

ஆண்டறிக்கை மற்றும் ஆண்டு கணக்குகள்
ANNUAL REPORT & ANNUAL ACCOUNTS

2023 - 2024



தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்
Tamil Nadu Pollution Control Board

ANNUAL REPORT

2023 – 2024



TAMIL NADU POLLUTION CONTROL BOARD

76, MOUNT SALAI, GUINDY, CHENNAI – 600 032

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PART – I

ANNUAL REPORT

2023 – 2024

CHAPTER - I

INTRODUCTION

1.1 Formation of Tamil Nadu Pollution Control Board

Government of Tamil Nadu constituted the “Tamil Nadu Prevention and Control of Water Pollution Board” vide G.O.Ms.No.340, Health and Family Welfare Department, Dated 19-02-1982 under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6) and issued Gazette notification on 27th February 1982 and the Board came into existence on the same day. Later recognizing the Board's diverse functions, it has been renamed as “Tamil Nadu Pollution Control Board (TNPCB)”.

The TNPCB is a regulatory body, enforces the following Acts, Rules and Notifications as amended, in the entire State of Tamil Nadu:

- The Water (Prevention and Control of Pollution) Act, 1974.
- The Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983.
- The Air (Prevention and Control of Pollution) Act, 1981.
- The Tamil Nadu Air (Prevention and Control of Pollution) Rules, 1983.
- The Environment (Protection) Act, 1986 and the Rules made there under, which includes
 - The Environment (Protection) Rules, 1986.
 - Manufacture, Storage and Import of Hazardous Chemical Rules, 1989
 - Fly Ash Utilization Notification, 1999.
 - The Noise Pollution (Regulation and Control) Rules, 2000.
 - The Environment Impact Assessment Notification, 2006.
 - Coastal Regulation Zone Notification, 2011.
 - The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
 - The Bio-Medical Waste Management Rules, 2016.
 - The Solid Waste Management Rules, 2016.
 - The Construction and Demolition Waste Management Rules, 2016.
 - The E-Waste (Management) Rules, 2022.
 - The Battery Waste Management Rules, 2022.
 - The Plastic Waste Management Rules, 2024.

The Tamil Nadu Pollution Control Board (TNPCB) operates under the administrative supervision of the Environment, Climate Change, and Forest Department of Tamil Nadu.

1.2 Functions

The main functions of TNPCB under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 are as follows:

- To plan a comprehensive programme for the prevention, control and abatement of pollution of streams and wells and air pollution in the State and to secure the execution thereof;
- To advise the State Government on any matter concerning the prevention, control or abatement of water and air pollution;
- To collect and disseminate information relating to water and air pollution and the prevention, control or abatement thereof;
- To inspect sewage or trade effluents, works and plants for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by the Act;
- To inspect at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution;
- To inspect air pollution control areas at such intervals as it may think necessary, assess the quality of air therein and take steps for the prevention, control or abatement of air pollution in such areas;
- To lay down, modify or annul effluent standards for the sewage and trade effluents and for the quality of receiving waters resulting from the discharge of effluents and to classify waters of the State;

I. INTRODUCTION

- To lay down, in consultation with the Central Pollution Control Board (CPCB), standards for emission of air pollutants into the atmosphere from industrial plants and automobiles or for the discharge of any air pollutants into the atmosphere from any other source;
- To evolve economical and reliable methods of treatment of sewage and trade effluents;
- To evolve methods of utilization of sewage and suitable trade effluent in agriculture;
- To evolve efficient methods of disposal of sewage and trade effluents on land;
- To collaborate with CPCB and other reputed research institutions, in organizing the training of persons engaged or to be engaged in programme relating to prevention, control or abatement of water and air pollution and to organize mass education programme relating thereto;
- To encourage, conduct and participate investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- To advise the State Government with respect to the location of any industry, the carrying on of which, is likely to pollute a stream or well or cause air pollution;
- To establish or recognize laboratory or laboratories to enable TNPCB to perform its functions under this section efficiently, including the analysis of samples of water from any stream or well or of samples of any sewage or trade effluents and analysis of ambient air and emission through chimneys of industries;
- To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by CPCB or the State Government.

I. INTRODUCTION

As per the Rule 37 of the Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983, Annual Report for each year giving true and full account of the activities of the Board during that year shall be prepared and submitted to the Government. Accordingly, this Annual Report for the Financial Year 2023-2024 is prepared. The report is presented in the subsequent chapters.

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CHAPTER - II

CONSTITUTION OF THE BOARD

2.1 Constitution of TNPCB

As per the provisions of Section 4 of the Water (Prevention & Control of Pollution) Act, 1974, the TNPCB shall consist of the following members:

- (a) a Chairman, being a person having special knowledge or practical experience in respect of matters relating to environmental protection or a person having knowledge and experience in administering institutions dealing with the matters aforesaid, to be nominated by the State Government;
- (b) such number of officials, not exceeding five, to be nominated by the State Government to represent that Government;
- (c) such number of persons, not exceeding five, to be nominated by the State Government, from amongst the members of the local authorities functioning within the State;
- (d) such number of non-officials, not exceeding three to be nominated by the State Government, to represent the interest of agriculture, fishery or industry or trade or any other interest which, in the opinion of the State Government, ought to be represented;
- (e) two persons to represent the companies or corporations owned, controlled or managed by the State Government, to be nominated by the Government;
- (f) a full time Member Secretary, possessing qualifications, knowledge and experience of scientific, engineering or management aspects of pollution control, to be appointed by the State Government.

List of Board Members from 01.04.2023 to 31.03.2024

Sl. No.	Board Members	Position	From	To
1.	Dr. JAYANTHI .M, I.F.S., Chairperson Tamil Nadu Pollution Control Board, Guindy, Chennai – 600 032.	Member	01.04.2023	31.3.2024

II. CONSTITUTION OF THE BOARD

Sl. No.	Board Members	Position	From	To
2.	Tmt. SUPRIYA SAHU, I.A.S., Additional Chief Secretary to Government, Environment, Climate Change and Forests Department, Fort St. George, Secretariat, Chennai – 600 009.	Member	01.04.2023	31.3.2024
3.	Thiru. G.K ARUN SUNDAR THAYALAN, I.A.S., Additional Secretary to Government, Finance Department, Secretariat, Fort St. George, Chennai - 600 009.	Member	01.04.2023	31.5.2023
4.	Thiru. SIBI ADHITHYA SENTHIL KUMAR, I.A.S., Deputy Secretary to Government, Finance Department, Secretariat, Fort St. George, Chennai - 600 009.	Member	01.06.2023	31.3.2024
5.	Thiru. B. GANESAN, I.A.S., Director, Directorate of Town and Country Planning, Chengalvarayan Building, IV Floor, 807, Anna Salai, Chennai - 600 002.	Member	01.04.2023	31.3.2024
6.	Thiru V.VISHNU , I.A.S., Managing Director & C.E.O Tamil Nadu Industrial Guidance and Export Promotion Bureau, 19-A,RukmaniLakshmiipathy Salai, Egmore, Chennai -600 008.	Member	01.04.2023	31.3.2024
7.	Thiru M.V.SENTHIL KUMAR, M.E., Director(FAC) Directorate of Industrial Safety and Health, T.S.No.47/1, SIDCO Industrial Estate, Guindy, Chennai – 600 032.	Member	01.04.2023	31.3.2024
8.	DR. T.S. SELVAVINAYAGAM, M.D., DPH, DNB., Director of Public Health and Preventive Medicine, Chennai – 600 006.	Member	01.04.2023	31.3.2024
9.	Thiru. R. KANNAN, M.Tech., Member Secretary,Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai – 600 032.	Member Convener	01.04.2023	31.3.2024
10	Tmt. H.PRABHAVATHY, B.E., General Manager (Project) SIPCOT, 194, Marshall Road, Chennai – 600 008.	Member	01.04.2023	31.3.2024

II. CONSTITUTION OF THE BOARD

Sl. No.	Board Members	Position	From	To
11	Thiru. K. DAKSHINAMOORTHY , 1/23, Chinnapuliyur, Ezhavamalai Post, Bhavani Taluk, Erode 638 316.	Non-Official member	01.04.2023	31.3.2024
12	Thiru. A. ALAGARASAN, B.Sc. , 78, Sabapathi Street, Kalarampatti, Erumapalayam Post, Salem 636 115.	Non-Official member	01.04.2023	31.3.2024
13	Thiru N. TAMILMANI, BA. , 4/23, Ammapalayam, S. Attiyampatti Post, Mallur via, Salem 636 203	Non-Official member	01.04.2023	31.3.2024

2.2 Organisational Set Up

The TNPCB has a three-tier structure: Head Office, Zonal Offices, and District Offices (see Annexure I for the Organization Chart). The Head Office, based in Chennai, is led by the Chairman. The Member Secretary, as the Executive Head, holds powers defined for the Board/Chairman. Head office has many wings for their functioning like technical, laboratory, finance, personnel and admin, audit etc. There are 9 Zonal Offices headed by Joint Chief Environmental Engineers (Monitoring) and 38 District Offices and headed by District Environmental Engineers and 5 flying Squads coming under these 9 regional offices. In addition to the above, 3 Assistant Environmental Engineer Offices are functioning at 3 Hot spot areas namely Manali, Mettur & Ranipet (Annexure I & II).

2.3 Laboratories

TNPCB has established 8 Advanced Environmental Laboratories (AELs) and 10 District Environmental Laboratories (DELs) to assist the Board in monitoring the industries, water bodies viz., Ambient Air & Water Quality of the State. The AELs at Coimbatore, Vellore, Trichy and Tirunelveli are NABL accredited laboratory as per ISO / IEC 17025:2017 and other laboratories such as Chennai, Cuddalore, Madurai and Salem are in the process of renewal of accreditation. DELs are in the process of getting accreditation as well as the laboratories are in the process of establishment of Microbiology wing.

During the year 2023-2024, 38,032 samples of water, sewage and trade effluents were collected and analyzed. Stack monitoring and ambient air quality survey including

II. CONSTITUTION OF THE BOARD

complaint was conducted in 1659 units. Laboratory wise details are given in Annexure-III A &B.

Sl. No.	Location of Laboratory	Districts Covered	Analytical Facilities Available
Advanced Environmental Laboratories (AEL)			
1	Chennai	Chennai, Ambattur, Sriperumbudur	Analytical Balance, AOX Analyser, Atomic Absorption Spectrophotometer with Graphite furnace, Bacteriological Incubator, BOD Incubator, CO Analyser, COD Digester, Cold Room, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM2.5, Flame Photometer, Flue Gas Analyser, FTIR, Gas Chromatograph, ICP-MS, Microbalance, Mercury Analyser, Muffle Furnace, Ozone Analyser, pH Meter, Respirable Dust Sampler PM10, Rotary Evaporator, Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, TOC Analyser, Turbidity meter, UV Visible Spectrophotometer, VOC Analyser, Wind monitoring Kit.
2	Coimbatore	Coimbatore and Nilgiris	
3	Cuddalore	Cuddalore, Villupuram, Mayiladuthurai and Thiruvavur.	
4	Madurai	Madurai, Sivagangai, Virudhunagar, Ramanathapuram	
5	Salem	Salem, Erode, Namakkal, and Dharmapuri	
6	Vellore	Vellore, Vaniyambadi, Tiruvannamalai	
7	Trichy	Trichy, Pudukottai, Thanjavur, Ariyalur	
8	Tirunelveli	Tirunelveli, Nagercoil	
District Environmental Laboratories (DEL)			
9	Ambattur	Tiruvallur	Analytical Balance, Bacteriological Incubator, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM2.5, Flame Photometer, Muffle Furnace, pH Meter, Respirable Dust Sampler PM10, Semi Micro Balance, Sound Level Meter, Stack Monitoring Kit, TKN Analyser, Turbidity Meter, UV Visible Spectrophotometer.
10	Dindigul	Dindigul, Theni, Karur	
11	Hosur	Krishnagiri and Dharmapuri	
12	Manali	Chennai and Tiruvallur	
13	Maraimalai Nagar	Chengalpattu	
14	Thoothukudi	Thoothukudi	
15	Tiruppur	Tiruppur and Erode	
16	Perundurai	Erode	
17	Orgadam	Sripermpudur	
18	Nagapattinam	Nagapattinam	

II. CONSTITUTION OF THE BOARD

2.4 Details of Staff Strength

Total sanctioned post is 1118 which including Engineers, Scientists, Administration, Accounts and Miscellaneous Staffs. Details of staff strength as on 31.03.2024 are given below:

Sl.No	Designation	Sanctioned	Present strength	Vacant
1	Chairperson	1	1	0
2	Member Secretary	1	1	0
3	Engineering Service	311	230	81
4	Engineering Subordinate Service	12	6	6
5	Scientific Service	126	97	29
6	Scientific Subordinate Service	90	67	23
7	General Service	43	21	22
8	General & Subordinate Service	428	192	236
9	Miscellaneous Services	26	0	26
10	Basic Services	79	10	69
11	Financial Adviser (Deputation)	1	1	0
Total		1118	626	492

The break-up details of staff strength in each service is given below:

Sl.No	Designation	Sanctioned	Present strength	Vacant
Engineering Services				
1.	Chief Environmental Engineer	2	0	2
2.	Additional Chief Environmental Engineer	2	2	0
3.	Joint Chief Environmental Engineer	16	15	1
4.	Environmental Engineer	65	65	0
5.	Assistant Environmental Engineer	56	56	0
6.	Assistant Engineer	169	92	77
7.	Assistant Engineer (Auto)	1	-	1
	Total – B	311	230	81
Engineering Subordinate Service				
1	Junior Engineer (Electrical)	1	0	1
2	Junior Engineer (Civil) (Technical Assistant (Civil) upgraded)	1	1	0
3	Assistant Draughtsman	3	0	3
4	Electrician (Grade-I)	6	4	2
5	Technical Assistant	1	1	0
	Total – C	12	6	6
As per G.O Ms.No.75 dated 14.07.16 Junior Engineer (Civil) the post shall be reverted back to Technical Assistant either on the superannuation or on the exit of the individual from TNPCB				

II. CONSTITUTION OF THE BOARD

Sl.No	Designation	Sanctioned	Present strength	Vacant
Scientific Service				
1	Deputy Director (Lab)	2	1	1
2	Assistant Director (Lab)	10	2	8
3	Chief Scientific Officer	5	5	0
4	Deputy Chief Scientific Officer	29	19	10
5	Environmental Scientist	77	70	7
6	Senior Meteorologist	1	0	1
7	Meteorologist	2	0	2
	Total - D	126	97	29
Scientific Subordinate Service				
1	Jr. Environmental Scientist	6	4	2
2	Field Assistant	56	49	7
3	Lab Assistant	28	14	14
	Total - E	90	67	23
General Service				
1	Senior Manager (F&A)	1	0	1
2	Manager	2	0	2
3	Manager (Law)	1	1	0
4	Law Officer	1	0	1
5	Additional Manager	8	1	7
6	Court Master	1	0	1
7	Deputy Manager	29	19	10
	Total - F	43	21	22
General Subordinate Service				
1	Assistant Manager	64	57	7
2	General Assistant	106	21	85
3	Assistant	87	42	45
4	Private Secretary	4	3	1
5	Steno-Typist (Grade-I)	7	7	0
6	Steno-Typist(Grade-II)	17	2	15
7	Steno-Typist(Grade-III)	4	1	3
8	Typist	67	46	21
9	Driver	56	13	43 *
10	Motor cycle messenger	1	0	1 *
11	Telephone Operator	2	0	2
12	Record Clerk	13	0	13
	Total – G	428	192	236
Miscellaneous Service				
1	Statistical Officer	1	0	1
2	Assistant Statistical Officer	1	0	1
3	Librarian (Grade-I)	1	0	1
4	Librarian (Grade-II)	1	0	1
5	Programmer	6	0	6

II. CONSTITUTION OF THE BOARD

Sl.No	Designation	Sanctioned	Present strength	Vacant
6	Assistant Programmer	2	0	2
7	Data Entry Operator	14	0	14
	Total - H	26	0	26
Basic Service				
1	Office Assistant	74	5	69
2	Sweeper	4	4	0
3	Watchman	1	1	0
	Total - I	79	10	69
Deputation Staff				
1	Director Labs	1	0	1
2	Financial Advisor (deputation)	1	1	-
	Total – J	2	1	1
	Net Total (A + B+ C+ D + E + F + G + H + I +J)	1118	626	492

The table of year wise staff strength against number of industries is given in Annexure-IV.

Details of Pensioners and Family Pensioners as on 31.03.2024

Sl.No.	Details	As on 31.03.2024	During the year 2023-24	Total as on 31.03.2024
1	Pensioners	431	31	462 (26 – Deceased)
2	Family Pensioners	99	9	108 (3 – Deceased)
	Total	530	40	(Out of 570, 23 people have deceased)

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CHAPTER-III

CONSTITUTION OF THE COMMITTEES BY THE BOARD

3.1 Various Committees in TNPCB

The Tamil Nadu Pollution Control Board (TNPCB) grants consent to industries under the Water Act (1974) and the Air Act (1981), and authorize units under Rules from the Environment Protection Act (1986). To ensure effective implementation and smooth functioning, the TNPCB has established various committees under Section 9 of the Water Act (1974) and Section 11 of the Air Act (1981) at the Head Office, Zonal, and District levels to grant Consent to Establish (CTE) and Consent to Operate (CTO) for industries as per BP.No.63 dated 28.11.2017. These Committees are as follows:

I.	Technical Sub-Committee (TSC) – in Head Office – Grant Consent to 17 Category Industries and Environment Impact Assessment (EIA) attracting projects	
1	Chairman, TNPCB	Chairman
2	Member Secretary, TNPCB	Convener
3	Director of Industrial Safety and Health, Chennai	Member
4	Director of Public Health and Preventive Medicine	Member
5	All HoDs of Technical Section	Member
II	Consent Clearance Committee (CCC) - in Head Office – grant consent to Red Large and Red Medium industries	
1	Member Secretary, TNPCB	Chairman
2	Additional Chief Environmental Engineers (ACEEs), TNPCB	Member
3	Joint Chief Environmental Engineers (JCEEs), TNPCB	Member
III	Zonal Level Consent Clearance Committee (ZLCCC) – in Zonal Office - Red Small, Orange Large, Orange Medium and Green Large industries	
1	Joint Chief Environmental Engineer (Monitoring) (JCEE(M))	Committee - Head
2	All the District Environmental Engineers (DEEs) of the Zone	Members
3	Environmental Engineer (EE) – Zonal Office	Convener
IV	District Level Consent Clearance Committee(DLCCC) – in District Office - Orange Small, Green Medium and Green Small category industries	
1	District Environmental Engineer (DEE)	Committee - Head
2	Assistant Environmental Engineer (AEE)in the District Office	Member and Convener
3	All Assistant Engineers (AEs)in the District Office	Members

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

To expedite the issue of consent and to reduce work load in the Board office, the Board has delegated the powers of issuing renewal of consent to the following **Red- Large Industries** to the JCEE(M), zonal office *Vide B.P. Ms. No. 19 dated 03.04.2023.*

Sl.No	Type	Industry Sector - Types
1	1005	DG Set of Capacity ≥ 5 MVA
2	1006	Industrial carbon including electrodes and graphite blocks activated carbon, carbon black.
3	1007	Lead acid battery manufacturing (excluding assembling and charging of lead-acid battery in micro scale)
4	1008	Phosphate rock processing plant
5	1009	Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel Power Plant capacity < 25 MW)
6	1013	Fibre glass production and processing excluding moulding including Lead containing glass
7	1014	Fire crackers manufacturing and bulk storage facilities
8	1016	Milk processes and dairy products (integrated product)
9	1017	Phosphorous and its compounds
10	1018	Pulp & Paper (waste paper based without bleaching process to manufacture Kraft Paper)
11	1025	Basic chemicals and electro chemicals and its derivatives including manufacturing of acid
12	1030	Health-care Establishment (as defined in BMW Rules) having incinerator irrespective of waste generation (or) having total waste water generation 100 KLD and above (attracting EIA) {Renewal –JCEE(M)}
13	1031	Hotels having over all waste water generation @ 100 KLD and more (or) having Rooms 100 KLD and above (attracting EIA)
14	1038	Photographic film and its chemicals
15	1039	Railway locomotive workshop /Integrated Road transport workshop/ Authorized service centers having waste water generation 100 KLD & above
16	1042	Ship Breaking Industries
17	1049	Slaughter house (as per notification S.O.270(E) dated:26.03.2001) and meat processing industries, bone mill, processing of animal horn, hoofs and other body parts
18	1061	Synthetic detergents and soaps (excluding formulation) having waste water generation 100 KLD and above

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

Sl.No	Type	Industry Sector - Types
19	1062	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation 100 KLD and above
20	1063	Building and construction project more than 20,000 sq.m built up area and having waste water generation 100 KLD and above (attracting EIA)
21	1068	Manufacturing of Glass (Lead Glass only)
22	1069	Non alcoholic beverages (soft drink) & Bottling of alcohol/ non alcoholic products having waste water generation 100 KLD and above.
23	1070	Vegetable Oil manufacturing including solvent extraction and refinery/hydrogenated oils having waste water generation 100 KLD and above
24	1077	MSW sanitary land fill site
25	1081	Sewage Treatment plant
26	1084	Analytical & material testing lab
27	1085	Stone/Savudu Quarries
28	1999	Miscellaneous (Red)

3.2 Pollution Load Assessment Committee (PLAC)

To examine the applications received from the industries seeking 'No Increase in Pollution Load Certificate', TNPCB constituted PLAC vide Proceeding No. TNPCB / F.004987 / 2017, dated 02.11.2017 which was subsequently reconstituted on 11.3.2024 vide Board Proceeding No.18/11.3.2024 as per Board Resolution No.293-2-9 dated 1.3.2024 as per MOEF Notification S.O.3518 (E), dated 23rd November 2016. As per the notification, The Composition of Committee is as follows:

Sl. No	Designation of the Committee Member	Role
1	Member Secretary, TNPCB, Chennai	Chairman
2	CEE, TNPCB, Chennai	Member
3	ACEE / JCEE (Sector HOD), TNPCB, Chennai	Member – Convenor
4	Tmt. H.D. Varalakshmi, Scientist – E, Regional Director, CPCB, Chennai	Member
5	Dr. S.V. Srinivasan, Sr Principal Scientist, CSIR – CLRI, Chennai	Member
6	Dr. R. Vinu, Professor, Dept of Chemical Engineering, IIT Madras, Chennai	Member
7	Dr. S. Amalraj, Professor, Centre for Environmental Studies, Anna University	Member
8	Dr. V.T. Perarasu, Professor, Dept of Chemical Engg, AC Tech, Anna University	Member

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

3.3 Details of committee meetings held during 2023 -2024

Committee	Total No. of meetings	Total No. of subjects placed in the meetings	No. of subjects approved	No. of subjects for which additional details called for, rejected and returned
Technical Sub - Committee	13	147	139	8
Consent Clearance Committee	14	372	364	8
Zonal Consent Clearance Committee	125	1327	1303	24
District Level Consent Clearance Committee	719	3684	3654	30
Pollution Load Assessment Committee (PLAC)	2	11	11	-

Note: DLCCC subjects include Auto Renewal Applications.

The minutes of meeting of the above committees are uploaded in TNPCB web site periodically.

3.4 District Coordination Committee (DCC)

The Government, as per G.O.Ms.No.23, Environment and Forests (EC.1) Department, dated 01.03.2018, has established a District Coordination Committee (DCC) in all districts to protect the state's valuable water bodies. The committee has the authority to disconnect power and water supply, seize materials, seal premises/machinery, and evict occupants. Additionally, the committee can file criminal cases against land and unit owners. The committee is composed of the following members:

Sl. No.	Members of the Committee	Position
1	District Collector	Chairman
2	District Environmental Engineer, TNPCB	Convener
3	Environmental Engineer (Flying Squad), TNPCB (if available)	Member
4	District Superintendent of Police	Member
5	Superintending Engineer, TANGEDCO	Member
6	Executive Engineer, PWD (WRO Division)	Member
7	Revenue Divisional Officer	Member

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CHAPTER - IV

MEETINGS OF THE BOARD

4.1 Details of Board Meeting

According to Section 8 of the Water (Prevention and Control of Pollution) Act, 1974, and Section 10 of the Air (Prevention and Control of Pollution) Act, 1981, the Board is required to meet at least once every three months and follow prescribed rules and procedures for conducting business. In the year 2023-2024, the Board met four times and conducted its business as required. The details of Board Meetings held during 2023 to 2024 are as follows:

Sl. No.	Board Meeting Number / Date of meeting	No. of Subject placed	Date of Meeting
1	290	22	22.5.2023
2	291	20	27.6.2023
3	292	48	10.10.2023
4	293	42	01.03.2024
	Total	132	—

4.2 Major decisions taken by the Board for the year 2023-2024

1. Conducting a weeklong hackathon on two themes viz., “Water Saved” and “SUP Reduced” to invite solutions and innovative ideas on various challenging issues under “Mission Life”**(Resolution No.290-2-1)**.
2. Proposal to procure 50 Cloth bag (Manjappai) vending machines tentatively at a cost of Rs. 1,25,000 (Rupees One Lakh Twenty-Five thousand only) each with 18% GST through open tender procedure with the tentative total cost of Rs. 73,75,000/-**(Resolution No.291-2-2)**.
3. Proposal for the development of Waste Exchange Bureau by forming Technical Committee and inviting Vendors for software development through Tamil Nadu e-Governance Agency in association with Technical Committee at a cost of Rs.3 Crores.**(Resolution No.291-2-3)**.
4. Proposal of Capacity Building and Training Programs for Rag Pickers in all zones of the Greater Chennai Corporation to strengthen their livelihood and line the waste pickers community to improve their role in Circular Economy at a cost of 1 Crore **(Resolution No.291-2-5)**.

