (mg/l)	BDL
Total lead (mg/l)	BDL	Total Cadmium (mg/l)	BDL
Total Zinc (mg/l)	BDL	Total Arsenic (mg/l)	BDL

BDL - Below Detectable Limit
*Above Permissible Limit

Note: The above results are communicated with the following conditions.

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COIMBATORE - 641 003



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of sample : Water Sample (Sample-2)
Location : Samples collected from foot hills of Semmedu
Latitude: 10.5791958; Longitude: 76.8681248
Parameters analyzed : As below

Result

Parameters	Values	Parameters	Values
pH	7.61	Total Copper (mg/l)	BDL
EC (dS m ⁻¹)	0.63	Total Chromium (mg/l)	6.5*
Total Mercury (mg/l)	BDL	Total Nickel (mg/l)	BDL
Total lead (mg/l)	BDL	Total Cadmium (mg/l)	BDL
Total Zinc (mg/l)	BDL	Total Arsenic (mg/l)	BDL

BDL -Below Detectable Limit
*Above Permissible Limit

Note: The above results are communicated with the following conditions.

- The results indicate only the actual content of parameters requested by the stakeholders for the samples provided by them
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Signature
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**TAMIL NADU AGRICULTURAL UNIVERSITY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
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COIMBATORE - 641 003**



ANALYTICAL AND ADVISORY UNIT

ANALYTICAL REPORT

Nature of Sample : Water
Location : Samples collected from foot hills of semmadu
Parameters analyzed : As below

Result

Parameters	Values	CPCB Permissible limits for Inland water	Parameters	Values	CPCB Permissible limits for Inland water
pH	7.35		Total Arsenic (mg/l)	0.088	0.20
EC (dS m ⁻¹)	1.80		Total Nickel (mg/l)	1.65	3.00
Total Zinc (mg/l)	6.23*	5.00	Total Cadmium (mg/l)	0.003	2.00
Total Copper (mg/l)	6.91*	3.00	Total Lead (mg/l)	0.84*	0.1
Total Chromium (mg/l)	2.34*	0.1			

*Beyond Maximum Permissible Limit

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L.P. 16/9/21

**Professor and Head
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Professor & Head
Department of Environmental - Sciences
Tamil Nadu Agricultural University
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BEFORE THE NATIONAL GREEN
TRIBUNAL
SOUTHERN ZONE AT CHENNAI.

ORIGINAL APPLICATION NO. 100 of
2021 (SZ)

Tribunal on its own motion SUO MOTU
Based on the News Item in the Hindu
Newspaper,
Chennai edition dated 09.04.2021,
"Dumping of
garbage foiled near Anamalai, trucks
seized"

...Applicant

Versus

The Chief Secretary to Govt.
of Tamil Nadu, Govt. Secretariat,
Fort St. George Chennai,
Tamil Nadu – 600 009 and Others

...Respondent(s)

REPORT FILED ON BEHALF OF THE
3RD RESPONDENT – TAMIL NADU
POLLUTION CONTROL BOARD

Date: 13.01.2022

Date of Hearing:28.01.2022