IV. MEETINGS OF THE BOARD

5. Tamil Nadu Fishnet Initiatives (TNFI), project to address the marine litter issues due to discarded fish net, at approximate cost of Rs.1.00 Crore (Rupees one crore) **(Resolution No.291-2-6)**.
6. Proposal for engaging an agency for Event Management, Logistics and other services in relation to the side events to G20, 4th Environment and Climate Sustainability Working Group (ECSWG) meeting and Ministerial meeting from 26th July 2023 to 28th July 2023 at Chennai at an approximate cost of Rs. 5.00 Crore. **(Resolution No.291-2-7)**.
7. Conducting soil quality mapping across industrial areas of Tamil Nadu using geospatial tools through Tamil Nadu Agricultural University(TNAU) at a restricted cost of Rs.3.00 Crores. **(Resolution No.292-2-1)**.
8. Accept the proposal of dispensing of 1 Km distance between one stone crushing unit to another stone crushing unit as recommended by the NEERI in its final report dated 09.06.2022 and to adopt the 'Environmental Guidelines for Stone Crushing units' issued by the CPCB in July 2023. **(Resolution No.292-2-2)**.
9. Installation of Coastal Litter Monitoring Kiosks at Besant Nagar Beach and another at Neelankarai Beach to carry out the awareness activities related to SUP Ban at an approximate cost of Rs.88,51,358/-. **(Resolution No.292-2-5)**.
10. One day Mega Beach Clean-up drives conducted at the cost of Rs. 51,42,347/- **(Resolution No.292-2-6)**.
11. Study on evaluation and strengthening of Tamil Nadu Pollution Control Board by M/s Ernst & Young LLP, New Delhi at a cost of Rs. 50,00,000/- Rupees Fifty Lakhs from Board's fund. **(Resolution No.293-2-3)**.
12. To conduct Environmental Impact Assessment study of Oil Spill affected areas at Ennore Creek through I.I.T-Madras, Chennai at a cost of Rs.1,03,80,000/- and to collect the same from M/s. Chennai Petroleum Corporation Limited as per Polluters Pay Principle. **(Resolution No.293-2-6)**.
13. Procurement of 20 electric bikes through applicable tender process and also to engage 20 numbers of Manjappai brigade persons at an estimated cost of Rs. 1,15,40,000/- across Chennai, Coimbatore, Trichy and Madurai Corporations.**(Resolution No.293-2-10)**.

IV. MEETINGS OF THE BOARD

14. Development of park in the OSR land in front of Hyatt by Chennai Corporation at a cost of Rs. 2,00,00,000/-(Rs.2 crore) **(Resolution No.293-2-5)**.
15. Payment of Rs.100 Crores to Tamil Nadu Infrastructure Fund Management Corporation Limited (TNIFMC) as share of Tamil Nadu Government to set up the Green Climate Fund as per section 16 (J) of Tamil Nadu Transparency in Tenders Act, 1998. **(Resolution No.293-2-13)**.

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CHAPTER - V

ACTIVITIES OF THE BOARD

5.1 Monitoring and Issue of Consent to the Industries

Industries must obtain consent from the TNPCB under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 to discharge sewage or trade effluent into any stream, well, sewer, or land, and to emit pollutants in any air pollution control area across Tamil Nadu.

Consents for industries are issued in two stages. First, the 'Consent to Establish' (CTE) is granted after assessing criteria such as the required one km distance from river margins (G.O.Ms No.213, dated 30.03.1989) and five kms distance (G.O.Ms No.127, dated 08.05.1998), aiming to protect water bodies. Second, the 'Consent to Operate' (CTO) is issued once the industrial unit complies with the conditions outlined in the CTE. Thereafter, the industrial unit must renew it regularly to maintain compliance. The unit must always hold a valid consent from the Board to continue its operations. The Board's field officers periodically inspect the industries within their jurisdiction to monitor their performance and instruct the industries to implement the corrective measures if necessary.

5.1.1 Categorization of Industries

TNPCB categorize the industries based on their pollution potentials, such as Red, Orange, Green and White, and the value of its Gross Fixed Assets(GFA) which is as follows:

Category based on polluting potential				GFA in Cr. (Category)	TNPCB's Categorization of Industries
Highly Polluting	Medium Polluting	Less Polluting	Least Polluting		
Red	Orange	Green	White	> 10 Cr(Large)	Red Large Orange Large Green Large
				5-10 Cr.(Medium)	Red Medium Orange Medium Green Medium
				< 5 Cr.(Small)	Red Small Orange Small Green Small

There shall be no necessity of obtaining consent for White category industries and only intimation to TNPCB shall suffice.

V. ACTIVITIES OF THE BOARD

Number of industries under the consent mechanism of the Board is as follows:

Size / Category	Red	Orange	Green	Total
Large	2101	3260	1282	6643
Medium	290	1131	662	2083
Small	11177	25578	11143	47898
Total	13568	29969	13087	56624

District office wise number of the industrial units is given in **Annexure V**.

In Tamil Nadu, 168 industrial units are in operations under 17 categories of highly polluting industrial sectors and comprising of various categories such as Sugar (34), Thermal Power Plants (32), Cement (26), Pharmaceuticals (24), Distillery (14), Petrochemicals (12), Fertilizers (7), Tanneries (6), Caustic Soda (3), Pulp and Paper (3), Dye and Dye Stuff (2), Oil Refineries (2), Pesticides (2) Iron & Steel (1).

5.1.2 Inspection Periodicity and Sample Collection

TNPCB monitors the industries by periodical inspection and sample collection as per the schedule given in B.P. No. 22, dated 25.02.2004 as follows. The details of inspections carried out & samples collected are as follows:

Type of Industry	Category	Total number of industries	Total number of inspections actually conducted	Total number of samples actually collected
Large	Red	2101	7666	11155
	Orange	3260	3646	2292
	Green	1282	324	122
Medium	Red	290	719	426
	Orange	1131	1189	243
	Green	2083	189	23
Small	Red	11177	6703	1945
	Orange	25578	8295	1482
	Green	11143	3005	152
17 Category of Industry		168	1981	2299
Other Inspections / Samples collected		136	2311	1480

V. ACTIVITIES OF THE BOARD

5.2 Online Consent Management and Monitoring System (OCMMS)

The Online Consent Management and Monitoring System (OCMMS) is a web based generic application software for automating the work flow associated with consent management and monitoring and implemented in TNPCB since 2015. This system allows the industries for online submission of application for CTE / CTO / RCO/Auto renewal, uploading of documents, online payment of consent fees, online submission of clarification and to know the status of application and allows carrying out consent management processes such as scrutiny, raising inspection, raising clarification, submitting inspection report, preparing consent order and forward consent order to the industries through online at www.ocmms.tn.gov.in.

TNPCB grants Consent to Establish (CTE) to industries with seven years validity in case of Environmental Impact Assessment (EIA) attracting projects and five years validity in case of non-EIA attracting projects. The Consent to Operate (CTO)/Renewal is issued for eligible cases with a validity period of 5 years, 10 years and 14 years for red, orange and green category industries respectively. "Auto renewal" to the Red-Small, all orange and green category industries are considered without prior inspection based on the self-certification furnished by the industries.

The details of consent issued during 2023-2024 and so far by the TNPCB is as follows:

Period	Consent to Establish		Consent to Operate	
	Water Act	Air Act	Water Act	Air Act
Cumulative (up to 31.03.2023)	25,908	25,837	63,687	60,875
During Year 2023-2024	1076	1076	4711	4711
Total	26,984	26,913	68,398	65,586

5.3 Common Effluent Treatment Plants (CETPs)

Given the significant role of Micro Small Medium Enterprises (MSME) units and their challenges in meeting pollution control norms individually, the Ministry of Environment, Forest, and Climate Change has launched an innovative technical and financial support scheme to foster their growth in an environmentally sustainable manner. This scheme promotes common facilities for effluent treatment from MSME units located in clusters through financial assistance. The Tamil Nadu Pollution Control Board (TNPCB) supports the establishment of Common Effluent Treatment Plants (CETPs) for clusters of small-scale industries across various parts of the state. The Board also assists in the technical

V. ACTIVITIES OF THE BOARD

scrutiny of proposal plans for the CETPs. In Tamil Nadu, CETPs schemes were formulated in the following sectors:

Sl. No.	Industrial Sector	No. of CETP Schemes
1	Tanneries	13
2	Textile Bleaching & Dyeing Units	30
3	Electroplating Units	2
4	Hotels & Lodges	1
5	Pharmaceutical Industries	1
6	Common Marine Discharge Scheme	1
	Total	48

5.3.1 CETPs in Tannery Sector

There are 13 Common Effluent Treatment Plants (CETPs) established for the tannery sector in Tamil Nadu. Among them, 10 CETPs have implemented a Zero Liquid Discharge (ZLD) system, while the remaining 3 CETPs (Madhavaram (entire Quantity), Pallavaram and Dindigul (portion of their trade effluent)) are diluting their treated effluent with treated domestic sewage to meet the Board's standards.

Further, the Board has issued a closure direction to the CETP at Perundurai for noncompliance with the conditions stipulated in the consent order. The CETP at Trichy is not operational due to closure directions issued to its member units by the Board.

The List of CETPs in Tannery sector is as follows:-

Sl. No.	Name of the CETPs	Number of member units	Consented Quantity (KLD)	Permitted quantity (KLD)
1	M/s. Talco Trichy Tannery Effluent Treatment Company, Trichy (under closure)	5	201.4	201.4
2	M/s. Perundurai Leathers Industries Eco – Security Private Limited, Erode District(under closure)	14	2000	1000
3	M/s. Ambur Tannery Effluent Treatment Company Limited, Thuthipet Sector, Ambur, Tirupattoor District	44	2219	2219
4	M/s. Ambur Tannery Effluent Treatment Company Limited, Maligaithope Sector, Ambur, Tirupattoor District	17	1100	1100
5	M/s. Talco Pernambut Tannery Effluent Treatment Company Ltd., Pernambut, Vellore District	36	891	891
6	M/s. Vanitec Limited Valayampet, Vaniyambadi, Tirupattoor District	133	3342	3342

V. ACTIVITIES OF THE BOARD

Sl. No.	Name of the CETPs	Number of member units	Consented Quantity (KLD)	Permitted quantity (KLD)
7	M/s. Ranipet Tannery Effluent Treatment Company Limited (RANITEC), Ranipet District	92	4500	4500
8	M/s. Ranipet Finished Leather Effluent Treatment Company Limited, Ranipet District	79	2500	2500
9	M/s. SIPCOT – SIDCO Phase II Entrepreneur Finished Leather Effluent Treatment Co. Ltd., Ranipet District	20	1560	1000
10	M/s. Visharam Tanners Enviro Control Systems (p) Ltd., Melvisharam, Ranipet District	36	3400	600
11	M/s. Madhavaram Leather Manufactures Facility (P) Ltd., Madhavaram (Dilution)	14	400	400
12	M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited, Chrompet, Chennai (Dilution)	130	3000	3000
13	M/s. Talco Dindigul Tanners Enviro Control System Pvt. Ltd., Dindigul (Dilution)	49	2533	2533
Total		669	27646.4	23286.4

5.3.2 CETPs in Textile Bleaching and Dyeing Sector

30 Common Effluent Treatment Plants (CETPs) were established and commissioned between 1996 and 2000, with primary and secondary treatment systems. Since the CETPs were unable to reduce the Total Dissolved Solids (TDS) level to 2100 mg/L, they were directed to implement Zero Liquid Discharge (ZLD) systems. Consequently, out of the 30 CETPs:

- 19 CETPs (18 in Tiruppur and 1 in Perundurai) have implemented tertiary treatment with Reverse Osmosis (RO) Plant, Multiple Effect Evaporator, and Agitated Thin Film Dryer to meet ZLD standards.
- One CETP at Ayyampet-Muthyalpet in Kancheepuram District has proposed to provide a ZLD Plant and is in the process of securing grants from the Central and State Governments.
- The remaining 10 CETPs (8 in Karur and 2 in Tiruppur) are under closure due to orders from the Hon'ble High Court for their inability to achieve ZLD standards.

V. ACTIVITIES OF THE BOARD

The List of CETPs in Textile sector is as follows:-

S. No.	Name and address of CETP	No. of member units	Capacity of the Plant in KLD
1	M/s. Arulpuram Common Effluent Treatment Company Pvt Ltd., Palladam Taluk, Tiruppur District	10	5500
2	M/s.Eastern Common Effluent Treatment Company Private Limited, Tiruppur South Taluk, Tiruppur District	24	6000
3	M/s. Kallikadu Common Effluent Treatment Plant Private Limited, Tiruppur Taluk, Tiruppur District	12	3000
4	M/s. Tiruppur Murugampalayam Common Effluent Treatment Company Limited, Tiruppur Taluk, Tiruppur	50	11000
5	M/s. Mangalam Common Effluent Recycling Tech. India (P) Ltd, Tiruppur(S) Taluk, Tiruppur District	13	4000
6	M/s. Rayapuram Common Effluent Treatment Plant (P) Ltd, Tiruppur North Taluk, Tiruppur District	12	5500
7	M/s.Veerapandi Common Effluent Treatment Plant Pvt. Limited, Tiruppur Taluk, Tiruppur District	62	12000
8	M/s. Angeripalayam Common Effluent Treatment Plant Ltd., Tiruppur Taluk, Tiruppur District	46	10000
9	M/s. Chinnakkarai Common Effluent Treatment Plant Private Limited, Tiruppur(S) Taluk, Tiruppur District	20	8000
10	M/s.Karaipudur Common Effluent Treatment Plant Pvt. Ltd, Palladam Taluk, Tiruppur District	19	4500
11	M/s. Kasipalayam Common Effluent Treatment Plant Pvt. Ltd., Uthukuli Taluk, Tiruppur	11	4400
12	M/s. Kunnankalpalayam Common Effluent Treatment Plant Limited, Veerapandi Post, Tiruppur District	15	5500
13	M/s. Mannarai Common Effluent Treatment Plant (P) Limited, Tiruppur North Taluk, Tiruppur District	18	4200
14	M/s. Sirupooluvapatti Common Effluent Treatment Plant (P) Ltd, Tiruppur North Taluk, Tiruppur District	19	5000
15	M/s. Vettuvapalayam Common Effluent Treatment and Recycling Plant (P) Ltd, Tiruppur(S) Taluk, Tiruppur	9	1500
16	M/s. Andipalayam Common Effluent Treatment Plant (P) Ltd, Andipalayam Village, Tiruppur District	10	4500
17	M/s. S. Periyapalayam Common Effluent Treatment Plant (P) Ltd, Perundurai Taluk, Tiruppur District	6	1500
18	M/s. Park CETP (P) Limited, P.N. Road, Tiruppur District	4	2500
19	M/s. Perundurai Common Effluent Treatment Plant (Textiles), Erode District – 638 052	9	4050
20	M/s. Ayyampet-Muthiyalpet Bleaching and Dyeing Effluent Treatment Company Limited, S.F.No.114/6B, 2/1A, B, C, D, Valluvapakkam Village, Kancheepuram Taluk, Kancheepuram District. (proposed for ZLD)	36	1500
		405	104150

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5.3.3 CETPS in Electroplating sector

Two CETPs are established and commissioned for Electroplating units located in Ambattur, Taluk, Chennai District and Sivagangai District.

List of Electroplating CETPS

Sl. No.	Name and address of CETP	No. of member units	Consented / Permitted Quantity in KLD
1.	M/s. JBR Technologies Ltd., Korattur Village, Ambattur Taluk, Chennai District	233	200.0
2.	M/s. Madurai Electroplating Industrial Park, Thirupuvannam Taluk, Sivagangai District	41	49.6

5.3.4 List of Other CETPs

Sl. No.	Name and address of CETP	No. of member units	Capacity of the Plant in KLD
1.	M/s. Kodaikanal Effluent Treatment Company Limited, Kodaikanal Taluk, Dindigul District - for treating the sewage generated from hotels and lodges located in Kodaikanal hill station and treated sewage disposed into an odai.	35	850.00
2.	M/s. Chennai Pharma Industrial Infrastructure Upgradation Company, SIDCO Industrial Estate, Alanthur, Chengalpattu District– Trade effluent and sewage generated from pharmaceutical formulation units	9	142.35

5.3.5 Common Marine Discharge Scheme

The Cuddalore SIPCOT Industries Common Utilities Limited is a common marine discharge scheme, commissioned in January 2000. It collects treated trade effluent from units in SIPCOT Phase I & II, Cuddalore, including textile processing, pharmaceutical, dye, chemical, pesticide, and miscellaneous units, and disposes of it into the sea. The facility includes 6 collection sumps, inter-connecting pipelines, the pipeline is anchored with concrete blocks and features diffuser arrangements to release the effluent into the sea at a depth of 8 meters below the surface at a rate of 500 cubic meters per hour.

5.4 Waste Management

5.4.1 Solid Waste Management

The Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India (GoI) have notified the Solid Waste Management Rules, 2016. Under Rule 15, the specific responsibilities of Local Bodies have been outlined. In

V. ACTIVITIES OF THE BOARD

accordance with Rule 16, the Tamil Nadu Pollution Control Board (TNPCB) enforces these rules through the Local Bodies.

In Tamil Nadu, there are 25 Corporations, 138 Municipalities and 490 Town Panchayats. The Solid Waste Management Rules 2016 prescribes that, the Local Bodies shall make an application in Form-I for grant of authorisation for setting up waste processing, treatment or disposal facility, if the volume of waste is exceeding five metric tonnes per day including sanitary landfills from the State Pollution Control Board. The TNPCB has issued authorization to 232 Local Bodies.

As per the annual report of the year 2023-24, the total quantity of solid waste generation is 17843.455 tons/day (TPD), out of which 17400.66TPD is being collected by the local bodies. Out of the collected solid waste, 53% is treated by the local bodies.

Also the Rules prescribe that, Local Bodies shall carryout bio-mining of old dump sites and recover the land. Accordingly, the bio-mining of legacy waste has been initiated by the Local Bodies in 287 locations in the State, of which, 171 locations have been completed and work is in progress in 120 sites. As such, 952 acres of land have been reclaimed in the 171 locations. TNPCB is monitoring the environmental (Ground Water and Ambient Air) qualities in and around the old dump-sites periodically.

The annual reports received from the Local Bodies is consolidated and submitted to the CPCB in Form-V. The report is also uploaded in the TNPCB website.

The Hon'ble National Green Tribunal (Principal Bench), New Delhi took Suo-Moto case in Original Application No. 606 of 2018 on 23.07.2018, on the compliance of Solid Waste Management Rules, 2016 and reviewed solid waste management based on Annual Report prepared by the CPCB and noticed serious deficiencies and issued series of orders / directions which include constitution of State Monitoring Committee for each State, formation of Special Task Force in each District, submission of compliance status as quarterly reports, levying of environmental compensation, etc.

Therefore, TNPCB assessed Interim Environmental Compensation based on the said orders and issued Directions under section 5 of the Environment (Protection) Act, 1986 to remit Interim Environmental Compensation to 10 Local Bodies (3 Corporations, 1 Municipality and 6 Village Panchayats). Also Show Cause Notices have been issued to 2 Local Bodies (1 Corporation and 1 Municipality) under Section 5 of the Environment (Protection) Act, 1986, as to why the Board shall not levy Interim Environmental Compensation for non-compliance of Solid Waste Management Rules and directions have been issued to 4 Local Bodies (2 Corporations, 1 Municipality and 1 Town Panchayat) under Section 5 of the Environment (Protection) Act, 1986.

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5.4.2 Sewage Treatment Plant by the Local Bodies

In Tamil Nadu, there are 102 STPs with a total capacity of 2200.75 MLD in operation in Corporations, Municipalities and Town Panchayats. TNPCB has issued directions to the Local Bodies to set up STPs of adequate capacity including provision for underground sewerage system to cover the entire local / urban areas under their jurisdiction. The details of STPs are provided in the following table:

List of Municipal STPs with consent

Sl.No	Name of the STP	Capacity (MLD)
Chennai Metropolitan Water Supply and Sewerage Board		
1	Egmore 10 MLD	10
2	Koyembedu 120 MLD	120
3	Saidapet 4 MLD	4
4	Nesapakam 50 MLD	50
5	Nesapakam 54 MLD	54
6	Kodungaiyur 110 MLD	110
7	Sholinganallur 18 MLD	18
8	Nesapaakkam 40 MLD	40
9	Perungudi 54 MLD	54
10	Perungudi 60 MLD	60
11	Kotturpuram	0.6
12	Koyembedu 34 MLD	34
13	Koyembedu 60 MLD	60
14	Nesapakam 23 MLD	23
15	Kodungaiyur 120 MLD	120
16	Kodungaiyur 120 MLD	120
17	Kodungaiyur 45 MLD	45
18	Thiruvottriyur	31
19	Perungudi 12 MLD	12
20	Chetpet	1
21	Nungambakkam	1.2
22	Toddhunter Nagar	1.6
Directorate of Municipal Administration		
23	Coimbatore - Ukkadam	70
24	Coimbatore - Ondiputhur	60
25	Coimbatore - Nanjudapuram	40
26	Coimbatore (KK UGSS) at Vellalore	30.53
27	Tiruchirappalli Panchapur	58
28	Vellore	10.28
29	Dindigul	13.65
30	Erode	50.55
31	Tirunelveli	24.2
32	Avadi	36
33	Avadi	4
34	Madurai-Vellakal STP	125
35	Madurai-Sakimangalam STP	45.7
36	Salem - Vellakuttai STP	13

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Sl.No	Name of the STP	Capacity (MLD)
37	Salem - Anaimeedu STP	6
38	Salem - Mankuttai STP	35
39	Salem - Vandipattai STP	44
40	Thanjavur	28
41	Tiruppur (Sarkarperiyapalayam)	15
42	Tiruppur (Sarkarperiyapalayam)	36
43	Tiruppur (Chinnandipalayam)	20
44	Thoothukudi (Smart City fund)	28
45	Kanchipuram	14.7
46	Tambaram	30
47	Karur	15
48	Kumbakonam	17
49	Cuddalore	12.25
50	Nagarcoil	17.66
51	Thiruvannamalai	8.7
52	Karaikudi	16
53	Namakkal	7
54	Pudukottai	10.62
55	Maraimalai Nagar	2.2
56	Tiruvallur	6.2
57	Chidambaram	9.44
58	Villuppuram – (Kakuppam)	9
59	Villuppuram (Erumanthangal)	3.5
60	Arakkonam	11.04
61	Thirupattur	11.43
62	Ambur	16.71
63	Theni-Allinagaram / Karuvelnayakan patty STP	12.05
64	Chinnamanur/ Radhakrishna Rice Mill Street, STP	3.99
65	Ramanathpuram/ Kazhukorani Village STP	7
66	Periyakulam	5.47
67	Sivagangai / Muthupatti Village STP	4.92
68	Bodinayakkanur/ Mayanakarai Rastha STP	12.08
69	Dharmapuri	4.86
70	Krishnagiri	9
71	Mettur Salem camp Sarkarthottam	0.924
72	Mettur Kombarangkadu	5.452
73	Mettur Thangamapuripattinam	0.823
74	Rasipuram	6.96
75	Tiruvarur	6.92
76	Perambalur	4.2
77	Mayiladuthurai	5.85
78	Nagapattinam	9.63
79	Nagapattinam (Nagoor)	2.96
80	Ariyalur	4.16
81	Udhagamandalam	5
82	Sathiyamangalam	4.08
83	Pollachi	11.25
84	Mettupalayam	8.64
85	Udumalaipet	7.81

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Sl.No	Name of the STP	Capacity (MLD)
86	Virudhunagar	7.65
87	Rajapalayam	21.85
88	Sattur	4.63
89	Thiruchendur	4.29
90	Ulundhurpet	3.15
Commissionerate of Town Panchayats		
91	Mamallapuram	2.34
92	Thirumazhisai	3
93	Perundurai	3.14
94	Manachanallur	6.41
95	S. Kannanur	
96	Orthanadu	2.3
97	Vallam	2.35
98	Velankani	2.33
99	Palanichettipatti	Clustered with Theni Allinagaram
100	Melachokkanathapuram	Clustered with Bodi Municipality
101	Thiruporur	4.02
102	Sriperumbudur	8.5
TOTAL		2200.75

The treated sewage from these plants is either used for irrigation or let into water bodies after satisfying the standards prescribed.

To achieve 100% treatment of sewage in Tamilnadu, TNPCB has directed the Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Director of Municipal Administration and Commissioner of Town Panchayat to complete the underground sewerage system in the unsewered area, to operate & maintain the STPs continuously, to install OCEMS (Online Continuous Effluent Monitoring System) for the parameters pH, TSS, COD, BOD and flow and use mobile application as per CPCB directions dated 15.02.2021. Further, TNPCB directs the local bodies to operate & maintain the STPs continuously and to install OCEMS in their existing & upcoming plants for monitoring them effectively.

In order to prevent illegal discharge of sewage by tanker Lorries into water bodies, directions have been issued to local bodies to install Digital Lock system with GPS tracking in the Tanker Lorries which are registered with them. Also, in cases where violations pertaining to illegal discharge of sewage are noticed, TNPCB directs the Transport Department to cancel the Registration Certificates (RCs) of such erring tanker lorries. A total of 3 registration numbers of erring Lorries have been recommended for cancellation by TNPCB in the year 2023-2024.

TNPCB also levies Environmental Compensation to the respective local bodies whenever violations are noticed. With regard to improper sewage management, a total

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Environmental Compensation of Rs.180 Lakhs has been levied to the local bodies in the year 2023-2024.

5.4.3 Construction and Demolition Waste Management

The MoEF&CC, GoI have notified the Construction and Demolition Waste Management Rules, 2016. These rules are notified exclusively to manage waste from Construction & Demolition activities. These rules apply to every waste resulting from construction, re-modeling, repair and demolition of any civil structure of individual or organization or authority that generates construction and demolition waste such as building materials, debris and rubble. According to the Rules, the Local Bodies need to ensure proper management of construction and demolition waste. State Pollution Control Board is monitoring the implementation of these rules and grant authorization for the Construction & Demolition waste processing facility.

TNPCB has issued directions to all the Local Bodies to take necessary action to comply with the provisions of these rules and to provide suitable sites for setting up for the storage, processing and recycling facilities for construction and demolition waste. The TNPCB has also issued directions to the line departments viz. Chennai Metropolitan Development Corporation, Directorate of Town and Country Planning, Public Works Department, Tamil Nadu Housing Board & Tamil Nadu Slum Clearance Board to procure material from Construction and Demolition waste and make it mandatory in municipal and Government contracts.

TNPCB has issued Consent to Operate under Water (P&CP) Act, 1974 & Air (P&CP) Act, 1981 for the Construction and Demolition (C&D) waste processing facilities at Kodungaiyur and Perungudi by the Greater Chennai Corporation. Also press release issued strictly instructing to ensure proper collection, storage, transportation, recycling & disposal of Construction and Demolition (C&D) wastes as per the provisions of the Construction and Demolition Waste Management Rules, 2016.

TNPCB has issued directions under Section 31 (A) of Air (Prevention and Control of Pollution) Act 1981 to all the line departments to comply with the Provisions of the Rules and “Guidelines of Dust Mitigation Measures in handling construction material and Construction & Demolition (C&D) wastes” for dust mitigation measures of construction and demolition activities.

5.4.4 Plastic Waste Management

Rapid Increase in population, urbanisation, economic levels and Industrial growth has led to massive increase in the plastic waste generation.

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As per the Annual report submitted by the ULBs for the year 2023 -2024, a total quantity of 1763 tonnes/ day of plastic waste have been generated from 21 Municipal corporations, 138 Municipalities and 536 Town panchayats in Tamil Nadu. Out of this 73.5% (1,128 tons/day) of the waste was collected and channelized for recycling and other purposes. The collected waste is then segregated and sent to resource recovery facilities and the recyclable waste is sold to the registered recyclers and the non-recyclable waste are disposed to cement manufacturers for co-processing.

As per Plastic Waste Management Rules, 2016 as amended, there are 209 authorized plastic waste recyclers in Tamil Nadu. The total amount of plastic waste channelized for recycling from the total plastic waste collected is around 281 tonnes/day.

There are 38 compostable plastic manufacturing units in the State have registered with Tamil Nadu Pollution Control Board.

Ban on Single Use Plastics (SUP)

The Government vide G.O.(MS) No.84 Environment and Forests (EC.2) Department dated 25.06.2018 have issued orders to ban certain types of one-time use and throwaway plastic items including plastic carry bags irrespective of thickness and size. The ban is in effect from January 2019.

The Ministry of Environment, Forest and Climate Change, Government of India vide notification dated 12.08.2021, has also notified ban on manufacture, import, stocking, distribution, sale and use of banned certain types of Single Use Plastic Items. The ban is in effect from 1st July 2022.

Enforcement of Ban on SUP

Closure direction and disconnection of power supply were issued to 235 Industries (January 2019 to March 2024) involved in the manufacture of banned plastic manufacturing items, including non-woven carry bags, plastic carry bags, water pouches, etc.

Frequent raids are being conducted by the ULB officials and fines are imposed against the users of Single Use Plastics (SUPs). There were 14,52,770 raids conducted from January 2019, in which 2355 tonnes of Banned Single Use Plastics were seized and Rs.17.67 crores has been imposed as fine amount, till March 2024.

Special Enforcement Activities

Tamil Nadu Pollution Control Board has carried out strict enforcement of Single Use Plastic ban and accordingly intensive activities were carried out as per the instructions of the Central Pollution Control Board with focus on Street Vendors, Flower

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and Fruit Sellers, Local Markets, Wholesale Markets, Industrial Areas, interstate borders, inspection of concerned industries in all the districts of Tamil Nadu.

During the special enforcement drive, carried out from April 2023 to March 2024, 35142 entities were inspected out of which 9004 violations were observed, 53.685 Tons of banned SUP items were seized and Rs. 37.74 lakh of fine amount was collected.

Awareness Activities on SUP Ban

The following activities were taken up by the TNPCB:

- All the District officials of TNPCB have been conducting awareness campaigns in coordination with the District Collectors vested with the responsibility of ensuring the prevention of storage, supply, transport, sale, and use of banned plastic items. The awareness campaign carried out in various districts includes viz., vehicle campaign, distribution of pamphlets to the public, display of posters in District offices of TNPCB, Government offices, schools, colleges, commercial establishments, public gathering areas such as Hospitals, Hotels, Industrial Estates, Malls, Bus Stands, Railway Stations, Theatres etc.
- TNPCB has issued Press Release in both English and Tamil on the ill effects of single use plastics. The Government's effort to enforce the ban on SUP was elaborated and the people's cooperation and support to eliminate the same were sought.

Awareness activities carried out for Valvil Ori festival 2023 at Kolli Hills, Namakkal

- On occasion of Valvil Ori festival, DEE, TNPCB, Namakkal and DEE, TNPCB, Kumarapalayam has organized the mass cleaning programme in Arappaleeswarar Temple, Kolli Hills and Karavalli Forest Checkpost to Valvil Ori function hall including all Hairpin Bends, Solakadu Village, Semmedu Village, Namakkal on 31.07.2023 and 01.08.2023 as a part of ban on SUP and use of Manjappai Awareness. The District Administration, Namakkal, Forest Department and Indian Red Cross Society, Namakkal were organised the programme. The District Collector, Namakkal and MLA, Senthamangalam Constituency has initiated the cleaning programme at Karavalli Check Post.
- Around 210 school and college students were volunteered in the cleaning programme and the Board has distributed the t-shirts and caps to the volunteers. Around 1 ton of SUP wastes were collected and handed over to the Local Body. During the event, more than 500 Manjappai were distributed to the public.

Awareness activities carried out for Karthigai Maha Deepam Festival 2023 at Tiruvannamalai

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- Every year on the occasion of Karthigai Maha Deepam Festival, Tamil Nadu Pollution Control Board along with the District Administration, Tiruvannamalai has been creating awareness on the avoidance of Single Use Plastics (SUP) and encourage the use of eco-alternatives to the devotees & public in the District Headquarters. Similarly, on this year 2023 awareness programmes have been carried in Tiruvannamalai Town for the Karthigai Maha Deepam Festival was on 26.11.2023. For awareness creation 10 nos. of facility centres were established along the girivala path to distribute manjappai cloth bags to the public replacing their plastic carry bags. SUP ban and Manjappaiaawareness pamphlets distributed to the devotees, and Manjappai awareness stickers pasted on the TNSTC government buses, private buses and share auto-rickshaws.
- In addition, 8 nos. of permanent display Manjappai awareness boards (size 6 inches x 3 inches) were installed presenting slogans of MeendumManjappai Campaign and for the prevention in usage of banned SUPs at the eight entry points in the District. Also, 5 nos. of permanent Display Plates (size 2 inches x 1 inches) were installed, which presenting about the harmful effects of camphor burning with its plastic covers.

Awareness activities carried out for Aadi Perukku 2023 at Madurai

- On the occasion of Aadi Perukku, the officials of the O/o. DEE, Tamil Nadu Pollution Control Board, Madurai distributed “manjappai” cloth bags in the temples of Madurai District, such as Arulmigu Murugan Temple, Thiruparankundram, Sri JanagaiMariamman Temple, Solvanthan & Mariamman Kovil, Theppakulam.

SUP free Temples

- Temples often serve as hubs for communities and can be influential in spreading awareness. The Manjappai Brigade were guided to engage with street vendors and flower vendors near temples, as they are integral parts of the local ecosystem and often use single use plastics in their businesses and will be entry point for SUPs into the Temples With this view Tamil Nadu Pollution Control Board (has initiated a pilot project to make three temples in Chennai Marundeeswarar Temple in Thiruvannamalai, Kabaleeswarar Temple in Mylapore and Parthasarathy Temple in Triplicane as Single Use Plastic (Free Temples This initiative is being carried out in coordination with the Hindu Religious and Charitable Endowments (HR& department, Greater Chennai Corporation (GCC).

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- In this regard 230 numbers of cane baskets were handed over to the vendors at these three temples for pooja purposes and instructions were given to the executive officers to ensure the non entry of banned.

Strict Enforcement Drive for the Ban on Single Use Plastics at in and around the Temples

- **Chennai District:** The strict enforcement drive on ban on Single Use Plastics were conducted at the Periyapalayathuamman temple in Adyar, Chennai on 21.07.2023 by the officials of O/o. EE(FS), Chennai along with Greater Chennai Corporation (GCC). Despite the raids conducted by GCC, the florists were selling in plastic carry bags and during inspection about 1.7 Kg of SUP was seized.
- **Trichy District:** The Trichy City Corporation officials conducted raids at the shop premises of Srirangam Temple on 17.11.2023. During the inspection, about 55kg of banned SUP items were seized.

Further, SUP enforcement raids were conducted in shops at Samayapuram Temple on 24.11.2023 by officials of S.Kannanur Town Panchayat, Trichy District. During the raids, about 30 kgs of Banned SUP were seized at 11 nos. of entities and Rs.1400/- was levied as Penalty from the violators.

“MeendumManjappai” Campaign

A State Campaign titled “MeendumManjappai”- “a call for back to basics and into the future” with traditional nature-based solutions was launched as a “People’s Campaign against throwaway plastics” The campaign was launched in December 2021 to create awareness among the people and to promote alternatives to plastic, alongside enforcement of ban on SUPs. Urging citizens to replace use of single use plastic carry bags with Manjappai, a traditional symbol of Tamil culture, MeendumManjappai campaign is a massive people’s campaign against throwaway plastics and, a call for returning back to the basics and into the future with nature-based solutions.

The campaign is being implemented in all Districts and awareness activities are being conducted in coordination with District Collectorates and line Departments. The local bodies are taking action to inspect the shops / commercial establishments to check the use of SUPs and are seizing the materials already banned by the Government of Tamil Nadu. More than 6.1 lakhs Manjappai carry bags have been distributed through awareness campaigns.

Launch of Manjappai vending machines

In support to the campaign and to make Manjappai available and accessible to public and reduce the usage of plastic carry bags, the Government of Tamil Nadu came

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up with a first of its kind cloth bag vending machine and as on March 2024 these machines are installed at 166 locations across 38 districts of Tamil Nadu at strategic locations like markets, malls, public building premises and locations of high public footprint such as Koyambedu Market (wholesale fruits and vegetable market), Madras High Court premises, Madurai Bench of Madras High Court, Madurai District Court, markets in certain Districts, etc. Also, these machines were showcased during the special gatherings like National Expo on Eco-alternatives for banned SUP and Conference for Start-ups 2022, Singara Chennai Food Festival, Trade fairs and Eco alternative Conclave 2024 and District events.

Awareness to school children through animation videos

Government of Tamil Nadu has been actively undertaking a number of initiatives towards creating awareness among the citizens. Considering that the children are the future of the State, the Government has prioritised creating awareness regarding the ban and the use of eco-alternatives among the school students. One of the key initiatives undertaken towards the students is broadcasting awareness videos among the Government school students.

Animated awareness videos regarding the ill effects of plastic on environment, animals, natural resources, etc., and best practices on using eco-alternatives to plastic have been broadcasted to the students across the State. So far, 15 videos have been created and broadcasted among around 700 Government schools, 28 Government aided schools, 9 Adi-Dravidar Schools, benefitting around 500 students. The reach for these videos have been welcoming among the students and has been effective in bring about behavioural changes among students.

Setting up stalls at exhibitions

Stalls promoting eco-alternative products and Manjappai vending machines were set up at various exhibitions like the Chennai Food Mela, India tourism and trade fair, Rotary club sustainability, Climate Summit 2.0 and wellness expo, India International EV show, G20 summit etc. The placing of stalls at events with high footfall like these helps raise awareness and visibility about the eco-friendly alternatives available to commonly used SUP items.

Street plays and cultural programs through “Message on wheels”

Street plays, folk dances and cultural programs were carried out by professional drama troupes on World Environment Day 2023 at strategic locations like railway stations, bus stands, and markets, which helps engage the general public and create a long-lasting impression on their minds about the seriousness of the issue of SUP usage.

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Mega beach-clean-up drive

Under the LiFE Mission, mega-beach clean-up drives were carried out in 3 beaches (Besant Nagar (Chennai District), Kovalam (Chengalpattu District) and Manakudi (Kanyakumari District)) on May 21st, 2023 in Tamil Nadu to promote consciousness among the general public about problem of beach litter. Dignitaries like the Minister for Environment and Minister for Health and Family Welfare graced the event, which helped gain publicity for the event in multiple newspapers, helping to pass on the awareness messages. School students served as volunteers for the program, which helped in involving them actively in tackling the problem of beach litter and educating them about the enduring impacts of plastic on marine ecosystem.

Beach Clean Up drive on International Beach Clean-up Drive 2023

To sensitize the public and school students about the impact of plastic litter, especially discarded fishnets, in the marine environment, on the occasion of International Coastal Cleanup Day (ICC Day takes place on the third Saturday of September every year), the TNPCB in coordination with DoE&CC has carried out the coastal cleanup drives on the 14 beaches (Ariyamaan Beach, Chothavilai Beach, Covelong (Kovalam) Beach, Manora Beach, Marakkanam Beach, Marina Beach, Memesal Beach, Muthu Nagar Beach, Pazhaverkadu Beach, Poompuhar Beach, Silver Beach, Thondiyakkadu Beach, Uvari Beach, Vedaranyam beach) in the 14 coastal districts of Tamil Nadu on September 16th, 2023 Under the Tamil Nadu Fishnet Initiatives (TNFI) Project. The programmes were organized with the support of the National Green Corps (NGC) coordinators of the coastal districts of Tamil Nadu.

More than 3,803 participants participated, including school and college students, teachers, Government officials, NGOs, panchayat members etc. Overall, 6342 kg of costal litter was collected, including 631 Kg of plastic waste.

Manjappai Award

The Hon'ble Minister for Environment, Climate Change, made announcement on the floor of the legislative assembly for the financial year 2022 – 23, that the Manjappai Award will be given to the three best schools, colleges and commercial establishments each which effectively implement the ban on SUPs in their campus and encourage the use of alternatives to Single Use Plastic (carry bags and other banned SUPs and to revive the use of traditional eco friendly alternatives, such as the Manjappai (Yellow bag).

On the occasion of the World Environmental Day 2023, Manjappai Awards with prize money of Rs. 10 Lakhs (1st prize), Rs. 5 Lakhs (2nd prize) and Rs. 3 Lakhs

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(3rd Prize) for 3 best Schools, 3 best Colleges and 3 best Commercial Establishment were distributed to winners by the Hon'ble Minister for Environment and Climate Change.

The Manjappai Award for the year 2023-24 has been proposed to be distributed on Environment Day 2024.

Enviro Solvers Hackathon

The Enviro Solvers Hackathon was a collaborative event conducted by Tamil Nadu Pollution Control Board (as a part of mission LiFE) aimed at finding innovative solutions to environmental challenges associated with water scarcity and ill effects of single use plastics.

The Hackathon was organized in a manner similar to a 'Hackathon with a preparation time of 1 week for the participants Specific problem statements related to EPR, liquid packaging material, digital solutions for prevention of water loss etc., in both the themes were shared with the eligible applicants, over all 1000 registrations were received from Students, Research Scholars, MSMEs and Startups for initial screening and around 400 solutions were received from participants across the State. Finally, a total of 10 (5 for each theme) were chosen as winners.

On the occasion of the World Environmental Day 2023, Enviro Solvers Hackathon Awards with prize money of Rs. 3 Lakhs (1st prize), Rs. 2 Lakhs (2nd prize) and Rs. 1 Lakh (3rd Prize for 3 nos.) for two categories were distributed to winners by the Hon'ble Minister for Environment and Climate Change.

Digital Initiatives

1. MeendumManjappai Website

TNPCB has launched the MeendumManjappai Website to provide the visitors with all the updates about news and events conducted regarding the ban on SUPs It would also have a repository of all the essential documents and will provide an overview of the plastic ban and the MeendumManjappai campaign.

The MeendumManjappai website was launched on 6th June 2023 the Hon'ble Minister for Environment and Climate Change, as a part of World Environment Day 2023 celebrations and has attracted more than 8600 viewers as of now.

2. Mobile Application

The TNPCB has launched the MeendumManjappai mobile application to provide a robust ecosystem of Eco alternatives to SUPs. The app will help in facilitating the users about the details of manufacturers of alternatives to SUPs and locations of Manjappai

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Vending Machines. The app also features a Chat bot which would answer the questions of the users and help them in locating the details needed by them.

The MeendumManjappai mobile app was launched on 6th June 2023 by the Hon'ble Minister for Environment and Climate Change and it is available in Android and iOS platforms.

Manjappai Beach Kiosks

Government of Tamil Nadu has been actively undertaking a number of awareness creation initiatives as a part of the MeendumManjappai campaign. There are number of innovative measures undertaken, one such initiative is the setting up of a 'MeendumManjappai Kiosk' in the beaches. These kiosks are set up for creating awareness among the visitors to the beach regarding the impact of inappropriate disposal and use of banned SUPs and regarding the use of eco-alternatives to SUPs.

So far, the kiosks are set up at Besant Nagar and Neelankarai Beaches in Chennai. Used shipping containers of 20 ft length are modified and made as kiosks for monitoring litter in the beaches. The containers are modified to accommodate and provide access to the Manjappai Vending Machines inside the kiosk. Around 1000 Manjappais have been distributed through the MVMs at the kiosks since installation of MVMs at Kiosk (October 2023 to March 2024).

The kiosk also has a display of eco-alternatives to SUPs and a directory with the details of eco-alternative manufacturers across Tamil Nadu. The kiosk has witnessed 5000+ visitors and school children from 14+ schools have visited to undertake beach cleanups or other awareness building sessions at the Kiosk.

Manjappai Brigade

Awareness generation is an important part of the MeendumManjappai campaign. Government of Tamil Nadu is actively undertaking initiatives to spread awareness among the public and also monitor the adoption of the ban against usage of Single Use Plastics (SUP) ban. One of the innovative ways in which TNPCB is spreading awareness is through a fleet of 11 electric bikes. These vehicles are customized with messages to raise awareness. The vehicles will be used to increase the outreach and educate the public about the significance of reducing the use of Single Use Plastics (SUPs) in our daily lives.

The brigade has covered more than 5000 kilometers and more than 300 locations for awareness generation. They have helped in identifying 70 shops and 7 Godowns who were using banned SUPs. Around 15 shops selling SUPs were identified and sealed by the Greater Chennai Corporation.

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State Level Special Task Force (STF)

The Government vide G.O. Ms. No.25 E, CC & F Department dated 07.02.2022 have constituted a State level Special Task Force (STF), under the Chairmanship of Chief Secretary, District level task force under the Chairmanship of District Collector and under the Chairmanship of the Commissioner for Greater Chennai Corporation area for monitoring the Implementation of Single Use Plastic (SUP) ban. The STF meetings were held on 05.03.2022, 02.03.2023 and 22.02.2024. All the nodal Departments have been addressed to implement the action points and make the initiatives for massive success in the State of Tamil Nadu.

Formation of Project Management Unit for Plastic Waste

As per Board proc. No. 83 dated 26.10.2023, a Project Management Unit was formed with Technical Consultant on temporary basis to implement the Single Use Plastic (SUP) ban in Tamil Nadu.

5.4.5 Hazardous Waste Management

The Ministry of Environment, Forest and Climate Change, Government of India has notified the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016. As per the rules, the hazardous waste generator shall follow the steps namely prevention, minimization, reuse, recycling, recovery, utilization including co-processing and safe disposal of hazardous waste. SPCB shall grant authorization for handling the hazardous wastes. The Board is taking effective steps in handling, management, treatment and disposal of hazardous wastes in an environmentally safe manner.

The Board has identified and issued authorization to 4825 number of hazardous wastes generating industries, as of 31.03.2024. District wise details of Hazardous Waste generation, recycle, utilization and disposal during 2023-24 are as follows:

Sl. No.	Name of the District	Total No of Units posse-ssing authori-ization	*Quantity of Hazardous Waste generated as per Annual Return within the State / UT (Metric Tonnes)				Total Quantity
			Landfill -able	Incine-rable	Recycl -able	Utiliz-able	
1	Ambattur	270	6562	3586	17326	4332	31806
2	Ariyalur	15	0	0	34	81611	81645
3	Chennai	174	548	668	3862	0	5078
4	Coimbatore (N)	196	12765	426	5441	12585	31217
5	Coimbatore (S)	211	562	1213	931	9	2715

V. ACTIVITIES OF THE BOARD

Sl. No.	Name of the District	Total No of Units posse-ssing authori-ization	*Quantity of Hazardous Waste generated as per Annual Return within the State / UT (Metric Tonnes)				Total Quantity
			Landfill -able	Incine- rable	Recycl -able	Utiliz- able	
6	Cuddalore	50	15775	391	3325	5423	24914
7	Dharmapuri	23	0	0	33	0	34
8	Dindigul	74	993	29	1871	2084	4977
9	Erode	277	686	0	264	10437	11387
10	Gummidipondi	173	6790	787	129187	214	136978
11	Hosur	202	6166	612	253860	21151	281789
12	Karur	128	3409	0	156158	234118	393685
13	Kumarapalayam	114	81	0	1402	0	1483
14	Madurai	110	492	59	506	25	1083
15	Maraimalai Nagar	410	6633	2043	4290	8431	21397
16	Nagapatinam	23	45	31	32	0	108
17	Nagercoil	26	13	1	56	0	70
18	Namakkal	15	10	0	27	0	36
19	Ooty	19	117	14	21	0	152
20	Perambalur	8	662	32	603	0	1298
21	Perundurai	175	5990	0	17	7780	13787
22	Pudukottai	52	47	123	396	31	598
23	Ramanathapuram	17	0	0	33	0	34
24	Ranipet	191	4319	1080	9374	4363	19137
25	Salem	112	4840	1320	366	3322	9848
26	Sivagangai	25	27	1	12	6	45
27	Sriperumbudur	420	10451	1930	9573	13014	34969
28	Tenkasai	9	0	296	63	0	358
29	Thanjavur	26	79	4	34	0	117
30	Theni	29	458	0	22	110	590
31	Thiruvannamalai	34	75	22	430	257	784
32	Thiruvarur	12	0	2	12	0	15
33	Thoothukudi	38	2741	1	1974	29	4745
34	Tirunelveli	39	109	37	100004	269	100419
35	Tiruppur North	440	168	3129	257	9755	13310
36	Tiruppur South	116	61	351	7927	8035	16374
37	Tiruvallur	143	2279	9043	16842	468	28633
38	Trichy	77	5778	64	1080	151	7073

V. ACTIVITIES OF THE BOARD

Sl. No.	Name of the District	Total No of Units possessing authorization	*Quantity of Hazardous Waste generated as per Annual Return within the State / UT (Metric Tonnes)				Total Quantity
			Landfill -able	Incine- rable	Recycl -able	Utiliz- able	
39	Vaniyambadi	181	7424	0	650	4781	12856
40	Vellore	60	69	0	12414	682	13165
41	Villupuram	52	378	30	715	5362	6485
42	Virudhunagar	59	1725	2	1610	201	3539
	Total	4825	109327	27327	743034	439036	1323549

During the period 2023-24, about 13.19 lakhs tons of hazardous waste is generated in which 1.09 lakhs tons is landfillable, 0.27 lakhs tons is incinerable, 7.43 lakhs tons is recyclable, and 4.39 lakhs tons is utilizable.

Hazardous Waste Recycling

The Board encourages recycling of hazardous wastes as listed in Schedule-IV of HOWM Rules, 2016 adopting Environmentally Sound Technologies & following guidelines issued by CPCB.TNPCB issues passbook along with the authorization to units recycling hazardous wastes and actual users of other wastes for maintaining records of hazardous and other wastes purchased.

Details of hazardous wastes recycled with quantity during 2023-2024

Sl. No	HW recycle as per Schedule-IV	No of Facilities authorized for HW recycling	Authorized Capacity (MTA)	Quantity Recycled during 2023-2024(MT)	
				Imported	Other than imported
1	Brass Dross	2	925.000	0.000	0.000
2	Zinc Bearing Wastes	8	9535.600	0.000	1028.843
3	Copper Bearing Waste	10	48780.000	0.000	28901.710
4	Lead bearing waste including battery waste	23	386011.350	20472.866	176892.672
5	Paint and ink Sludge/residues	3	3280.000	0.000	843.500
6	Used oil	34	130371.480	0.000	6768.625
7	Waste Oil	27	82694.490	0.000	5374.280
	TOTAL	107	661597.920	20472.866	219809.630

As of 31.03.2024, the Board has authorized 107 numbers of HW Recyclers for recycling.

Hazardous Waste Utilization

The utilization of hazardous and other wastes as a resource or after pre-processing either for co-processing or any other use in accordance with Standard

V. ACTIVITIES OF THE BOARD

Operating Procedures (SOPs) or Guidelines issued by CPCB is specified under provision of Rule (9) of HOWM Rules, 2016. The Board has authorized utilization of four HW categories under Schedule-1 namely (1) spent solvent, (2) spent acid, (3) ETP Sludge and (4) de contamination (washing) of drums, containers, based on SOPs issued by CPCB. Permission has also been granted for captive utilization of ferrous and non-ferrous metal scraps, and waste paper etc.

V. ACTIVITIES OF THE BOARD

Details of hazardous wastes utilized with quantity during 2023-2024

Sl. No	Hazardous & Other Wastes Utilization	No of Facilities authorized for HW utilization	Authorized Capacity (MTA)	Quantity Utilized (MT)	
				Imported quantity	Other than imported quantity
	Utilization of Hazardous Waste				
1	Recovery of solvents from spent solvents	9	20956.0	0	5907.631
2	Utilization of Spent acid	2	15600		4028.638
3	De-contamination of contaminated drums / containers / barrels	20	46215.0	0	9151.388
4	ETP Sludge	7	181545.0	0	67003.57
	TOTAL	38	264316.0	0	86091.227
	Utilization of Other Wastes				
1	Iron & Steel Scrap	39	1640288.96	370075.515	216744.716
2	Aluminium Scrap	16	73394	24878.883	12367.423
3	Lead Scrap	2	3400	0	7561.02
4	Zinc Scrap	1	3168	0	0
5	Tin Scrap	1	250	0	0
6	Copper Scrap	4	2386	0	232.8
7	Waste Paper	50	1104545	244594.54	694476.058
	TOTAL	113	2827431.96	639548.938	931382.017

Preprocessing and Utilization of Hazardous Wastes

The utilization of hazardous waste by co-processing in cement plant is considered as environmentally sustainable option because there is a dual benefit in terms of utilizing the waste as supplementary fuel as well as alternative raw material. CPCB has issued guidelines during July, 2017 for Pre-processing and Co-processing of hazardous and other wastes in cement plant. Based on the guidelines, the Board has permitted the use of hazardous and other wastes in cement kilns either as raw material for co-processing or as fuel for energy recovery subject to the compliance criteria specified. Authorization under HOWM Rules, 2016 has been granted to 15 cement industries to process 1816332 TPA of utilizable wastes in cement kilns for co-processing.

Details of Cement Industries authorized for Co-processing

Sl. No	Name & Address of the Cement Industry	Permitted Quantity (MTA)
1.	Chettinad Cement Corporation Ltd Cement Plant, Ariyalur	106300
2.	Tamil Nadu Cements Corporation Ltd, Ariyalur	12000

V. ACTIVITIES OF THE BOARD

Sl. No	Name & Address of the Cement Industry	Permitted Quantity (MTA)
3.	Ultra Tech Cement Ltd Cement Reddipalayam, Ariyalur	400000
4.	Dalmia Cement Bharat Limited Palanganatham, Ariyalur	374760
5.	Dalmia Cement B Ltd Cement Plant Thamaraiikulam, Ariyalur	281760
6.	The Ramco Cements Ltd Cement Plant Govindapuram, Ariyalur	41247
7.	The Ramco Cements Ltd, Alathiyur, Ariyalur	50000
8.	India Cements Limited, Ariyalur	6800
9.	M/s Chettinad Cements Corporation Pvt Ltd, Puliur village, Karur Taluk, Karur District	50000
10.	M/s Tamil Nadu Newsprint and Papers Cement Plant Ltd, Kagithapuram, Pugalur Taluk, Karur	155000
11.	M/s. The India Cements Limited (Sankari works), Kumarapalayam Taluk, Namakkal	60895
12.	M/s. The India Cements Limited, Sankar Nagar, Madurai Road, Tirunelveli District - 627 357.	30900
13.	M/s. Chettinadu Cement Corporation Ltd., -Cement Plant – Dindigul District	220000
14.	Ramco Cement Limited, Virudhunagar District	24270
15.	M/s. Dhandapani Cements, Thathamangalam Village, Mannachanallur Taluk, Trichy	2400

In order to encourage co-processing of hazardous wastes in cement kilns for beneficial purposes, nine HW Pre-processing facilities have been authorized for pre-processing of hazardous and other wastes so as to make a homogenized mixture of materials suitable for co-processing in the cement kilns for direct use either as raw material substitution or fuel supplementary. These facilities have pre-processed 88511.841 tons of hazardous & other wastes during 2023-24 & sent for co-processing in cement industries.

Common Hazardous Waste Disposal Facilities

There are three common Hazardous Waste Treatment Storage and Disposal Facilities (HW-TSDFs) in operation, one at Gummidipoondi in Tiruvallur District, one in Krishnagiri District and another at Unduorumikidakulam in Virudhunagar District for scientific disposal of hazardous waste in safe manner. The list of common HW-TSDF is given as follows

List of Common TSDF in Tamil Nadu

Name and address of the facility	Facility Type	Capacity (TPA)	Disposal during 2023-2024 (MT)
M/s. Re-Sustainability IWM Solutions Pvt Ltd, Gummidipoondi, Tiruvallur	Landfill	3 Lakh	8.44 Lakh
	Incineration	0.12 Lakh	0.49 Lakh
	Pre-processing	0.50Lakh	0.013 Lakh

V. ACTIVITIES OF THE BOARD

Name and address of the facility	Facility Type	Capacity (TPA)	Disposal during 2023-2024 (MT)
M/s. Re-Sustainability IWM Solutions Pvt Ltd, Unduorumikidakulam village, Tiruchuli Taluk, Virudhunagar	Landfill	2.4 Lakh	1.14 Lakhs
	Pre-processing	0.1 Lakh	Nil
M/s. Re-Sustainability IWM Solutions Pvt Ltd, Krishnagiri	Landfill	0.909 Lakh	0.092 Lakhs
	Pre-processing	0.303 Lakh	Nil

Online Facility for Hazardous Waste Management

The Board has launched online module for filing of application and processing for grant of Authorization under HOWM Rules, 2016 on 01.03.2016. Industries shall apply for Authorization under HOWM Rules, 2016 online, can track the status of the application, furnish additional details and download authorization online after approval. As of 31st March 2024, 4825 industries have been granted Authorization under HOWM Rules, 2016. Every year, industries/facilities covered under HOWM Rules, 2016 shall submit Annual Returns in FORM-4 to TNPCCB on or before 30th day of June. The Board has developed online facility in OCMMS for submission of Annual Returns every year.

Tannery - IETPs and CETPs ZLD plants mixed salt

- The Zero Liquid Discharge (ZLD) system in the tannery sector generates around 113,059.1 metric tons of residual mixed salt, currently stored in IETP and CETP premises.
- The Central Salt & Marine Chemicals Research Institute (CSMCRI) in Bhavnagar, Gujarat, has developed a system to purify this mixed salt to be used in various industries, such as Chlor Alkali, soda ash, textiles, and pulp and paper.
- M/s. Tuticorin Alkali Chemicals and Fertilizers Limited, Thoothukudi has agreed to use the treated salt as a raw material in their manufacturing process.
- The AISHTMA has been directed to expedite the installation of a pilot plant for this process.
- The Standard Operating Procedure (SOP) for utilizing the treated salt is pending release by the Central Pollution Control Board (CPCB).
- The CETP of M/s. VANITEC received approval from the Government of India for an upgrade that includes a common salt purification plant under the Sustainable Technology and Environmental Protection (STEP) scheme.
- The CETP of M/s. Ranipet Effluent Treatment Company has requested to submit a revised DPR for an upgradation to include a common salt purification plant.

- Implementation of this salt purification technology aims to solve a long-standing problem in the tannery sector.

Textile dyeing units – IETPs and CETPs ZLD plants mixed salt

In Tamil Nadu, about 207605.053 T of mixed salts generated from the Zero Liquid Discharge (ZLD) system of Textile processing units are stored in closed sheds with impervious floor of the premises of the IETPs and CETPs. Based on the Standard Operating Procedure (SOP) issued by the CPCB, a treatment and disposal facility at Ramanathapuram District is functioning for further processing of mixed salts by mixing residual mixed salt with sea water by adding coagulating chemicals like lime, polyelectrolyte to get supernatant liquid and sent to nanofiltration followed by salt pan for natural evaporation and crystallization. The permeate forms NaCl as Grade I salt and rejects forms Na₂SO₄ with Ca & Mg as Grade II salt and obtained Consent to Operate of the Board valid for a period upto 31.03.2028. So far, 18707.465 T of mixed salt has been received from the Textile units by this facility for further processing.

5.4.6 Bio-Medical Waste Management

The Ministry of Environment, Forest and Climate Change, Government of India notified the Bio-Medical Waste Management Rules, 2016 and amended in 2019. As per the Rules, the bio-medical waste generator and the operator of the Common Bio-Medical Waste Treatment and Disposal Facility (CBMWTF) are responsible for safe handling and disposal of the bio-medical wastes. The State Ministry of Health and Family Welfare have to ensure for effective implementation of the said Rules in all the health care facilities.

The State Pollution Control Board shall issue authorization to the health care facilities and Common Bio-Medical Waste Treatment and Disposal Facilities (CBMWTF). It shall monitor the compliance of various provisions of the Rules. TNPCB has implemented online application receipt and processing module on 01.03.2016 for applying and granting authorization. The Board as on 31.12.2024 has issued authorization to 30956 Private and Government hospitals including bedded hospitals, nursing homes, clinics, dispensaries, veterinary institutions, pathological labs, blood banks, research institutions etc. All these hospitals have executed agreement with the CBMWTFs for the collection, transport, treatment and scientific disposal of the biomedical wastes.

The Common Bio-Medical Waste Treatment and Disposal Facility (CBMWTF) consist of incinerator, autoclave, shredder and sharp pits for the treatment and disposal of biomedical waste received from the Health Care Facilities (HCFs). In Tamil Nadu, as on 31.12.2024 there are 13 CBMWTFs, out of which 11 facilities are in operation and two

V. ACTIVITIES OF THE BOARD

facilities at Ooty and Ramanathapuram have been issued with closure direction by the Board for non-compliance of Bio Medical Waste Management Rules, 2016. The biomedical wastes generated from the Health Care Facilities attached to these two facilities are sent to nearby CBMWTFs for treatment and disposal. Accordingly, bio-medical wastes generated from the HCFs in the Nilgiris District are collected and handed over to the M/s. Kovai Biowaste Management (P) Ltd, Coimbatore and in Ramanathapuram District, bio-medical wastes are collected and handed over to the CBMWTF M/s. Medicare Enviro Systems, Sengipatti, Thanjavur Taluk, Thanjavur District. In addition, three facilities are under establishment in Tiruppur, Sivagangai & Kanchipuram and five more facilities – 3 in Tiruvallur, 1 in Ramanathapuram and 1 in Pudukottai are under pipeline. As per the BMW annual report 2023 submitted to the CPCB, on an average, 59.26 Tons/day of bio-medical wastes are handled by 11 facilities then in operation.

District wise daily average generation of Bio-Medical Waste from January 2023 to December 2023 is as follows:-

Sl. No.	Name of the District	Bio-medical Waste Generation (in kg/day)
1.	Chengalpattu	3707
2.	Chennai	15763.23
3.	Cuddalore	1461
4.	Kancheepuram	2221.9
5.	Tiruvallur	2048.54
6.	Villupuram & Kallakurichi	882.05
7.	Coimbatore	10101.45
8.	Tiruppur	1481.46
9.	Nilgiris	223.46
10.	Dharmapuri	485.51
11.	Krishnagiri	375
12.	Karur	349
13.	Erode	802.39
14.	Namakkal	211.83
15.	Salem	813
16.	Kanyakumari	1874
17.	Thoothukudi	790
18.	Tirunelveli & Tenkasi	1622
19.	Madurai	2108

V. ACTIVITIES OF THE BOARD

Sl. No.	Name of the District	Bio-medical Waste Generation (in kg/day)
20.	Dindigul	659
21.	Theni	386
22.	Ramanathapuram	283.56
23.	Virudhunagar	486
24.	Nagapatinam, Mayiladuthurai & Tiruvarur	458
25.	Thanjavur	835
26.	Trichy	1225
27.	Ariyalur & Perambalur	653.66
28.	Pudukottai	392
29.	Sivagangai	475
30.	Vellore, Ranipet & Thirupattur	5564
31.	Tiruvannamalai	523
	Total	59.26 (T/day)

List of Common Bio-Medical Waste Treatment Facilities in Tamil Nadu are as follows:-

Sl. No.	Name & Address of the CBMWTFs	Areas Covered
	UNDER OPERATION	
1	M/s. G. J. Multiclave (India) Pvt Ltd, Thenmelpakkam, Chengalpattu Taluk & District.	Part of Chennai & Kancheepuram Districts
2	M/s. Re Sustainability IWM Solutions Limited., Maduranthakam Taluk, Chengalpattu District.	Cuddalore, Chennai (North), Part of Kancheepuram, Tiruvallur Districts
3	M/s. Medicare Enviro Systems, Sengipatti, Thanjavur Taluk, Thanjavur District.	Thanjavur, Thiruvallur, Trichy, Nagapattinam, Pudukottai, & Sivagangai, Perambalur, Ariyalur Districts
4	M/s. Ken Bio Links Private Ltd., Katpadi Taluk, Vellore District.	Vellore & Tiruvannamalai Districts
5	M/s. Re-sustainability Healthcare Solutions Limited, Salem District.	Salem, Namakkal, Erode & Karur Districts
6	M/s. Teknotherm Industries, Orattukuppai, Coimbatore District.	Coimbatore, Nilgris & Tiruppur Districts
7	M/s. Aseptic System Bio Medical Waste Management Co., Tirunelveli District	Tirunelveli, Thoothukudi & Kanyakumari Districts
8	M/s. Re-sustainability Health Care Solutions Limited, Virudhunagar District.	Madurai, Virudhunagar, Dindigul, Theni & Ramanathapuram Districts

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Sl. No.	Name & Address of the CBMWTFs	Areas Covered
9	(Temporarily Under Closure)	Coimbatore, Tiruppur & Nilgiris Districts
10	M/s. Kovai Biowaste Management (P) Ltd, No.402, 4TH Floor, Ramani's Fraser Square, Goods Shed Road, Coimbatore -1	Cuddalore, Villupuram, Perambalur, Ariyalur, Kallakurichi
11	M/s. Pondicherry Solid Waste Management Company Private Limited, S.F.No.275/2, T. Pudaiyur village, Virudhachalam Taluk, Cuddalore District	Dharmapuri & Krishnagiri districts
UNDER CLOSURE		
12	M/s. Society for Bio Medical Waste Management Ottupattarai Village, Coonoor	Nilgiris Districts (collection only)
13	M/s. Neat and Clean Service Squad, Muthuvayal, Ramanathapuram District	Ramanathapuram District (collection only)

5.4.7 E-Waste Management:

The Ministry of Environment, Forest and Climate Change, Government of India, has revised the E-Waste (Management) Rules, 2016, and notified the E-Waste (Management) Rules, 2022, as amended under the Environment (Protection) Act, 1986. The above rule came into force on 1st of April 2023. The rule aims to manage e-waste in an environmentally sound manner and establish an improved Extended Producer Responsibility (EPR) regime for e-waste recycling.

Extended Producer Responsibility (EPR) of producers are regulated through grant of Registration Certificate and issue Recycling Targets/EPR obligation. Under these rules, all producers, manufactures, refurbishers, and recyclers are required to register on the Online EPR portal developed by CPCB after obtaining Consent and Hazardous Waste Authorization from the concerned State Boards and file annual and quarterly returns through the CPCB E-Waste EPR portal. (<https://eprewastecpcb.in>). The producer shall fulfill their extended producer responsibility through online purchase of extended producer responsibility certificate from registered recyclers only and have to submit it online by filling quarterly return.

EPR registration will be issued by CPCB and further monitoring of the registered entities and periodical audit process is carried out by the TNPCB as per the CPCB guidelines.

As per the E-Waste Management Rules, 2022 as amended, In Tamil Nadu 8 E-waste Recyclers and 536 Producers of Electric and Electronic Equipments (EEE) have registered with the CPCB in the financial year of 2023-2024.

V. ACTIVITIES OF THE BOARD

As per the annual report submitted by the industries, in Tamil Nadu in the financial year of 2023-2024.

S.No	Type	Quantity
1	Quantity of Information technology and telecommunication equipment e-waste collected/processed is approx.	20111 Tonnes
2	Quantity of consumer electrical and electronics e-waste collected/processed is approx.	9897 Tonnes
3	Quantity of other types (telecom items and packing materials) of e-waste collected/processed is approx.	2361 Tonnes
4	Quantity of materials recovered from e-waste is approx.	24911 Tonnes

Details are available in TNPCB website (<https://tnpcb.gov.in>) and CPCB website (www.cpcb.nic.in), <https://eprbattery.cpcb.in>.

5.4.8 Battery Waste Management

The Ministry of Environment, Forest and Climate Change (MoEF&CC), GoI, notified the Battery Waste (Management) Rules, 2022, as amended under the Environment (Protection) Act, 1986 as on 22.08.2022.

The above rules shall apply to producers (manufacture & importer), dealers, consumers, and entities involved in the collection, segregation, transportation, and recycling of waste batteries. The above rules applicable to waste battery includes used, end of life battery and/or its components spares or parts or consumables which may or may not be hazardous in nature. Also includes pre-consumer off-spec battery, expired battery and battery discarded by the user

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CHAPTER-VI

ENVIRONMENTAL QUALITY MONITORING PROGRAMMES

6.1 Air Quality Monitoring

Air pollution is caused mainly by transportation, fuel combustion in stationary sources, burning of fossil fuels like coal, wood and construction activities. Motor vehicles produce high levels of carbon monoxide (CO), hydrocarbons (HC) and nitrogen oxides (NO_x). Construction activities, bad roads and burning of fossil fuels are responsible for dust (particulate matter) pollution. Residential and commercial activities also contribute to air pollution. These pollutants adversely affect human respiratory and cardiovascular system. Under the provisions of the Air (Prevention and Control of Pollution) Act, 1981, the Government of Tamil Nadu has declared the entire state as air pollution control areas vide G.O. Ms. No.4 Environment Control Department, dated 28.09.1983.

6.1.1 Ambient Air Quality Monitoring in Chennai

The Board is operating eight ambient air quality monitoring stations in Chennai under National Air Quality Monitoring Programme (NAMP) funded by the CPCB. The eight ambient air quality monitoring stations in Chennai are given below.

National Air Quality Monitoring Programme (NAMP) – Chennai		
Sl. No.	Station location	Land use zone / area
1	Adyar	Residential
2	Anna Nagar	Residential
3	Kilpauk	Traffic intersection
4	Kathivakkam	Industrial
5	Manali	Industrial
6	Nungambakkam	Traffic intersection
7	Thiruvottiyur	Industrial
8	T.Nagar	Commercial (Traffic intersection)

All the above stations are functioning on 24 hours basis, twice a week. The samples collected from NAMP stations are analysed for the PM₁₀ (particulate matter less than 10 microns), PM_{2.5} (particulate matter less than 2.5 microns) and gaseous pollutants such as Sulphur dioxide (SO₂) and Nitrogen oxides (NO_x). The annual average values recorded from April 2023 to March 2024 reveals that PM₁₀, PM_{2.5} was well within the standards. The parameters SO₂ and NO₂ were also within the standards (Annexure VI A and VI B).

VI. ENVIRONMENTAL QUALITY MONITORING PROGRAMMES

The air quality data and the Air Quality Index (AQI) bulletin are uploaded in the TNPCB web site regularly. The daily monitoring data is also displayed in electronic display board at TNPCB Head Office, Guindy to create awareness to the general public.

6.1.2 Ambient Air Quality Monitoring in Other Cities and Major Towns

Under the NAMP, the TNPCB also monitors the ambient air quality in other major cities and towns and industrial clusters in Tamil Nadu. The AAQ stations (44) are given below.

National Air Quality Monitoring Programme (NAMP)- Other Cities & Major Towns		
Sl. No.	Station location	Land use zone
	Thoothukudi (Since 1988)	
1	NTPL Quarters (Raja agencies operated till February 2022 <i>shifted</i> to NTPL Township Housing Colony)	Residential
2	SIPCOT	Industrial
3	A.V.M. Jewellers	Commercial
	Coimbatore (Since 1991)	
4	District Collector's Office	Commercial
5	Kavundampalayam	Residential
6	SIDCO Building	Industrial
	Salem (Since 1996)	
7	Siva Tower	Commercial
	Madurai (Since 1996)	
8	PichaipillaiChavadi	Industrial
9	Birla Guest House	Commercial
10	Hotel Tamil Nadu	Residential
	Trichy (Since 1997)	
11	Gandhi Park, Thennur	Residential
12	Main Guard Gate	Traffic intersection
13	Bishop Heber College	Sensitive
14	Golden Rock	Residential
15	Trichy Corporation Annex Building	Traffic intersection
	Cuddalore (Since 2013)	
16	Echangadu Village	Residential
17	Imperial Road	Commercial
18	SIPCOT	Industrial
	Mettur (Since 2013)	
19	Raman Nagar	Residential
20	SIDCO	Industrial
	Tiruvannamalai	
21	O/o. DEE, TNPCB	Commercial
22	O/o. Municipal Commissioner	Commercial
23	O/o. Joint Director, Animal Husbandry Dept	Residential
	Sivagangai	
24	O/o.DEE, TNPCB.	Commercial

VI. ENVIRONMENTAL QUALITY MONITORING PROGRAMMES

National Air Quality Monitoring Programme (NAMP)- Other Cities & Major Towns		
Sl. No.	Station location	Land use zone
25	SIDCO Industrial Estate	Industrial
26	Muthu Mahal Campus, Bose Road	Commercial
	Theni	
27	Raghavan Colony	Residential
28	SAR Complex, Boothipuram Road	Commercial
29	SIDCO Complex, Aandipatti	Industrial
	Tiruvarur	
30	Thiru.Vi.Ka. Govt Arts College, NPM Road	Residential
31	Govt. Medical College	Sensitive
32	New Bharath Matric Higher Secondary School	Commercial
	Villupuram	
33	O/o.DEE, Master Plan Complex, TNPCB	Commercial
34	Govt. Medical College & Hospital	Industrial
35	University College of Engineering	Residential
	Perambalur	
36	Govt. Head Quarters Hospital	Sensitive
37	M/s Aavin Parlour Building	Commercial
38	M.M. Nagar, Perambalur	Residential
	Dharmapuri	
39	House near Collector Office	Residential
40	SIDCO Industries	Industrial
41	D.N.G Building, Siddha Verrappa Chetty Street	Commercial
	Nagercoil	
42	Anna University Campus	Industrial
43	Scott Christian College	Residential
44	Aavin Parlour Building	Commercial

(Sl.No.21 – 44 NAMP Stations established since 2021)

All the above monitoring stations under NAMP functions on a 24-hour basis, twice a week. The samples collected from these stations are analysed for the PM₁₀, PM_{2.5}, SO₂ and NO_x. The Ambient Air Quality (AAQ) data recorded during 2023-2024 as given in Annexure VI A and Annexure VI B indicates that the parameters SO₂ and NO_x are well within the standards in all the stations, whereas PM₁₀ values are well within the standards in all the stations except for Thoothukudi and Madurai. The exceedance of PM₁₀ at Thoothukudi is mainly due to the increase in number of vehicles, re-suspension of surface dust, heavy commercial and industrial activities, and Madurai may be due to historical tourism place. The annual average values of pollutants recorded at the above monitoring stations during the period 2023-2024; the Ambient Air Quality (AAQ) data and the Air Quality Index (AQI) are uploaded in the TNPCB's web site. The data is also uploaded in the CPCB's portal.

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6.1.3 Mobile Continuous Ambient Air Quality Monitoring Station

The TNPCB has commissioned one mobile continuous ambient air quality monitoring station in March 2016 to monitor the ambient air quality on real time basis. The mobile station has the facility to monitor the ambient air parameters Sulphur dioxide (SO₂), Nitrogen dioxide (NO₂), Ammonia (NH₃), Ozone (O₃), Carbon monoxide (CO), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Particulate matter less than 10 micron (PM₁₀) and Particulate matter less than 2.5 micron (PM_{2.5}). The station also has Weather Monitoring facility to measure wind direction, wind speed, ambient temperature, relative humidity, solar radiation, rainfall, barometric pressure etc. This mobile station is used to monitor the air quality in the hotspots of Chennai city and other places wherever necessary. During the period April 2023 – March 2024, totally 67 surveys were conducted in the districts of Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore and Nagapattinam. The survey includes routine monitoring in the industrial area, survey based on public complaint / NGT cases, survey during Bhogi and Deepavali. The Mobile Van Survey details during the year 2023-2024 are given in Annexure-VII.

6.1.4 Environmental Monitoring during Festivals

Every year, the people of Tamil Nadu celebrate various festivals like Pongal (Bhogi), Vinayagar Chathurthi and Deepavali. While celebrating the festivals there is a possibility of environment pollution to the Water bodies and Ambient Air quality. The CPCB has developed specific guidelines for monitoring Air and Water quality during the festival celebrations. Accordingly, the TNPCB is monitoring Ambient Air quality during Pongal (Bhogi) festival, Ambient Air quality & Noise level during Deepavali in major cities, Water quality of specified Water bodies during Vinayagar Chathurthi festival. AAQ monitoring was conducted during Deepavali 2023 and the report is given in Annexure-VIII A. Awareness was created and monitoring was carried out during pre-Bhogi and Bhogi 2024 and the report is given in Annexure-VIII B.

In order to monitor both source emissions and ambient air quality on a real time basis of the industries, TNPCB established Care Air Centre during the year 2010 at the Corporate Office, Chennai. This is a Continuous Emission Monitoring System (CEMS) of connected industries pertaining to 17 Category -highly polluting industries, Red Large industries, Common hazardous waste incinerator facility and Common bio-medical waste treatment facilities. When the emission levels exceed the norms, the inbuilt system will inform the concerned industry and the District Environmental Engineer, through an automated short messaging system (SMS) and electronic mail (e-mail) to take immediate remedial action.

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Upto 31.03.2023, in 824 Industries 405 stacks, 154 CAAQMS and 381 Effluent outlets are connected to this centre. District wise number of units connected to Care Air Centre (CAC) is given in table below.

6.1.5 Non-Attainment Cities

The Government of India (GoI) launched the National Clean Air Programme (NCAP) in 2019 with the aim of reducing PM₁₀ levels to 20 to 30% by 2024-25 and further extended to 2026 by reducing PM₁₀ to 40%. The Central Pollution Control Board (CPCB) has identified 130 cities as non-attainment cities under the NCAP, including Chennai, Madurai, Trichy, and Thoothukudi, which exceed the ambient air quality parameter for PM₁₀, with an annual average of 60 µg/m³. The action plan approved by the CPCB for Million Plus/non-attainment cities, including Chennai, Madurai, Trichy, and Thoothukudi, is being implemented. The GoI has released a total of Rs 535.91 Crore for Million Plus Cities under the Fifteenth Finance Commission – Ambient Air Quality Grant (XVFC-AAQ) and Rs 13.4 crore for Thoothukudi under the Control of Pollution Scheme – National Clean Air Programme (CoP-NCAP) until FY 2023-24. Mitigation measures are being implemented in thematic areas such as vehicle road dust, construction & demolition, waste and biomass -dumping and burning under the NCAP in coordination with various line departments.

6.2 Water Quality Monitoring

6.2.1 National Water Quality Monitoring Programme

The TNPCB collaborates with Central Pollution Control Board and monitors the quality of states water bodies through various programme such Global Environmental Monitoring System (GEMS), Monitoring of Indian National Aquatic Resources (MINARS), Coastal waters, and National River Conservation Programme (NRCP). In recent years, these programmes were systemized into single umbrella and have been renamed as National Water Quality Monitoring Programme (NWMP). Under this programme, water quality of major rivers and lakes are monitored. The locations under this programme are called as NWMP network. The programmes are funded by the CPCB and TNPCB on 70:30 basis.

TNPCB oversees maintains a comprehensive monitoring network comprising 158 locations, which includes:

- **Rivers:** 12 rivers (71 monitoring stations) monitored are Cauvery, Vennar, Bhavani, Amaravathi, Adyar, Cooum, Sarabanga, Vasista, Thirumanimutharu, Tamiraparani, Palar, and Vaigai

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- **Groundwater:** 22 monitoring stations (locations) are established to assess groundwater quality.
- **Lakes:** 8 lakes at Ooty, Kodaikanal, Yercaud, Veeranam, Porur, Poondi, Pulicat, and Redhills.
- **Coastal Waters:** 34 monitoring stations are deployed to evaluate coastal water quality.
- **Sewage Treatment Plants (STPs):** 16 STPs are monitored to assess effluent quality.
- **Drains and Canals:** 7 locations are monitored to assess the quality of water in drains and canals.

Samples are collected on a monthly basis at each of the 158 monitoring stations. Detailed monitoring data is as given in Annexure IX to XIII.

The monitored data is uploaded in the TNPCB web site as well as in the CPCB portal.

6.2.1.1 River Cauvery and its Tributaries

The River Cauvery is the major river in the State, which is the source of water for more than one third of the State. River Cauvery has 27 water quality monitoring stations. The monthly water quality samples are analysed in various TNPC Board's Laboratories. The values of water quality at sampling stations at river Cauvery and its tributaries are given in Annexure X respectively. Generally, the water quality of river Cauvery at all stations falls majorly under Category A to C, which is suitable for drinking purpose after conventional treatment and disinfection, throughout the year. Except at some locations such as coleroon, pitachavaram where the water quality falls in 'E' category indicating elevated pollution levels mostly due to less flow in river basin. The overall analysis of the data reveals that the contamination of surface water of the river is due to the unhygienic anthropogenic activities and disposal of either untreated or partially treated domestic waste into the river systems directly or indirectly.

6.2.1.2 River Tamiraparani

The water quality of the Tamiraparani River is being monitored on monthly basis at 13 stations. The physico-chemical parameters and biological parameters are analysed in the Advanced Environmental Laboratories (AEL), Tirunelveli, the details are furnished in Annexure XI. The water quality in the stations at Papanasam, Cheranmadevi, Thiruvudaimarudur, Ambasamudram, Kokirakulam, Kallidaikurichi and Sivalaperi, majorly falls between Class 'A' and 'C', the water quality in the stations at Authoor, Eral, Srivaikuntam and Vellakovil mostly falls under Class 'B'.

6.2.1.3 River Amaravathi and Palar

The water quality of River Amaravathi (at 3 locations) and Palar (one monitoring station at Vaniyambadi Municipal Head Works) is being monitored every month. The analysis of water samples is done in the District Environmental Laboratory Dindigul and Advanced Environmental Laboratories (AEL), Vellore respectively. The water quality of river Amaravathi at all 3 stations falls majorly under Category A and B, indicating low pollution levels and the water is suitable for drinking purpose after conventional treatment and disinfection, all year around. The water quality of the Palar River could not be enumerated as the river had very little to no flow. The details are furnished in the Annexure XII.

6.2.1.4 River Bhavani

The water quality of the Bhavani River is being monitored on monthly basis at 8 stations. The physico-chemical parameters and biological parameters are analysed in the Advanced Environmental Laboratories (AEL), Coimbatore and District Environmental Laboratories (DEL) Perundurai and the water quality data is furnished in Annexure XIII. The water quality in the stations at Pathirakaliamman Koil, Sirumugai, Bhavani, Bhavani Sagar, Sathyamangalam, Kalingarayan Canal (b5) mostly falls under Class 'A and B', except at the monitoring stations of R.N Pudur & Kalingarayan Canal (b10) presumably owing to lower water flow than usual during the months of May and June.

6.2.1.5 River Vennar, Vaigai, Thirumanimutharu, Sarapanga & Vasista

The water quality of River **Vennar, Vaigai, Thirumanimutharu, Sarapanga & Vasista** is being monitored every month. Water quality of River Vaigai, at Upstream and Downstream at Madurai are being analyzed in Advanced Environmental Laboratories (AEL), Madurai. River Vennar, upstream and downstream at Thanjavur is being analyzed in Advanced Environmental Laboratory (AEL), Trichy. River water quality samples at River Thirumanimutharu at Uthamasollapuram, River Vasista at Thulukannur, River Sarabanga at Edappadiare being sampled and analyzed by Advanced Environmental Laboratories (AEL), Salem for physico-chemical and biological parameters.

The details of water quality throughout the year at the above-mentioned locations are given in the Annexure XIV. From the water quality data, it can be inferred that the river water quality in river Vennar and Vaigai varies from A to C indicating variation of water flow in river basin and anthropogenic pollution load. Whereas, the river water quality at river Thirumanimutharu, Vasista and Sarabanga consistently falls under category E throughout the year indicating the direct or indirect discharge of untreated household garbage and sewage into river systems.

6.2.1.6 Lakes

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Under NWMP programme, the water quality of Ooty, Kodaikanal, Yercaud, Veeranam, Porur, Poondi, Pulicat and Redhills lakes are monitored on monthly basis. The water quality of the above Lakes monitored is furnished in Annexure XV. Data on lake water quality shows that, water quality across all eight lakes falls under DBU class between A and C indicating low pollution levels, and that the water is safe to drink year-round following standard treatment and disinfection.

6.2.2 Chennai City Waterways Monitoring Programme

The TNPCB is monitoring the water quality of four waterways in Chennai city (i.e.) Adyar River, Buckingham Canal, Cooum River and Otteri Nallah at 17 locations to assess the pollution level by collecting monthly samples from April 2003 both in water bodies and sewage / industrial outlets into the said water bodies. The sampling locations are as follows:-

List of water bodies and their sampling locations

Sl. No.	Name of the Water Body	Sampling Locations
1.	Adyar	• Alandur Abraham Bridge • Thiru. Vi. Ka. Bridge • Nesapakkam 23 MLD STP • Nesapakkam 40 MLD STP • Nesapakkam 54 MLD STP
2.	Buckingham Canal	• Wallaja Road Bridge • Kodingaiyur 40 MLD STP • Kodingaiyur 80 MLD STP • Kodingaiyur STP 110 MLD
3.	Cooum	• Thirumangalam Cause way • Chitra Takies Bridge • Nappier Bridge • Koyambedu 34 STP Outlet • Koyambedu 60 STP Outlet • Koyambedu 120 STP Outlet
4.	Otteri Nallah	• Asprin Garden Bridge • Vysarpadi Road bridge

The Report of analysis of the above stations is given in Annexure XVI A, XVI B, XVI C and XVI D respectively. The Adyar, Buckingham canal, Cooum and Otteri Nallah water quality does not confirm to any one class of the prescribed Surface Water Quality standards IS:2296.

The restoration of Chennai City Water Ways is entrusted with Chennai River Restoration Trust. The Trust formulates plans and undertakes implementation of programmes on

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restoration of Chennai City Waterways in co-ordination with the line Departments. Accordingly, Integrated Cooum River Eco-Restoration Project and Adyar River Restoration Projects are being implemented by the respective line Departments.

6.2.3 Coastal Water Quality Monitoring

The Tamil Nadu Pollution Control Board is monitoring sea water quality at 34 locations, under NWMP, in 13 coastal districts of the State to assess the sea water quality of coast lines by collecting monthly samples.

The sea water quality is classified from SW-I to SW-IV category namely;

SW-I	Salt pans, Shell fishing, Mariculture and Ecologically Sensitive Zone
SW-II	Bathing, Contact Water Sports and Commercial fishing
SW-III	Industrial cooling, Recreation (non-contact) and Aesthetics
SW-IV	Harbour and
SW-V	Navigation and Controlled Waste Disposal

The report of analysis is given in Annexure XVII.

The locations namely Ennore Creek, Alamparaikuppam, Thalangadu, Kottakuppam, Tharangambadi Beach, Vellankani and Kollidam fall under SW-II category for most time of the year. The locations namely Muthupettai, Lagoon Nearby the Coast Line, Kezhathottam, Adiramapattinam, Mallipatanam, Kottaipattinam, Rameswaram, Erwadi, Thiruchendur, Punnakayal, Vembar, Uvari, Kanyakumari, Keezhamanakudy, Santhome Beach, Injambakkam, Mamallapuram, Kalpakkam, Cuddalore, Pichavaram, Koodankulam and Thangapattinam majorly fall under SW-I category. And the location Tiruvottiyur, Chennai Port Trust, Nagapattinam, Tuticorin and Colachel fall under SW-I and SW-II category.

6.2.4 Polluted River Stretches

The Central Pollution Control Board (CPCB) has identified ten numbers of river stretches in Tamil Nadu as “Polluted River Stretches (PRS)” during 2022 based on Bio-Chemical Oxygen Demand (BOD) levels in the rivers and categorized the PRS into five priorities (Priority I: BOD > 30mg/L, Priority II: BOD 20 to 30mg/L, Priority III: BOD 10 to 20 mg/L, Priority IV: BOD 6 to 10 mg/L, Priority V: 3 to 6 mg/L). The details of the PRS are as below:

1. River Sarabanga-Thathayampatti to T. Konagapadi Stretch – (15 Kms) – Priority – II.
2. River Thirumanimutharu – Salem to Papparapatti Stretch – (15 Kms) – Priority-I

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3. River Vasista – Manivilundhan to Thiyaganur Stretch – (10 Kms) – Priority-I.
4. River Cauvery – Mettur to Mayiladuthurai Stretch – (200 Kms) – Priority-III.
5. River Bhavani-Sirumugai to Kalingarayan Stretch – (60 Kms) – Priority-V.
6. River Tamiraparani- Pappankulam to Arumuganeri Stretch – (80 Kms) – Priority-IV.
7. Cooum River – Avadi to Sathya Nagar - (31.70 Kms) – Priority-I.
8. Adyar River – Tambaram to Nandanam – (30.10 Kms) – Priority-I.
9. Amaravathi River – Madathukulam to Karur - (108 Kms) – Priority-V.
10. Palar River – Kodaiyanchi to Marapattu – (16.30 Kms) – Priority-V.

The water quality of the polluted river stretches indicated that the main cause of pollution is discharge of untreated domestic sewage/ sullage and dumping of municipal solid wastes from the urban local bodies. Based on the CPCB reports, the Hon'ble National Green Tribunal (NGT) Principal Bench took Suo-moto cognizance and issued the following directions by its orders dated 20.09.2018 & 19.12.2018 in O.A. No.673/2018.

“All the States and the Union Territories to prepare action plans for bringing all the polluted river stretches to be fit at least for bathing purpose.”

Accordingly, TNPCB in coordination with line Departments has prepared and submitted the action plans with timelines for all the ten and the approved action plans are under implementation to prevent the discharge of sewage and solid waste management and for the Restoration and Rejuvenation of rivers with the coordination of various Government Departments. The water quality of the polluted river stretches is monitored under NWMP programme and the monitored data is uploaded in the TNPCB web site as well as in the CPCB portal. The water quality of the PRS viz. Tamiraparani, Bhavani, Palar and Amaravathi are meeting the bathing standards of the CPCB.

6.3 National Ambient Noise Monitoring Network Programme

Noise is generated from a variety of indoor and outdoor sources such as industries, transport vehicles, construction activities, generator sets and fire crackers. The Noise Pollution (Regulation and Control) Rules, 2000 were notified by MoEF&CC under the Environment (Protection) Act 1986 and amended in January 2010. Database on noise level is required for policy formulation, setting standards and ensuring compliance of the existing rules.

The TNPCB in association with the CPCB has established 10 Real Time Ambient Noise Monitoring Stations in Chennai City under National Ambient Noise Monitoring Network Programme. The stations are at Egmore, T.Nagar, Perambur, Guindy, Triplicane, Pallikaranai, Velachery, Washermanpet, Anna Nagar and Sowcarpet. The monitoring

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data reveals that the ambient noise level in Chennai city is exceeding the prescribed standards which mainly due to vehicular movement and construction activities. The annual average noise level for the year April 2023- March 2024 is given in Annexure – XVIII A and XVIII B.

6.4 Vehicle Emission Monitoring

In Tamil Nadu, Pollution Under Control (PUC) Certificate is issued for all kind of vehicles by the private emissions testing centers authorized by Transport Department under rule 116(B) of Tamil Nadu Motor Vehicles Rules 1989. The TNPCB conducts training programme for the persons to be engaged in emission checking centers for the operation of emission checking instruments. The Board also issue working performance certificate for the new emission monitoring instruments to be used in the private emission testing centers. During the year 2023-2024, the Board has given training to 216 persons for operation of emission checking instrument and certified 101 new instruments.

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CHAPTER - VII

LEGAL ACTIONS

7.1 INTRODUCTION

The Board has the power to issue permissions (CTE/CTO/RCO) under Section 21 of the Air Act and Sections 25 & 26 of the Water Act. If a unit is found violating regulations, the Board can direct its closure and stop its power supply under Section 33A of the Water Act and Section 31A of the Air Act.

Affected parties can appeal:

Orders under the Air Act to the Appellate Authority.

Orders under Sections 25, 26, or 27 of the Water Act to the Appellate Authority.

Orders under Section 33A of the Water Act to the National Green Tribunal under Section 33B.

The Board also files cases under the Water Act, Air Act, and Environmental Protection Act. The Law Section of the Board handles all environmental cases filed against the TNPCB in various courts and tribunals.

7.2 GREEN BENCH

The Hon'ble High Court has constituted a 'Green Bench' during the year 1996 as per the direction of Hon'ble Supreme Court of India dated 28.8.1996 in W.P.(C).No. 914 of 1991 to address cases with the environmental pollution related cases.

7.3 APPELLATE AUTHORITY

As The Government in the Environment and Forests Department has established an Appellate Authority under the authority granted by Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981. This Authority, chaired by a retired High Court judge and comprising two technical members, handles and resolves appeals from industries against orders issued by the TNPCB under Sections 25, 26, and 27 of the Water Act, and any orders issued under the Air Act, as amended.

7.4 NATIONAL GREEN TRIBUNAL

The National Green Tribunal (NGT) was established in New Delhi on October 18, 2010, by the Central Government under the National Green Tribunal Act 2010. It handles cases related to environmental protection and forest conservation. Aggrieved individuals can

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appeal to the NGT within 30 days of an order by the SPCB or Appellate Authority under the Water Act, Air Act, and Environmental Protection Act. The NGT Southern Zone, established in 2010, operates in Chennai.

The cases filed, disposed and pending in the Hon'ble Supreme Court of India, High Court of Madras at Principal Seat and Madurai Bench, National Green Tribunal (Principal Bench and Southern Zone) and Appellate Authority during the financial year 2023-2024 are as follows:

Sl. No.	Name of the Court	No. of cases pending as on 31.03.2023	No. of cases filed from 01.04.2023 to 31.03.2024	No. of cases disposed (including cases filed in previous years)	Total No. of pending as on 31.03.2024 (3 + 4 - 5)
(1)	(2)	(3)	(4)	(5)	(6)
1	Supreme Court of India	26	7	2	31
2	High Court of Madras at Principal Seat and Madurai Bench	229	107	50	286
3	National Green Tribunal (PB)	12	15	25	2
4	National Green Tribunal (SZ)	243	50	20	273
5	Appellate Authority	77	138	114	101
	Total	587	317	211	693

7.5 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) VIOLATION CASES

As per the EIA Notification 2006 as amended (S.O.804 (E) dated 14.03.2017), In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance.

Accordingly the MoEF&CC/SEIAA will request the State Government to initiate action against the project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 before issue of environmental clearance. Based on the request of MoEF&CC/SEIAA, the State Government request the State Pollution Control Board to take appropriate action against the project proponent and send the detailed action taken report directly to MoEF&CC/SEIAA with intimation to the State Government.

VII. LEGAL ACTIONS

As per the request of the Government received so far, the details of (cases filed, disposed and pending) action initiated by the TNPCB against the project proponent under the provisions of section 19(a) of the Environment (Protection) Act, 1986 are as follows:

Sl. No.	Name of the Court	No. of cases pending as on 31.03.2023	No. of cases filed from 01.04.2023 to 31.03.2024	No. of cases disposed (including cases filed in previous years)	Total No. of pending as on 31.03.2024 (3 + 4 - 5)
(1)	(2)	(3)	(4)	(5)	(6)
1	Metropolitan / Chief Judicial / Judicial Magistrate Courts	99	100	50	149

Appointment of Law Consultant

As per Board proc. No. 83 dated 26.10.2023, a Project Management Unit was formed with Technical Consultant on temporary basis to implement the Single Use Plastic (SUP) ban in Tamil Nadu.

7.6 IMPORTANT JUDGMENTS / ORDERS

7.6.1 HON'BLE SUPREME COURT OF INDIA

(i) Civil Appeal No.8536 of 2022 – Plastic Matter – Paper Cups

The Tamil Nadu and Puducherry Paper Cup Manufacturers Association have filed a C.A.No.8536 of 2022 against the State of Tamil Nadu and others. The appellants are aggrieved by a common judgment (Judgment dated 11.07.2019 in WP No. 3984/2019) of the Madras High Court, by which their writ petitions challenging a government order (G.O.Ms No. 84 dated 25.06.2018 w.e.f. 01.01.2019) banning manufacture, storage, supply, transport, sale, distribution, and use of 'one time use and throwaway plastics', was dismissed. The Hon'ble Supreme Court Of India in its order dated 20.10.2023 has passed order stating that C.A. No. 8536/2022 is hereby disposed of, seeing no reason to interfere with the High Court's findings on the ban of reinforced paper cups.

7.6.2 Hon'ble High Court of Madras

(i) W.P.No.34307 of 2022 & other batch cases – Brick Kilns matter

In this batch of writ petitions filed by the brick kilns units located at Thadagam & Non-Thadagam valley, Coimbatore District the Hon'ble High Court of Madras vide W.P.No.34307 of 2022 has passed order dated 27.04.2023 inter alia that

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1. In terms of the delegated power under Section 5 r/w 23 of the Environment (Protection) Act, 1986, the Chairman, Tamil Nadu Pollution Control Board, is entitled to levy damages / penalty / compensation.
2. The period of damage shall be from the date of commencement of the operation by the individual brick kiln which can be found out from the Annual Brick Fee paid by them or from such material as the Chairman / the Committee so decides and shall conclude with the date of closure passed by the District Collector, Coimbatore, i.e., 13.06.2021.

(ii) W.P.No.34065 of 2018 & other batch cases – Plastic matter

The Tamil Nadu Pongy Plastic Association, Chennai has filed a W.P.No.34065 of 2018 against the Principal Secretary to Government & others challenging the G.O.(Ms) No.84, dated 25.06.2018 issued by the Government of Tamil Nadu to ban on manufacture, store, supply, transport, sale or distribute of use and throwaway plastics plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups and plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness. The Hon'ble High Court of Madras in its order dated 27.12.2018 has dismissed the writ petitions and uphold the G.O.(Ms) No.84, dated 25.06.2018 issued by the Government of Tamil Nadu

In respect of review of Application No.89 of 2019 in W.P.No.34065 of 2018, the Hon'ble High Court of Madras in its order dated 20.10.2022 has lauded the efforts of TNPCB in developing this first of its kind directory in the entire country interalia that.

“6. This Court places on record its appreciation to the efforts taken by the 3rd Respondent (TNPCB) to come out with a Directory of Manufacturers and Suppliers of Eco-alternative Materials for Single Use Plastics in Tamilnadu. A perusal of the said Directory not only shows various ecofriendly alternative materials in lieu of Single Use Plastics, but also gives details of the Manufacturers/Retailers in each District of Tamil Nadu.

7. We are also happy to note that this Directory is a first of its kind in the entire country and persons who have conceptualized the above, deserve accolades. This Directory would not only help the Retailers, but would also help the domestic purchasers; since we are informed the Directory is available online.”

iii. W.P.(MD) No. 23412 of 2024 :F/b. S.P. Muthuraman - Important judgement

Thiru.S.P.Muthuraman Tirunelveli filed a WP(MD) No.23412 of 2024 against the mining of atomic energy in Kanyakumari district with the prayer to direct the respondent to hold the public hearing in the 8 villages independently at the project site itself. The Hon'ble High

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Court of Madras, Madurai bench has quoted the provision for the procedure for conduct of public hearing as follows:

“The public hearing shall be arranged in a systematic, time bound and transparent manner ensuring widest possible public participation at project site or in its close proximity district wise— By the concerned pollution state control board or the union territory pollution control committee. In this regard the Honble High court has observed that reading of this provision would show that the conduct of public hearing in the site is not mandatory. The public hearing is to be conducted at the project site or its close proximity. It is for the authority to decide. if the public hearing is conducted 100 KM away from the site, the petitioner can very well question the same.”

7.6.3 Hon’ble National Green Tribunal Southern Zone, Chennai

- i. **O.A. No.107 of 2023 (SZ) & O.A. No.39 of 2024(SZ) – Suo Motu “Huge pollution risk in 8 Km around NLC” and in The Times of India, Chennai Edition dt. 09.08.2023 under the caption “Water near NLC full of Mercurys A No. 107 of 2023 taken as Suo Motu based on the news item published in the around NLC” and in The Times of India, Chennai Edition dt. 09.08.2023 under the caption “Water near NLC full of Mercury”.**

As per the direction issued by the Hon’ble NGT (SZ) Chennai in its order dated 10.08.2023 Tamil Nadu Pollution Control Board (TNPCB) to inspect the area, study the water quality of the water bodies near NLC and also to ascertain whether the news is correct or not. Based on the Order, the Board has formed a committee on 10.08.2023 to inspect the area and collect Water and soil samples in the area referred in the study report and the TNPCB committee inspected study area on 11.08.2023, 16.08.2023, 17.08.2023, 23.08.2023, 29.08.2023 and 28.09.2023.

- ii. **Original Application No.180 of 2023 Suo Motu - Oil Spillage in Ennore during Michaung cyclone**

OA No.180 of 2023, SUO MOTU - Suo Motu based on the Visual media titled Chennai Rains Oil Companies - Shocking Story - Michaung Ground Report covered by on VIKATAN TV Chennai dt. 06.12.2023.

On 24.10.2024, the, show-cause notice was issued vide TNPC Board Proceeding No.: TNPCB / T6/ F.12753 / MNL / RL / 2024, dated 21.11.2024 to M/s. Chennai Petroleum Corporation Limited, Refinery I, II & III, Manali Village, Thiruvottiyur Taluk, Chennai District to show cause within 15 days as to why environmental compensation of Rs. 73,68,00,906/- (Rupees Seventy-Three Crores Sixty-Eight Lakhs Nine Hundred and Six only) shall not be levied against their unit under Section 5 of the Environment Protection

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Act, 1986 for the environmental damages and the socio-economic damages caused due to oil spill occurred during December 2023.

7.7 Action against Defaulting Units

The Board monitors the industries on compliance of environmental standards. If violation is noticed, show cause notices are issued. Once the units rectify the defects, further action is dropped. If violation continues, the units will be called for personal hearing and time will be granted for rectification of defects. In case, the units continue to violate and pollute the environment, the Board issues direction for closure and disconnection of power supply under the provisions of the Water (P&CP) Act, 1974, the Air (P&CP) Act, 1981 and the Environment (Protection) Act, 1986. Once the unit rectifies the defects, the closure order is revoked and power supply is restored.

Sl. No.	Action	Upto 31.03.2023	During the year 2023-24	Total as on 31.03.2024
1.	No. of units for which show cause notice issued	1,22,345	3,482	1,25,827
2.	No. of units for which closure order and disconnection of power supply order issued	14,082	152	14,234
3.	No. of units for which orders for revocation of closure and restoration of power supply	7,139	182	7,321
* Data from 1999-2000 onwards				

7.7.1 Demolition of Unauthorized Units

During the period 2022-2023, the District Coordination Committee (*vide G.O. (Ms) No. 23, Environment and Forests (EC.1) Department, dated: 01.03.2018*) has demolished 60 unauthorized units. Most of these demolished units are unauthorized textile bleaching and dyeing units located in Kumarapalayam area along the bank of Cauvery river.

7.7.2 Levy of Environmental Compensation

Environmental Compensation is a policy instrument for the protection of the environment, which works on the 'Polluter Pay Principal'. As per the orders of the Hon'ble NGT (PB) in O.A No.593/2017 [W.P. (Civil) No.375/2012], the CPCB evolved methodology for assessing environmental compensation for the following cases:-

- Discharges in violation of consent conditions, mainly prescribed standards / consent limits;

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- b) Not complying with the directions issued, such as direction for closure due to non-installation of OCEMS, non-adherence to the action plans submitted, failure of preventing the pollutants being discharged in water bodies and failure to implement waste management rules etc.;
- c) Intentional avoidance of data submission or data manipulation by tampering the Online Continuous Emission / Effluent Monitoring Systems;
- d) Accidental discharges lasting for short durations resulting into damage to the environment;
- e) Intentional discharges to the environment-land, water and air resulting into acute injury or damage to the environment;
- f) Injection of treated / partially treated / untreated effluents to ground water.

The Government vide G.O. (Ms) No. 77, Environment and Forests Department, dated 28.10.2020 accepted the proposal of the TNPCB for levying environmental compensation against the Health Care Facilities and Common Biomedical Waste Treatment Facilities for non-compliance of the Bio-medical Waste Management Rules based on the methodology and formula given by the CPCB.

Accordingly, the TNPCB levies environmental compensation to the industries and health care establishments. During the period from 01.04.2023 to 31.03.2024, Rs.6,76,92,525/- (Rupees Six Crores Seventy Six Lakhs Ninety Two Thousand Five Hundred and Twenty Five only) have been collected as environmental compensation from industries.

CHAPTER-VIII

ENVIRONMENTAL TRAINING INSTITUTE

8.1 ENVIRONMENTAL TRAINING INSTITUTE

The Board established the Environmental Training Institute (ETI) in 1994 with Danish Assistant for educating and training the employees of the Board, industrial representatives, executives of Corporations, Municipalities, line – agencies, and various Non-Governmental Organisations on pollution control and environmental protection. Trainings are provided to enhance technical knowledge on Environmental Acts and Laws, State of the Art technologies for environmental management and protection. Training sessions also focus on the well-being of the officials, where trainings were provided on Stress Management, Time Management and Self Development to the Board Officials. Such trainings have been organised by the board with resource person from agencies pioneer in the particular field. The Board also organises training for Government Officials of different departments and Deputy Collectors, focusing on the administrative strategies of the Board.

In addition to this, Officials of the Board officials have participated in trainings held by various organizations of merit such as Centre for Science and Environment, Rajasthan, Environment Protection Training and Research Institute, Hyderabad, Council on Energy, Environment and Water etc. throughout the country. Trainings on a broad spectrum of avenues have been attended by the officials. A total of 412 officials have received training through the programmes conducted by ETI.

8.2 Training programs conducted by TNPCB from April 2023 to March 2024

S. No.	Training Program	Date of Training	Programmes attended by	No. of Beneficiaries
1	Half week training program for Probationary Deputy Collectors	05.04.2023 to 07.04.2023	Probationary Deputy Collectors	4
2	Compulsory Heads of Department and District training program for section officers	06.07.2023	Section Officers from Secretariat	30
3	State Head Quarters training program for IAS probationers' of 2022 batch	08.06.2023	IAS probationers' of 2022 batch	30

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S. No.	Training Program	Date of Training	Programmes attended by	No. of Beneficiaries
4	Go Green Initiatives at Anna Administrative Staff College	19.07.2023 to 21.07.2023	Government officials from various organisations	70
5	Training Program for TN Chief Ministers Green Fellows under TNCMGF Programme	07.08.2023 08.08.2023 10.08.2023	TNCMG Fellows	40
6	Airshed: Approach – Optimising synergies for urban and rural air pollution management at India Clean Air Summit	23.08.2023 to 25.08.2023	Participants of India Clean Air Summit	1
7	Training ban on single use plastics and measures to be taken at individual level & promoting the usage of manjappai instead of plastic bags	19.07.2023 to 21.07.2023	Government officials	32
8	Half week training programme for probationary Deputy Collectors	12.12.2023 14.12.2023	Probationary Deputy Collectors	18
9	Preliminary Training Programme	26.12.2023	Assistant Directors, DISH	12
10	Compulsory Heads of Departments and District Administration training programme	04.01.2024	Section officers, Secretariat	34
11	Training Programme to Finance Department officials	19.02.2024 20.02.2024	Assistant Directors, Finance Dept.	2
Total				273

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CHAPTER-IX

ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

9.1 Environmental Awareness

Environmental awareness is to understand the fragility of environment and the importance of its protection. Promoting environmental awareness is an easy way to become an environmental steward and participate in creating a brighter future for next generations. Environmental campaign has become an important tool to achieve effective compliance of various pollution control norms. Large scale public involvement can strengthen environment movements for the sake of implementation of environment-friendly rules and regulations by the Government machinery in much better way to have the most desired results. The Board conducts various types of environmental awareness programmes every year on the following occasions. During the year 2023-2024, the following awareness programmes were conducted during festival occasions.

9.1.1 Vinayagar Chathurthi

Awareness programmes are conducted among the public through the District Offices regarding the ecofriendly celebration of Vinayagar Chathurthi festival in compliance to the Central Pollution Control Board (CPCB) Revised Guidelines for Idol Immersion-2020. Letters are addressed to the Stakeholders to take necessary action for the safe and ecofriendly celebration of Vinayagar Chathurthi festival. Press release in English & Tamil was published in the Dailies regarding eco friendly celebration of Vinayagar Chathurthi festival and the public are requested to immerse the idols only in the water bodies notified by the Government of Tamil Nadu. The Board monitors water quality of the said water bodies by collecting water samples on pre, during and post immersion of idols and submitted the consolidated Report of Analysis (ROA) to the CPCB.

9.1.2 Deepavali

Every year the Board conducts public awareness programme during Deepavali festival for celebrating noise and smoke pollution free Deepavali. The Hon'ble Supreme Court of India in its Judgement dated 23.10.2018 in W.P (C) No. 728/2015 have issued directions interalia that the crackers with reduced emission (improved crackers) and green crackers only would be permitted to be manufactured and sold, extensive public awareness campaigns shall be taken up by the Central Government / State Government / Schools / Colleges informing the public about the harmful effects of firecrackers. The Hon'ble Court has also restricted the timing of two hours for bursting of fireworks. Accordingly, the Government of Tamil Nadu has permitted the public for bursting of crackers between 6.00 AM to 7.00 AM and 7.00 PM to 8.00 PM on the Deepavali day. The Hon'ble Supreme

IX. ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

Court has also directed the SPCBs to carryout short-term monitoring in their cities for 14 days (commencing from 7 days prior to Deepavali and ending 7 days after Deepavali).

As per the directions of the Hon'ble Supreme Court of India, the Board has conducted awareness programme in association with Eco-clubs, National Green Corps, School Education, Higher Education and Police Departments and District Administration. In this regard, a total fund of Rs.8.35 Lakhs (Rupees Eight Lakhs and Thirty-Five Thousands only) was sanctioned to all the District Environmental Engineers for conducting awareness programme. Awareness through FM Radio was also done for four days from 08.11.2023 to 11.11.2023 in 9 cities (i.e.) Chennai, Trichy, Coimbatore, Madurai, Tirunelveli, Tuticorin, Vellore, Salem and Erode.

9.1.3 Bhogi Festival

The Board conducted awareness programmes during Bhogi Festival in January 2024, to sensitize the public about the ill effects of air pollution caused due to the burning of waste materials such as waste tyres, tubes, plastic materials, cloths etc. All the DEEs have conducted the programme in coordination with the District Administration. Awareness through FM radio was also done for two days from 12.01.2024 to 13.01.2024 in 9 cities (i.e.) Chennai, Trichy, Coimbatore, Madurai, Tirunelveli, Tuticorin, Erode, Salem and Vellore. On the day of Bhogi, night patrolling was carried out by the Board officials in the Chennai city so as to curb the burning of tyres, tubes and plastic materials. The Board also conducted ambient air quality survey on pre-bhogi and bhogi day at 15 places in Chennai city viz., Kathivakkam, Manali, Thillai Nagar (Kolathur), Tondiarpet, Royapuram, Thiru.Vi.Ka.Nagar, Ambattur, Anna Nagar, Besant Nagar, Thiyagaraya Nagar, Perungudi, Karambakkam, Meenambakkam, Kodambakkam and Sholinganallur. The results are given in Annexure-VIII B.

9.2 Public Participation

9.2.2 Tamil Nadu Green Champion Award 2023

From the year 2021 onwards, TNPCB presents Green Champion Awards to Organization / Education Institutions / Schools / Colleges / Residential Welfare Associations / Individuals / Local body / Industries that have made exemplary contribution towards environment conservation and protection. 100 individuals/organizations would be selected every year for the Award. Each Award carries prize money of Rs.1 lakh. There are 94 proposals that were selected by 32 District Collectors for the issue of Green Champion Award-2023. Hon'ble Minister for Environment and Climate Change presented the Green Champion Awards to the selected awardees of Chennai Region and

concerned District Collector presented the Green Champion Awards to the awardees from other Districts.

9.2.3 Green Award to District Collectors

Tamil Nadu Pollution Control Board presents Green Awards to the District Collectors every year as an appreciation for the exemplary contribution made by them for environment protection & improvement.

The Board has been awarding District Collectors since 2011 for commendable activities in the field of environment based on B.P.Ms.No.21 Dated 11.11.2011. A total of 19 proposals were received from the District Collectors which were carefully scrutinized by an internal committee and then the shortlisted proposals evaluated by Green Award Selection committee formed by the Government. Then the following districts were selected by the selection committee based on the scores obtained.

- Trichy District
- Theni District
- Thiruvallur District
- Kishnagiri District

The Green Awards will be presented by the Hon'ble Chief Minister to the selected best Districts.

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CHAPTER – X

OTHER IMPORTANT MATTERS DEALT BY TNPCB

10.1 Oil spill from the premises of M/s. Chennai Petroleum Corporation (CPCL) through storm water drains due to cyclone Michaung

In December 2023, Michaung Cyclone resulted in heavy floods in Manali Industrial area including Chennai Petroleum Corporation Limited (CPCL) and caused ingress of oil mainly from CPCL which affected the nearby areas causing major concern to livelihood.

Under the guidance of Government & TNPCB, CPCL carried out the remediation works from 12.12.2023 to 31.12.2023 with the help of specialized cleaning agencies, skilled man power and sophisticated machineries/equipment in Buckingham Canal, Kosasthalaiyar River & Ennore Creek. A Technical Team formed by Government of Tamil Nadu vide G.O.(Ms) No.178 carried out detailed inspection and furnished their final report with certain measures to be adopted by CPCL and by other industries located along Buckingham Canal and Kosasthalaiyar River. Based on the recommendations of technical team, TNPCB issued direction under Section 33 A of Water (P&CP) Act 1974 vide Proceedings dated 11.01.2024 and 05.02.2024 to CPCL in respect of remedial measures, restoration of Manali & Ennore Area. As a result of the oil spill and ammonia gas leak incidents, Government of Tamil Nadu ordered the formation of Manali-Ennore Restoration & Rejuvenation Council (MERRC), a Special Purpose Vehicle to undertake greening, water body and mangrove restoration, solid waste management, pollution control measures and community infrastructure development for comprehensive growth of Manali & Ennore areas vide G.O. (Ms). No.43, Dated: 15.03.2024. MERRC is a 100% TNPCB owned not-for profit company incorporated under Section 8 of Companies Act 2013.

10.2 Ammonia Gas leakage

Ammonia gas leakage occurred in the under-sea pipeline of the M/s. Coromandel International Ltd., Ennore, during the pre-cooling operation of the pipeline on 26.12.2023 night. On detection of gas leak, the pipeline was immediately depressured by the unit by diverting the ammonia gas to flare. The unit was immediately inspected by the officials of TNPCB, and necessary directions was issued to the unit and the operation of the offshore pipeline and ammonia transfer was suspended immediately. A committee was constituted by the Board with experts from CPCB, IIT-M, CLRI, DISH and senior officials of TNPCB to ascertain the cause of the ammonia leak and to furnish a detailed report of the event along with recommendations to the Board. The Committee has submitted its report along with certain recommendations and the same was forwarded to the Government.

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The Government has accepted the Committee report and directed the TNPCB to implement all the recommendations of the Committee.

Based on the above, the unit was issued with directions under Section 5 of the Environmental Protection Act, 1986 to comply with the recommendations of the Technical Committee. Also, the unit was asked to remit Rs.5,92,50,888/- as interim Environmental compensation for the violation caused. The unit has remitted the environmental compensation on 14.03.2024. The Technical Committee has recommended that "TNPCB shall take immediate action to file a Criminal Case against the unit and its occupier for the non-compliance with the conditions of the consent order issued under the Air Act". Action is being taken in this regard. Meanwhile a Suo Moto has been filed on 28.12.2023, by Hon'ble National Green Tribunal (SZ) in this regard, and the case is pending before the Hon'ble NGT (SZ).

10.3 Stone Crushers in Tamil Nadu

The Board vide B.P. No.21, dated 31.07.2019 relaxed the 1 kilometer distance criteria. Aggrieved by the Board's Proceeding, a writ petition (W.P. No.26786/2019) was filed before the Hon'ble High Court of Madras. The Hon'ble Court in its order dated 04.10.2019 has granted an interim stay on the Board Proceeding and issued orders to carry out further study through any reputed institution. Based on that, the Board has entrusted the study to NEERI, Chennai and its report has been submitted before the Hon'ble High Court of Madras and the case is pending before the Hon'ble Court.

10.4 Brick Kilns

10.4.1. Brick Kilns in Thadagam Region of Coimbatore District

Based on the Hon'ble National Green Tribunal Order dated 13.05.2022 in O.A.No.119/2021, the TNPCB has issued Show Cause Notices to 185 brick kiln units located in the Thadagam Valley of Coimbatore District for levying environmental compensation for causing damage to the environment. Aggrieved by that, the Brick Kiln units have filed writ petition before the Hon'ble High Court of Madras in WP No. 34793 of 2022. As per the Hon'ble High Court order dated 27.03.2024 the Board vide work order dated 22.12.2023 allotted work to TERI for carrying out "Assessment of Environmental Compensation for brick kilns located in Thadagam Region."

10.4.2. Brick Kilns in Other Regions of Coimbatore District

Based on the Hon'ble High Court of Madras Order dated 24.11.2022 in W.P. No.27356/2019, 9090/2021 and 10794/2021, vide proceeding dated 20.12.2022,

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direction for closure and disconnection of power supply have been issued to 118 brick kiln units located in Coimbatore North and South Region and directions were also issued to the District Collector, Coimbatore and Director, Department of Geology & Mining to ensure that the brick kilns without valid consent of TNPCB are not operated.

10.5 Remediation of Chromium Contaminated Site at M/s. Tamil Nadu Chromates and Chemicals Limited (TCCL), Ranipet

M/s. Tamil Nadu Chromates and Chemicals Ltd. (TCCL) at Ranipet was operated between 1975-1995 and manufactured sodium bi-chromate, basic chromium sulphate and sodium sulphate using chromate ore. During its operation, about 2.2 Lakh Tonnes of chromium bearing hazardous process waste generated was dumped at the backyard of its premises on open land in an extent area of 2 hectares to a height of 3 to 5 meters. The leachate generation from the stockpile is causing a threat for contamination of land and ground water in that area.

The Board has initiated a series of legal actions which includes the issue of closure order, directions under Section 5 of the Environment (Protection) Act, 1986, etc. However, no progress on remediation could be achieved as there was change in the company management and difficulties are being encountered in tracing & recovery of funds for implementation.

In order to remediate the contaminated site, the CPCB has awarded the contract to M/s. ERM India Pvt. Ltd, Bangalore for the preparation of Detailed Project Report (DPR) and providing consultancy for remediation. Accordingly, M/s.ERM India Pvt. Ltd has conducted detailed study and submitted DPR.

M/s ERM India Ltd has suggested the following options (i) Interim remedial measure – Capping over the existing dumpsite and also to provide earthen storm water drain to divert the rain water at a cost of Rs.12 Crores and (ii) Full Scale remediation – Waste Stabilization and storing in secured landfill at onsite followed by ground water pumping & treatment for next 15 years at a cost of Rs. 556 crores.

The Hon'ble NGT (SZ) vide order dated: 02.09.2022 in OA No. 186 of 2020 has directed TNPCB to implement the interim remedial measure of capping to stop further contamination within a period of one year. Therefore, in order to implement the Hon'ble NGT (SZ) order vide order dated: 02.09.2022 in OA No. 186 of 2020, for interim remedial measures, technical document has been prepared through consultant. It involves the Capping the existing Hazardous Waste stockpile, capping of new stockpile, construction of drainage network, construction of collection pond for Rainwater Collection & Construction of New Boundary Wall at a total estimated project cost of Rs. 15 crores.

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Open tender was called for selecting suitable agency for Project Management Consultancy Services including Bid Management for the Implementation of the Interim Remedial Measure at the Chrome Contaminated Site.

Further, the Government vide G.O.(Ms) No.218 E, CC& F Dept dated: 22.12.2022 has constituted a committee under the Chairmanship of the Additional Chief Secretary to Government, Environment, Climate Change & Forest Department for monitoring the implementation of the remediation process to resolve the issue of chromium contaminated site at Ranipet.

10.6 Remediation of Mercury Contaminated Site at M/s. Hindustan Unilever Limited (HUL), Kodaikanal

M/s Hindustan Unilever Limited (HUL) at Kodaikanal (earlier in the name of M/s Ponds India Limited) was in operation between 1984 - 2001 and manufactured clinical glass mercury thermometer. During March 2001, complaints were received about improper disposal of mercury contaminated glass scrap and the TNPCB issued closure order to the unit in March 2001.

The mercury contaminated hazardous waste accumulated within the premises was fully exported to the recycler M/s. Bethlehem Apparatus Company at Pennsylvania, USA in year 2003. Later, in May 2006, the machineries used in the process were decontaminated scientifically on site. Environmental Site Assessment and Risk Assessment Studies, carried out in post closure of factory operations, reported the fact that soil within the factory premises is contaminated with mercury and soil remediation is to be carried out.

Based on the scientific studies, Site Specific Target Level (SSTL) was fixed as 20mg/Kg in the soil after remediation by Scientific Expert Committee, NEERI & CPCB. A case was filed before the Hon'ble Principal Bench of the NGT and the Hon'ble Supreme Court challenging the remediation standard of 20 mg/kg. Both the Hon'ble Principal Bench of the NGT and the Hon'ble Supreme Court has agreed with the Site-Specific Target level of 20mg/Kg (total mercury) for Kodaikanal contaminated area vide its order dated: 01.11.2018 & 05.03.2019 respectively.

NEERI has recommended five stages process which involves viz., Soil Excavation, Washing, Retorting, Homogenisation and Backfilling for the site remediation. Board has issued consent for carrying out the soil remediation valid for the period upto 31.03.2024. The soil remediation work at the premises is being carried out under the supervision of National Environmental Engineering Research Institute (NEERI).

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The TNPCB has constituted Scientific Expert Committee (SEC) during September 2005 for the remediation of mercury contaminated site. The remediation works are being carried out under the monitoring & recommendation of SEC members, CPCB & TNPCB officials.

As of January 2025, 17858 m² area is remediated and remediation around the factory building covering an area of 5960 m² is to begin. The validation process of the soil remediation by IIT Madras is under process.

10.7 Remediation of Oil Contaminated Site at M/s. Bharat Petroleum Corporation Limited (BPCL) Tondiarpet, Chennai

An incident of oil leakage occurred in the year 2013 in the underground pipeline of Bharat Petroleum Corporation Limited (BPCL) at Tondiarpet while conveying petroleum products between Chennai Port and BPCL Tondiarpet storage terminal, Chennai district. BPCL disconnected the pipeline immediately and made inactive and engaged IIT Madras for carrying out field investigation and characterization of contamination. Further, contaminated ground water of 208 KL and floating oil of 7.3 KL at affected site were removed from 18 bore wells in the vicinity of the unit. As a part of remediation work, Two SVE (Soil Vapour Extraction) (SVE I & SVEII) system has been operated.

The Hon'ble NGT order dated 07.09.2022 in O.A. NO. 176/2013 (SZ) has closed the matter stating that (i) additional six-month time may be granted for completion of qualitative health study in affected area by ICMR with project funding from M/s BPCL by considering the constraint due to non-co-operation of public to complete the field study. (ii) M/s BPCL may discontinue the SVE-I system from present location and relocate the same to nearby residence area where petroleum compounds are reported in the groundwater. (iii) SVE–II system shall be operated for another 6 months or may be extended based on the performance assessment carried out by CPCB and TNPCB. (iv) M/s BPCL may direct to pump the groundwater in the affected area in regular interval and to treat the same in existing treatment system at least for 6 months.

The status of the remediation was reviewed by the officials of TNPCB & CPCB on 13.06.2024. About 98% of the TPH contamination has been removed from the site. Based on the meeting, BPCL was instructed to pump and treat the ground water at the rate of 15 KL/Day around the affected area continuously, install and operate carbon adsorption filter system instead of SVE – II system due to low TPH and collect samples at new reference monitoring wells in the upstream of the contaminated site.

M/s. ICMR has submitted the final report of the health study titled “Health Impact of petroleum oil leak among the residents of Tondaripet, Chennai” with a recommendation to

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

approach medical department as a way forward in this matter. In this regard, the health care facility of M/s. Sri Ramachandra Medical Centre, Chennai was addressed to obtain suggestions.

10.8 Status of Announcements Made in the Assembly

Status of the Announcements made by the Hon'ble Minister for Environment on the floor of the Legislative Assembly during the budget demand for the year 2022-2023 is as follows.

S.No.	Announcement Detail	Status
1.	TN Kurunkadugal Thittam-Promoting 1000 native groves by industrial units to fight climate change	933 developed and 67 under development. Geo-tagging completed for Vellore region, and third-party evaluation will be done by TNAU.
2.	Setting up of Research and Development Center	Tamil Nadu Police Housing Corporation (TNPHC) is overseeing the project. The demolition of dilapidated buildings is in progress, and planning for the Green Building is underway.
3.	Waste Exchange Bureau will be set up for exchange of waste between waste generators and users	Work order issued to develop software for waste exchange and management.
4.	Mainstreaming rag pickers in circular economy (MRPC)	Work order issued to M/s. Kabadiwala Connect Pvt Ltd for pilot study in GCC-Zone 13 & 14. Capacity-building programs are scheduled.
5.	TN Fishnet initiatives (TANFI)	Collection center established at Kasimedu, with another site identified in Kovalam. Baseline survey conducted by SDMRI.
6.	Environmental Protection Act, 1986 and NABL accreditation for Advanced Environmental Laboratories	Work order issued, and gap analysis completed for accreditation and recognition.
7.	Microbiological Analysis Wing will be set up in eight advanced environmental laboratories (AEL) of TNPCB	Phase I completed in Chennai, Salem, Madurai, Trichy, and Tirunelveli. Phase II at Cuddalore, Coimbatore, and Vellore is planned for implementation.

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S.No.	Announcement Detail	Status
8.	Soil Quality Mapping will be done in and around the industrial areas of Tamil Nadu in collaboration with TNAU	Work order issued to TNAU, covering SIPCOT/SIDCO, CEPI areas, and other polluted zones. Works are planned in phased manner from 2024 to 2025.
9.	Climate Warriors' Initiative (Hon'ble Finance Minister speech 2023-2024)	Ongoing

10.9 Public Hearing

As per the Environmental Impact Assessment Notification, 2006, certain categories of industrial projects require prior Environmental Clearance (EC) from the Ministry of Environment, Forests and Climate Change, Government of India or State Environmental Impact Assessment Authority (SEIAA), which depends on the size of the project. As per the notification, TNPCB conducts public hearing headed by the District Collector. After conducting public hearing, inviting opinions from the public, the details of the minutes are sent to the MOEF, Government of India or SEIAA. During the period April 2023 to March 2024, public hearings were conducted for 187 projects and the details are being uploaded in the website www.tnpcb.gov.in

The details of significant public hearing conducted during the period April 2023 to March 2024 are as follows

Sl. No.	Project Details	Date & Time
1	M/s.Vishnusurya Projects and Infra Pvt Ltd, Rough Stone & Gravel Quarry, , Virudhunagar District Proposed Rough Stone Quarry over an extent of 11.77.0 Ha(Cluster area of 21.24 Ha)	29.02.2024@ 11.00 AM
2	M/s.Bradken India Pvt Ltd Madukkarai Taluk, Coimbatore District Proposed quantity of Ferrous Castings from 23,166 TPA to 57,600 TPA and Composite Mill Liners from 27,000 TPA to 50, 000 TPA for Expansion of Foundary Unit.	26.02.2024@ 11.00 AM
3	M/s.Tamil Nadu Cements Corporation Limited, Ariyalur District Proposed Limekankar& Limestone Quarry over an extent of 22.89.0 Ha	24.02.2024@ 04.00 PM
4	M/s.Tamil Nadu Cements Corporation Limited, Ariyalur District Proposed Limekankar& Limestone Quarry over an extent of 23.02.5 Ha	24.02.2024@ 02.00 PM

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Project Details	Date & Time
5	M/s.S.Growth Alliances LLP, Kancheepuram District Common Bio-Medical Waste Treatement & Disposal Facility by M/s.S.Growth Alliances LLP. Latitude:12038'35.6"N Longitude:79042'11.9"E	23.01.2024@ 10.30 AM
6	M/s.Mahimandalam Black Granite Quarry, Vellore District Proposed Mahimandalam Black Granite Quarry over an extent of 166.92.0 Ha .	31.01.2024@ 11.00 AM
7	M/s.Indian Oil LNG Private Ltd, Ennore LNG Terminal, Tiruvallur District proposed Expansion of Ennore LNG Terminal from 5 Million Metric per Annum to 10 Million Metric Tonnes per Annum.	17.11.2023@ 10.00 AM
8	M/s.Virahalur Sand Quarry Tiruchirapalli District Proposed Sand Quarry over an extent of 24.00.0 Hectares.	04.11.2023@ 11.00 AM
9	M/s.Achamapuram Sand Quarry, S.F.No.265/1(part), Achamapuram Village, Manmagalam Taluk, Karur District Over an extent of 24.00.0 Hectares.	04.10.2023@ 12.00 PM
10	M/s.Ashok Leyland Limited, Kathivakkam Village, Tiruvottiyur Taluk, Chennai District Proposed Expansion of Foundry unit of M/s.Ashok Leyland Limited Production from 2790 TPM to 6125 TPM of Ferrous Castings.	29.09.2023@ 11.00 AM
11	Common Bio-Medical Waste Treatement Facility Ramanathapuram District proposed Common Bio-Medical Waste Treatement Facility at Muthuvayal Village, Paramakudi Taluk, Ramanathapuram District.	Postponed
12	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 66, 67, 68, 71, 72, 73, 74, 75, 76 and 77 prepared under CRZ Notification 2019 proposed Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 66, 67, 68, 71, 72, 73, 74, 75, 76 and 77 prepared under CRZ Notification 2019.	31.08.2023@ 10.30 AM
13	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN 54, TN 55, TN 56, TN 57, TN 58, TN 59, TN 60 & TN 61 prepared as per CRZ Notification 2019 proposed Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN 54, TN 55, TN 56, TN 57, TN 58, TN 59, TN 60 & TN 61 prepared as per CRZ Notification 2019.	31.08.2023@ 11.30 AM

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Sl. No.	Project Details		Date & Time
14	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 77 to 82 and 84 prepared under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 77 to 82 and 84 prepared under CRZ Notification 2019	30.08.2023@ 10.30 AM
15	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers under CRZ Notification 2019 (Map/Sheet Nos.TN-61 to TN-64 & TN-69) with respect to Thanjavur District.	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers under CRZ Notification 2019 (Map/Sheet Nos.TN-61 to TN-64 & TN-69) with respect to Thanjavur District.	29.08.2023@ 11.00 AM
16	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN27, TN28, TN29, TN30, TN31, TN32, TN33, TN34, TN35, TN36, TN37, TN38, TN39, TN40, TN41, TN42, TN43, TN44, TN45, TN46, TN47, TN48, TN49, TN50, TN51, TN52, TN53, TN54, TN55, TN56 under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN27, TN28, TN29, TN30, TN31, TN32, TN33, TN34, TN35, TN36, TN37, TN38, TN39, TN40, TN41, TN42, TN43, TN44, TN45, TN46, TN47, TN48, TN49, TN50, TN51, TN52, TN53, TN54, TN55, TN56 under CRZ Notification 2019	29.08.2023@ 10.30 AM
17	Draft Coastal Zone Management Plan and Land use Map / Sheet Numbers TN-1, TN-2, TN-3, TN-4, TN-5, TN-6, TN-7, TN-10 & TN-11 prepared under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map / Sheet Numbers TN-1, TN-2, TN-3, TN-4, TN-5, TN-6, TN-7, TN-10 & TN-11 prepared under CRZ Notification 2019	26.08.2023@ 10.00 AM
18	Draft Coastal Zone Management Plan and Land use map in both Tamil & English prepared and updated under CRZ Notification 2019 (Map / Sheet Nos. 12 to 28, 32)with respect to Thoothukudi District.	Draft Coastal Zone Management Plan and Land use map in both Tamil & English prepared and updated under CRZ Notification 2019 (Map / Sheet Nos. 12 to 28, 32)with respect to Thoothukudi District.	25.08.2023@ 11.00 AM

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Project Details		Date & Time
19	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 64, 65, 66, 69, 70 and 71 prepared under CRZ Notification 2019.	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 64, 65, 66, 69, 70 and 71 prepared under CRZ Notification 2019.	25.08.2023@ 10.30 AM
20	Draft Coastal Zone Management Plans and Land use Map prepared and updated under CRZ Notification 2019 (Map/Sheet Nos.TN-81 to TN-90) with respect to Cuddalore District.	Draft Coastal Zone Management Plans and Land use Map prepared and updated under CRZ Notification 2019 (Map/Sheet Nos.TN-81 to TN-90) with respect to Cuddalore District.	23.08.2023@ 11.00 AM
21	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN-7, TN-8, TN-9, TN-12 & TN-13 prepared under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN-7, TN-8, TN-9, TN-12 & TN-13 prepared under CRZ Notification 2019	23.08.2023@ 10.30 AM
22	M/s.State Industrial Promotion Corporation of Tamil Nadu, Industrial Park at Manallur & Soorapoondi Villages, Gummidipoondi Taluk, Thiruvallur District.	Proposed Industrial Park in Manallur and Soorapoondi Villages over an area of 279.995 Hectares.	22.08.2023@ 11.00 AM
23	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 66, 67, 68, 71, 72, 73, 74, 75, 76 and 77 prepared under CRZ Notification 2019.	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 66, 67, 68, 71, 72, 73, 74, 75, 76 and 77 prepared under CRZ Notification 2019.	31.08.2023@ 10.30 AM
24	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN 54, TN 55, TN 56, TN 57, TN 58, TN 59, TN 60 & TN 61 prepared as per CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN 54, TN 55, TN 56, TN 57, TN 58, TN 59, TN 60 & TN 61 prepared as per CRZ Notification 2019.	31.08.2023@ 11.30 AM

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Project Details		Date & Time
25	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 77 to 82 and 84 prepared under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 77 to 82 and 84 prepared under CRZ Notification 2019	30.08.2023@ 10.30 AM
26	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers under CRZ Notification 2019 (Map/Sheet Nos.TN-61 to TN-64 & TN-69) with respect to Thanjavur District.	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers under CRZ Notification 2019 (Map/Sheet Nos.TN-61 to TN-64 & TN-69) with respect to Thanjavur District.	29.08.2023@ 11.00 AM
27	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN27, TN28, TN29, TN30, TN31, TN32, TN33, TN34, TN35, TN36, TN37, TN38, TN39, TN40, TN41, TN42, TN43, TN44, TN45, TN46, TN47, TN48, TN49, TN50, TN51, TN52, TN53, TN54, TN55, TN56 under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN27, TN28, TN29, TN30, TN31, TN32, TN33, TN34, TN35, TN36, TN37, TN38, TN39, TN40, TN41, TN42, TN43, TN44, TN45, TN46, TN47, TN48, TN49, TN50, TN51, TN52, TN53, TN54, TN55, TN56 under CRZ Notification 2019	29.08.2023@ 10.30 AM
28	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN-1, TN-2, TN-3, TN-4, TN-5, TN-6, TN-7, TN-10 & TN-11 prepared under CRZ Notification 2019	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers TN-1, TN-2, TN-3, TN-4, TN-5, TN-6, TN-7, TN-10 & TN-11 prepared under CRZ Notification 2019	26.08.2023@ 10.00 AM
29	Draft Coastal Zone Management Plan and Land use map in both Tamil & English prepared and updated under CRZ Notification 2019(Map/Sheet Nos. 12 to 28, 32)with respect to Thoothukudi District.	Draft Coastal Zone Management Plan and Land use map in both Tamil & English prepared and updated under CRZ Notification 2019(Map/Sheet Nos. 12 to 28, 32)with respect to Thoothukudi District.	25.08.2023@ 11.00 AM

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Project Details		Date & Time
30	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 64, 65, 66, 69, 70 and 71 prepared under CRZ Notification 2019.	Draft Coastal Zone Management Plan and Land use Map/Sheet Numbers 64, 65, 66, 69, 70 and 71 prepared under CRZ Notification 2019.	25.08.2023@ 10.30 AM
31	Draft Coastal Zone Management Plans and Land use Map prepared and updated under CRZ Notification 2019 (Map/Sheet Nos.TN-81 to TN-90) with respect to Cuddalore District.	Draft Coastal Zone Management Plans and Land use Map prepared and updated under CRZ Notification 2019 (Map/Sheet Nos.TN-81 to TN-90) with respect to Cuddalore District.	23.08.2023@ 11.00 AM

10.10 Complaint Cell

10.10.1 General Online Complaints

Due to increased environmental awareness and awareness on pollution control legislation, several complaints are being received from individuals / organizations / NGOs etc. regarding water, air and noise pollution. To take appropriate action against these complaints, a Complaint Cell is functioning in the TNPCB, Head Office, and Chennai. For easy access to the Public and others, separate toll-free number 18004256750 and e-mail- complaint@tnpcb.gov.in is allotted for receiving complaints and guidance. The complaints are attended by getting reports from the field officers. The action taken report is sent to the complainant. As a part of e-governance, the TNPCB has implemented online grievance petition redressal system (www.pcbolgprs.in) from 1st March 2016 onwards. Complaints on environmental pollution due to industries can be registered through this portal. The status of complaint can also be tracked through online. During the period 2023-24, 3938 complaints were received, investigated and disposed off.

10.10.2 Integrated and Inclusive Public Grievance CM Helpline Management System (IIPGCMS)

The Board had established a separate section in the Head Office to attend IIPGCMS complaints. From 1st April 2023 to 31st March 2024, 3109 petitions were received and disposed off.

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

10.11 Funding to Other Departments

Based on the instructions received from Government in the meeting held on 25.07.2022, TNPCB approved to fund an amount of Rs.496.64 Crores for the following pollution control and environmental conservation projects vide B.P. No.82, dated 22.10.2022 to be carried out by other Government Departments and three flagship missions.

The following pollution control and environmental conservation projects are being funded by the TNPCB from April 2023 to March 2024.

Statement showing details of funding to DOE & TNFD after the receipt of G.O						
Sl. No.	Name of the Scheme	Dept.	Amount (Rs. In Cr)	Amount Released (Rs. In Cr)	GO No. & Date	Pro-ceeding Date
1	Green School Programme	DoE	14.4	10	GO(Ms) No. ECCF Dept. dated 18.01.2024	09.02.2024
2	Tamil Nadu Green Climate Fund	DoE	50	50	GO(Ms) No. 225 ECCF Dept. dated 29.12.2022	16.03.2024
3	Establishment of Tamil Nadu Climate Change Mission	DoE	2.5	1.4375		
4	Green Tamil Nadu Mission	Forest	60	60	G.O. (Ms) No. 169 ECCF FR.6 Dt. 18.11.2023	05.12.2023
5	Nilgiri Tahr (Total – 25.14 Crores)	Forest	14.39	0.83	G.O (Ms) No. 222 ECCF (FR.5) Dept dated 28.12.2022	08.03.2024
6	Biodiversity Lab cum Tourism Centre at Kalakad Mundathurai Tiger Reserve	Forest	5	7	G.O(Ms) No. 34 ECCF (FR.5) Dept. dated 20.02.2023	03.05.2023
7	Establishment of Wildlife rescue and rehabilitation Centre	Forest	19.5	4.7272	G.O (D) No. ECCF (FR.5) Dept dated 12.01.2024	16.03.2024
8	Declaration of Slender Loris Sanctuary in Dindigul and Karur Districts	Forest	10	0.2	GO (D) No0. 184 ECCF Dept dated 25.09.2023	08.01.2024
	Total		175.79	134.19		

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

10.12 Construction Wing

The Board is having a construction wing at Head Office, which is coordinating with new building construction works, maintenance works to the existing buildings and other amenities required for the district office buildings located all over Tamil Nadu. The Board is having Head Office at Chennai and 38 District & 9 JCEE Offices in the State. The Head Office is functioning in own building since 1994. Among the 38 District Offices, 29 offices are functioning in own building. Offices of the JCEE's (M) and the laboratories are housed in the respective district office building.

The status of District Office buildings are as follows

Sl.No.	Status of own buildings	No. of buildings	Location of O/o. DEE
1	Functioning in the own buildings	29	Ambattur, Chennai, Maraimalai Nagar, Sriperumbudur, Thiruvallur, Trichy, Pudukottai, Thanjavur, Cuddalore, Vellore, Villupuram, Hosur, Vaniyambadi, Coimbatore (North), Coimbatore (South), Madurai, Sivagangai, Dindigul, Erode, Namakkal, Perundurai, Tirunelveli, Thoothukudi, Virudhunagar, Nagapattinam, Thiruvannamalai, Gummidipoondi, Ariyalur and Dharmapuri.
2	Building under construction	5	Salem, Nagercoil, Tiruppur (North), Tiruppur (South) & Theni
3	Land Identification / Procurement under process	4	Ramanathapuram, Kumarapalayam, Karur and Ooty.

10.13 Right to Information Act

The Right to Information Act, 2005 enables all citizens to use their basic right to access information from public bodies. The TNPCB is having a separate cell at Head Office to deal with RTI Act applications. In pursuance to the directions of Government of Tamil Nadu, TNPCB designated Additional Chief Environmental Engineer in the Head Office as State Information Officer (Appellate Authority). Further, the Board has nominated Joint Chief Environmental Engineer in the Head Office and District Environmental Engineers in 38 District Offices as Public Information Officers to provide information to the person requesting information under the Right to Information Act, 2005. During the year 2023-24, totally 713 RTI applications were received and necessary information was provided to all the applicants.

10.14 Library

The Board Library was established in 1989. At present, the library has a collection of about 12,362 books and reports. The collections are classified under Dewey decimal classification. The collection comprises of documents related to the field of Environmental Protection, Air Pollution, Vehicular Pollution, Water Pollution, Noise Pollution, Wastewater Treatment, Solid Waste Management, Hazardous Waste Management, Bio Medical Waste, Environmental Engineering, Industrial Pollution, Chemical Technology, Disasters, Soil, Energy, Pesticides, Biotechnology, Environmental Health, Environmental Economics, Environmental Chemistry, Environmental Impact Assessment, Environmental Education, Sustainable Development, Women and Environment, Environmental Law and Forestry. Library subscribes for 10 Journals, 16 Newspapers and 10 Magazines. Besides this, Annual Reports, Newsletters, Bulletins and Reports that are received from different institutions (Indian & Foreign) are also present in the library. Back volumes of the journals are bound and kept for reference in the Periodical Section. Membership is open to students and public who are involved in the field of pollution control and environmental protection. Readers are also provided with photocopying facilities.

School and college students, research scholars, lectures and professors, professionals, NGOs, industrialists and other Government Department officials and people involved in environmental protection field use to refer the library. The Readers, not only from Chennai but also from all over Tamil Nadu and from neighboring States visit the library.

10.15 Environmental Statement

Under the Rule 14 of the Environment (Protection) Rules, 1986, submission of Environmental Statement is made compulsory for every industry covered under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 or the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016. Industries are required to submit Environmental Statement for the financial year ending 31st March every year in the prescribed format in Form-V before 30th September every year to the State Pollution Control Board. The Board receives Environmental Statements from industries, assesses the water, energy and other resources consumption and their efforts in reducing the pollution levels. Based on the finding, the industries are addressed to improve the systems.

10.16 TNPCB's Online Services

As a part of ease of doing business and transparency in service to the industries and public, the TNPCB has computerized few activities by providing the following services through online.

Sl.No.	Online Module	Service
1.	Online Consent Management and Monitoring System (OCMMS)	Module for processing consent & authorization applications of industries
2.	Online Grievance Redressal System (OLGPRS)	Module for redressal of Public Complaints
3.	Online Legal Case Management and Monitoring System (OLMMS)	Module for processing legal cases
4.	Open House Session	Module for public to register for open house session

10.16.1 Integration of Single Window Portal with OCMMS

The Tamil Nadu Single Window Portal (TNSWP) covers multiple Government departments/ agencies with an aim to improve ease of doing business for investors in Tamil Nadu. During the period from April 2023 to March 2024, TNPCB received 78 consent/authorization applications through TNSWP and all applications were approved by TNPCB. TNPCB also takes special attention to follow-up on the returned/rejected applications.

10.17 Sustainable Development Goals

The Sustainable Development Goals (SDGs) are an inter-governmental agreed set of targets relating to international development to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. SDG covers 17 goals and 169 targets as resolved in the UN Summit held in September 2015. India is a signatory of the 2030 Agenda, committed to achieve SDGs. The Goals, Targets and Indicators related to TNPCB and the present status are as follows:

Goal – 6 'Clean Water and Sanitation': Ensure availability and sustainable management of water and sanitation for all

Under this Goal, TNPCB will work to improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials. Efforts shall also be taken to substantially increase recycle and reuse. In this regard, percentage of industries complying with waste water treatment is set as one of the

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

indicators. The TNPCB mandates highly polluting industries to achieve ZLD system for trade effluents with an aim to recycle treated wastewater

Goal – 9 ‘Industry, Innovation and Infrastructure’: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

This Goal is to promote inclusive and sustainable industrialization by 2030. The Goal mandates to significantly increase industries share of employment and gross domestic product in line with national circumstances and double its share in least developed countries. Towards this, the target is measured with an important indicator relating to measurement of ambient air quality parameters. The TNPCB is continuously making efforts to achieve this indicator effectively.

Goal – 12 ‘Sustainable Consumption and Production’: Ensure sustainable consumption and production patterns

Under this Goal, it is mandated to achieve significant reduction in the release of harmful chemicals and wastes by 2020. The target is measured by an indicator relating to environmental quality monitoring through monitoring stations. At present, TNPCB monitors water quality of inland water bodies at 177 stations and ambient air quality at 87 stations.

Goal – 13 ‘Climate Action’: Take urgent action to combat climate change and its impacts

The Goal is to improve education, raise awareness among humans and build institutional capacity on climate change mitigation, adaptation, impact reduction and early warning. The TNPCB conducts training programme through its Environmental Training Institute (ETI) and awareness programme through the District Environmental Engineers on a regular basis. 51 training programmes, 886 awareness programmes and 412 people have been trained during the period 2023-24.

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

The data for the indicators that are relevant to TNPCB is presented in the table below

Sub category	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Goal 6: Clean Water and Sanitation									
Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and substantially increasing recycling and safe use globally									
Indicator 6.3.2: Percentage of industries (17 category of highly polluting industries / grossly polluting industry / red category of industries) complying with waste water treatment									
---	96%	96.5%	97%	97.97%	98.5%	98.6%	99%	99.22%	99.7
Goal 9: Industry, Innovation and Infrastructure									
Target 9.4: By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.									
Indicator 9.4.1a: Number of air quality monitoring stations									
---	36 (28 under NAMP + 7 CAAQMS + 1 Mobile CAAQMS)	36 (28 under NAMP + 7 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)
NAMP – National Air Quality Monitoring Programme									
CAAQMS – Continuous Ambient Air Quality Monitoring Station									
Goal 12: Responsible consumption and production									
Target 12.4: By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment									
Indicator 12.4.2a: Quality monitoring by introduction of monitoring stations across the State									

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

No. of ambient air quality monitoring stations functioning	36 (28 under NAMP + 7 CAAQMS + 1 Mobile CAAQMS)	36 (28 under NAMP + 7 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	38 (28 under NAMP + 9 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)	87 (52 under NAMP + 34 CAAQMS + 1 Mobile CAAQMS)
No. of water quality monitoring stations functioning	94 (55 under GEMS & MINARS + 30 under CCWMP + 9 CWQMS)	94 (55 under GEMS & MINARS + 30 under CCWMP + 9 CWQMS)	97 (55 under GEMS & MINARS + 30 under CCWMP + 12 CWQMS)	97 (55 under GEMS & MINARS + 30 under CCWMP + 12 CWQMS)	99 (55 under GEMS & MINARS + 30 under CCWMP + 14 CWQMS)	89 (58 under GEMS & MINARS + 30 under CCWMP + 1 CWQMS)	194 (113 under NWMP + 64 under NRCP + 17 under CCWM)	175 (158 under NWMP + 17 under CCWM)	177 (158 under NWMP + 19 under CCWM)
No. of ambient noise monitoring stations functioning	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)	10 (under NANMNP)
Number of Rivers Monitored under national Water Quality Monitoring Programme	4	4	4	4	8	8	8	12	12
No. of non attainment cities identified	0	0	0	1	2	2	4***	4***	4***
No. of CETPs functioning	35	35	35	35	36	36	33	36	34

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

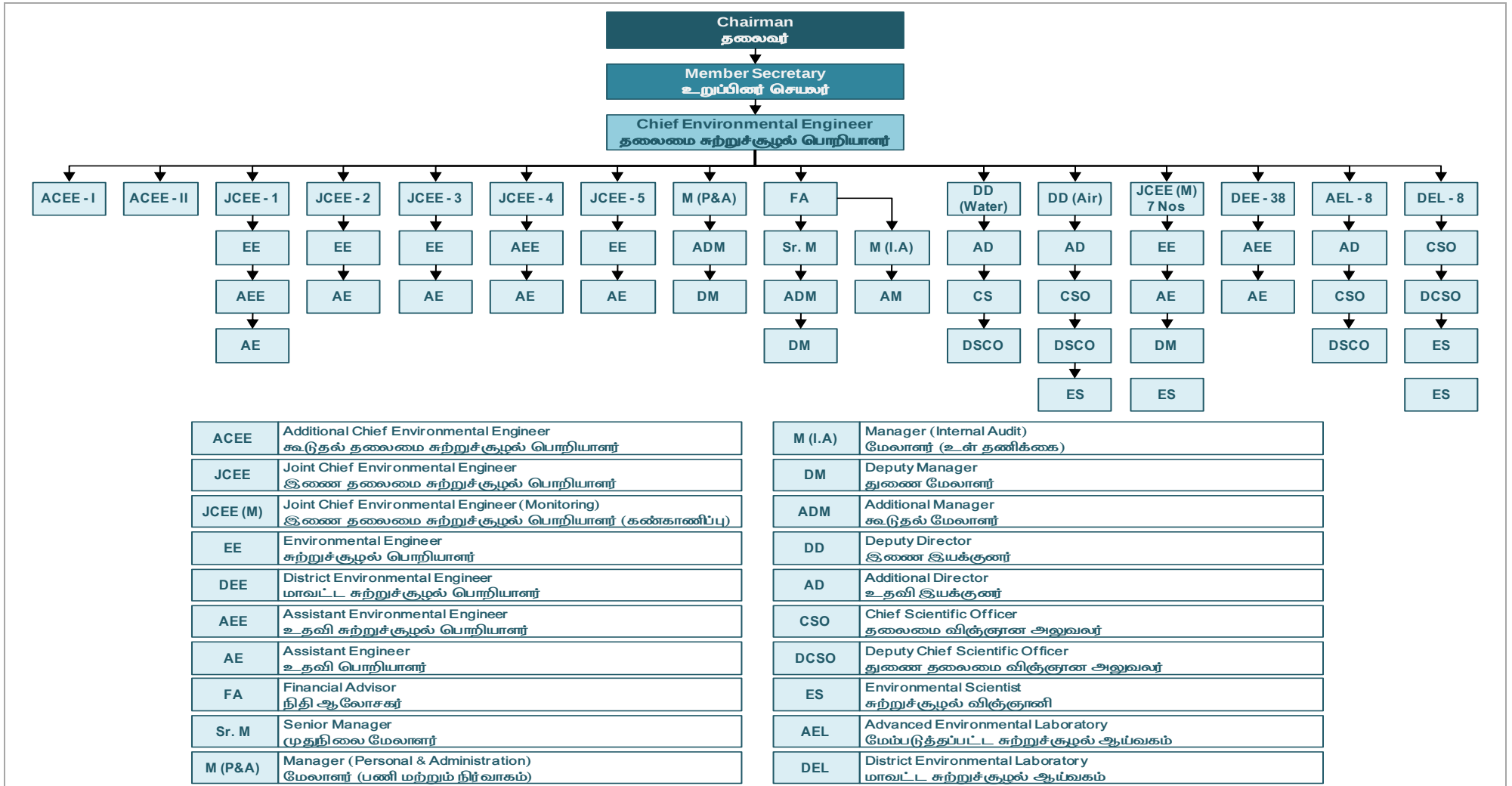
No. of CETPs adopting ZLD systems	31	31	31	31	32	32	30	33	30
NAMP – National Air Quality Monitoring Programme; CAAQMS – Continuous Ambient Air Quality Monitoring Station GEMS – Global Environmental Monitoring System; MINARS – Monitoring of Indian National Aquatic Resources CCWMP – Chennai City Waterways Monitoring Programme; CWQMS – Coastal Water Quality Monitoring Stations NANMNP – National Ambient Noise Monitoring Network Programme									
Indicator 12.5.4 Per Capita Hazardous Wastes Generated									
---	8.95	5.31	7.99	12.88	13.37	10.96	11.38	15.8	18.2
Indicator 12.5.5									
Ratio of processed quantity of hazardous waste sent to recycle to hazardous waste generated									
---	0.4	0.32	0.63	0.74	0.89	0.88	0.86	0.86	0.898
Goal 13: Climate Action									
Target 13.3: Improve education, awareness raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning									
Indicator 13.3.2: Strengthening of institutional, systemic and individual capacity building to implement adaption, mitigation and technology transfer and development actions in the State									
Environ-mental training (Nos.)	28	18	36	39	60	23	10	11	51
No. of beneficiaries	1746	522	388	761	1689	327	863	1192	412
Public awareness programme during festival seasons (Nos.)	100	109	111	172	190	193	196	732	886

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ANNEXURES

ANNEXURES

ANNEXURE - I: ORGANIZATION CHART



ANNEXURES

ANNEXURE – II: OFFICES OF TNPCB

Annexure - II: Office of TNPCB



Tier I	Tier II	Tier III	
Head Office	Zonal Offices	District Environmental Engineer	Hot spot areas
Senior officers heading various sections, technical / laboratory / finance / personnel & admin etc, report to the Chairman through the Member Secretary	O/o. JCEE (M), Chennai	1. Ambattur	O/o.AEE, Manali
		2. Chennai	Flying Squad ★
		3. Gummidipoondi	
		4. Tiruvallur	
	O/o. JCEE (M), Chengalpattu	5. Maraimalai Nagar	
		6. Sriperumbudur	
	O/o. JCEE (M), Vellore	7. Dharmapuri	
		8. Hosur	
		9. Thiruvannamalai	
		10. Vellore	O/o.AEE, Ranipet Flying Squad ★
		11. Villupuram	
		12. Vaniyambadi	
	O/o. JCEE (M), Salem	13. Erode	Flying Squad ★
		14. Karur	
		15. Kumarapalayam	
		16. Namakkal	
		17. Perundurai	
		18. Salem	O/o.AEE,Mettur Flying Squad ★
	O/o. JCEE (M), Coimbatore	19. Coimbatore (North)	
		20. Coimbatore (South)	
		21. Ooty	
		22. Tiruppur (North)	Flying Squad ★
		23. Tiruppur (South)	
	O/o. JCEE (M), Trichy	24. Ariyalur	
		25. Pudukottai	
		26. Thanjavur	
		27. Trichy	
	O/o. JCEE (M), Madurai	28. Dindigul	
		29. Madurai	
		30. Ramanathapuram	
		31. Sivagangai	
		32. Theni	
	O/o. JCEE (M), Tirunelveli	33. Nagercoil	
		34. Tirunelveli	
		35. Thoothukudi	
		36. Virudhunagar	
	O/o. JCEE (M), Cuddalore	37. Cuddalore	
		38. Nagapattinam,	

ANNEXURES

ANNEXURE - III A: TNPCB LABORATORIES – PERFORMANCE EVALUATION FOR THE MONTH OF APRIL 2023 - MARCH 2024

WATER SAMPLES

Sl. No.	Name of the Laboratory	Water / Effluent Samples																
		Effluent	Sewage	GEMS	MINARS	CCWW	Well water	River water	CEPI	NWMP Project	NRCP Project	Pesticide	NGT	Coastal	Microbiology Sample from DEE	Sludge	Others	Total
1	AEL – Chennai	1617	818	144	28	207	29	1	0	0	105	90	1	22	584	34	149	3829
2	AEL – Coimbatore	1627	1214	20	10	0	97	12	0	0	0	0	0	0	0	3	81	3064
3	AEL – Cuddalore	1014	638	40	16	0	164	6	0	0	0	0	0	129	0	0	73	2080
4	AEL – Madurai	1145	610	59	34	0	386	4	0	0	24	0	0	32	1	8	311	2614
5	AEL – Salem	1213	600	348	63	0	576	505	0	0	161	0	0	74	0	18	435	3993
6	AEL – Tirunelveli	839	494	0	198	0	80	0	0	0	0	0	0	120	0	3	137	1871
7	AEL – Trichy	1155	894	114	59	0	118	0	0	0	0	0	0	48	0	0	142	2530
8	AEL – Vellore	1322	556	0	0	0	415	238	0	0	0	0	0	0	0	0	0	2531
9	DEL – Ambattur	2145	822	18	37	0	0	0	0	0	0	0	0	0	41	0	0	3063
10	DEL – Dindigul	1647	420	8	22	0	195	13	0	0	6	0	0	0	0	0	0	2311
11	DEL – Hosur	922	650	0	0	0	13	99	0	0	0	0	0	0	0	0	14	1698
12	DEL – Manali	1129	492	0	0	0	22	296	0	0	0	0	0	27	0	0	8	1974
13	DEL – M.M.Nagar	526	339	0	0	0	47	39	0	0	0	0	0	46	0	0	0	997
14	DEL – Perundurai	1761	68	31	0	0	208	123	0	0	24	0	0	8	0	0	7	2230
15	DEL – Thoothukudi	408	216	36	33	0	527	0	0	0	0	0	0	24	0	0	28	1272
16	DEL – Tiruppur	1479	171	0	0	0	12	276	0	0	0	0	0	0	0	30	7	1975
Total		19949	9002	818	500	207	2889	1612	0	0	320	90	1	530	626	96	1392	38032

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ANNEXURE - III B: TNPCB LABORATORIES – PERFORMANCE EVALUATION FOR THE MONTH OF APRIL 2023 - MARCH 2024

AIR SURVEY / NOISE SURVEY

Sl. No.	Name of the Laboratory	Air Survey											Noise Survey Samples			
		No.of Industries		No.of AAQ Stations		No.of SM		NAMP					No.of Industries		No.of Points	
		Regular	Complaint	Regular	Complaint	Regular	Complaint	PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Regular	Complaint	Regular	Complaint
1	AEL- Chennai	151	0	1108	0	705	0	1304	448	2605	2605	0	151	0	797	0
2	AEL- Coimbatore	127	2	644	19	380	1	855	212	1997	1867	0	127	4	645	32
3	AEL- Cuddalore	124	2	718	8	435	2	2505	648	2776	2776	2058	122	4	684	24
4	AEL -Madurai	70	8	424	36	239	4	1776	561	3288	3288	0	70	11	471	79
5	AEL -Salem	72	6	576	19	266	5	1725	716	3168	3168	0	69	55	612	109
6	AEL- Tirunelveli	34	3	256	14	93	1	967	234	2588	2588	404	44	6	198	45
7	AEL -Trichy	125	4	836	42	316	2	2436	798	3111	3111	0	126	3	617	15
8	AEL -Vellore	130	0	703	0	403	0	900	300	1800	1800	0	124	1	721	0
9	DEL -Ambattur	106	9	520	50	524	7	898	266	1596	1596	1596	103	7	535	46
10	DEL -Dindigul	72	3	544	23	237	4	784	310	1716	1716	0	74	3	415	15
11	DEL -Hosur	141	3	976	26	417	0	0	0	0	0	0	141	0	705	5
12	DEL -Manali	79	5	473	4	269	0	0	0	0	0	0	79	4	417	9
13	DEL -M.M.Nagar	120	3	566	7	457	0	0	0	0	0	0	116	1	603	0
14	DEL -Perundurai	88	9	480	30	260	18	0	0	0	0	0	83	9	433	37
15	DEL -Thoothukudi	78	2	443	11	130	0	775	241	1551	1551	1550	78	4	396	21
16	DEL -Tiruppur	81	2	400	9	151	0	0	266	0	0	0	81	3	415	13
	Total	1598	61	9667	298	5282	44	14925	5000	26196	26066	5608	1587	115	8664	450

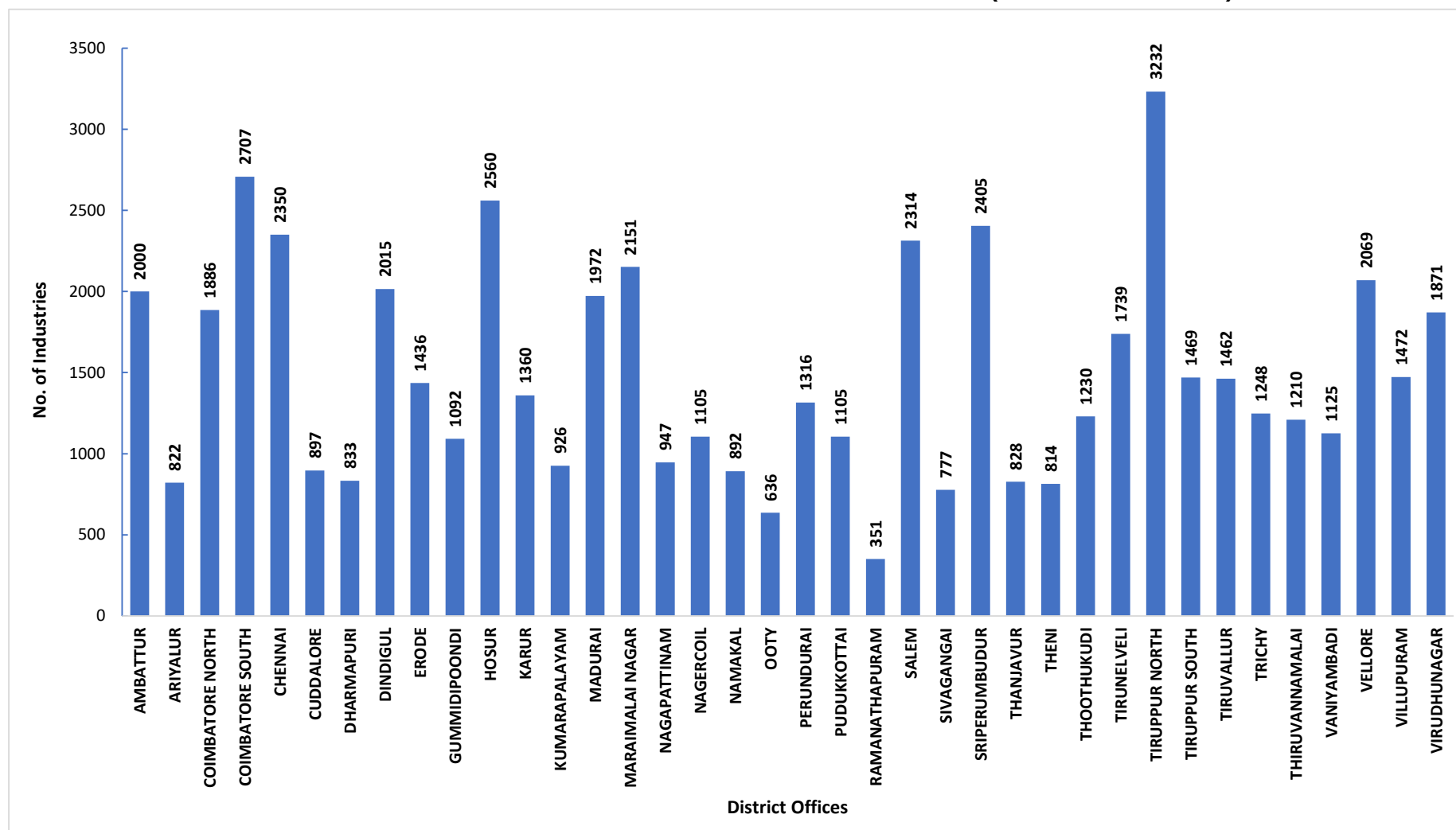
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ANNEXURE – IV: STAFF STRENGTH OF TAMIL NADU POLLUTION CONTROL BOARD (YEAR WISE)

Year	Number of Industries	Staff Strength		Year	Number of Industries	Staff Strength
1981-82	5	17		2003-04	15637	726
1982-83	53	27		2004-05	17288	720
1983-84	93	55		2005-06	20598	709
1984-85	239	90		2006-07	23346	741
1985-86	474	148		2007-08	25919	741
1986-87	633	233		2008-09	28166	741
1987-88	861	246		2009-10	30848	729
1988-89	1154	426		2010-11	33390	729
1989-90	1512	499		2011-12	36162	715
1990-91	2267	611		2012-13	38775	737
1991-92	3033	680		2013-14	42694	774
1992-93	3737	659		2014-15	46233	748
1993-94	4239	638		2015-16	48901	714
1994-95	4880	630		2016-17	45707	673
1995-96	5605	631		2017-18	46256	607
1996-97	6707	636		2018-19	46805	562
1997-98	7681	696		2019-20	47353	505
1998-99	9016	708		2020-21	49524	569
1999-00	10034	727		2021-22	51666	549
2000-01	11281	745		2022-23	53837	644
2001-02	12766	739		2023-24	55624	626
2002-03	14220	732				

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ANNEXURE – V: NUMBER OF INDUSTRIES UNDER THE PURVIEW OF TNPCB (DISTRICT OFFICE WISE)



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ANNEXURE – VI A: STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2023-2024

S.No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$											
			SO ₂			NO ₂			PM ₁₀			PM _{2.5}		
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	CHENNAI													
(a)	Kathivakkam	Industrial	16	11	13	19	14	16	63	46	55	36	26	30
(b)	Manali	Industrial	17	12	14	22	16	18	69	48	57	68	27	32
(c)	Thiruvottiyur	Industrial	15	11	13	19	13	16	68	46	54	36	25	30
(d)	Anna Nagar	Residential	12	8	11	23	19	21	61	50	56	24	19	22
(e)	Adyar	Residential	11	8	9	21	17	19	55	45	50	22	17	20
(f)	Kilpauk	Commercial (Traffic-intersection)	12	8	10	23	18	20	60	50	55	23	18	21
(g)	Thiyagarayanagar	Commercial (Traffic-intersection)	14	10	12	25	20	23	62	55	61	26	21	24
(h)	Nungambakkam	Commercial (Traffic-intersection)	13	10	12	24	20	22	62	53	59	26	20	23
	Annual Average Standard		50 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$			60 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$		

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ANNEXURE – VI A: STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2023-2024 (CONT.)

S.No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$											
			SO ₂			NO ₂			PM ₁₀			PM _{2.5}		
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
2	THOOTHUKUDI													
(a)	NTPL Quarters	Residential	14	8	11	19	12	15	72	40	55	22	11	16
(b)	SIPCOT	Industrial	16	10	13	22	16	19	85	50	67	29	12	20
(c)	AVM Jewelers	Commercial	14	9	11	19	14	17	88	47	68	24	11	17
3	COIMBATORE													
(a)	District Collector's Office	Commercial	9	5	7	18	14	16	63	43	53	36	19	27
(b)	Kavundampalayam	Residential	7	5	6	17	14	16	60	44	53	34	18	26
(c)	SIDCO Building	Industrial	10	7	8	20	16	18	64	51	58	40	24	33
4	SALEM													
(a)	Siva Tower	Commercial	9	7	8	23	19	21	54	45	50	23	17	20
5	MADURAI													
(a)	Pitchai Pillai Chavadi	Industrial	27	23	25	33	28	31	82	74	78	43	34	39
(b)	Birla Guest House	Commercial	25	19	22	32	24	28	73	62	67	36	26	31
(c)	Hotel Tamil Nadu	Residential	19	15	17	25	20	23	63	53	54	25	18	22
	Annual Average Standard		50 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$			60 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$		

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ANNEXURE – VI A (Cont.)

ANNEXURE – VI A: STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2023-2024 (CONT.)

S.No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$											
			SO ₂			NO ₂			PM ₁₀			PM _{2.5}		
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
6	TRICHY													
(a)	Gandhi Park, Thennur	Residential	14	10	12	18	13	16	52	31	42	21	12	17
(b)	Main Guard Gate	Traffic-intersection	17	12	15	20	16	18	74	56	65	34	23	29
(c)	Bishop Heber College	Sensitive	13	9	11	17	13	15	47	29	38	21	10	15
(d)	Golden Rock	Residential	13	9	11	17	13	15	50	32	41	21	12	16
(e)	Trichy Corporation Annex Building	Traffic-intersection	14	9	12	18	13	15	49	33	41	21	12	17
7	CUDDALORE													
(a)	Eachangadu Village	Residential	14	10	12	18	14	16	54	36	46	24	14	19
(b)	Imperial Road	Commercial	21	18	20	24	21	22	52	46	49	22	18	19
(c)	SIPCOT	Industrial	20	18	19	22	20	21	49	46	48	20	17	18
8	METTUR													
(a)	Raman Nagar	Residential	8	7	7	21	17	19	41	30	34	20	15	17
(b)	SIDCO	Industrial	10	8	9	25	21	23	56	49	50	24	19	22
	Annual Average Standard		50 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$			60 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$		

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ANNEXURE – VI B: STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2023-2024

Sl.No	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$											
			SO ₂			NO ₂			PM ₁₀			PM _{2.5}		
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	TIRUVANNAMALAI													
a)	O/o. DEE, TNPCB	Commercial	10	7	9	15	11	13	57	30	45	25	12	18
b)	O/o Municipal Commissioner	Commercial	10	7	8	15	11	13	59	33	46	29	15	21
c)	O/o. Joint Director, Animal Husbandry Dept.	Residential	10	7	9	15	11	13	52	28	39	21	10	15
2	SIVAGANGAI													
a)	O/o DEE, TNPCB	Commercial	18	12	16	24	18	21	44	36	40	26	19	22
b)	SIDCO Industrial Estate	Industrial	20	17	18	25	21	23	60	52	56	32	23	28
c)	Muthu Mahal Campus, Bose Road	Commercial	25	19	22	31	25	28	73	62	68	38	30	34
3	THENI													
a)	Raghavan Colony	Residential	11	9	10	16	13	15	48	38	43	22	17	19
b)	SAR – Complex, Boobathipuram Road	Commercial	14	12	13	19	17	18	65	53	59	29	22	25
c)	SIDCO Complex, Aandipatti	Industrial	13	11	12	17	15	16	56	47	52	24	19	22
4	THIRUVARUR													
a)	Thiru.V.KaGovt.Arts College, NPM Road	Residential	15	11	13	17	13	15	44	37	40	17	11	14
b)	Govt. Medical College	Industrial	17	12	14	20	15	17	44	39	42	19	13	16
c)	New Bharath Matriculation HSS	Commercial	19	14	16	21	17	19	46	41	44	19	14	16
Annual Average Standard			50 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$			60 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$		

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ANNEXURE – VI B: STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2023-2024 (CONT.)

Sl. No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$											
			SO ₂			NO ₂			PM ₁₀			PM _{2.5}		
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
5	VILLUPURAM													
a)	O/o. DEE, Master Plan Complex, TNPCB	Commercial	14	13	14	18	17	17	43	37	41	20	15	17
b)	Govt. Medical College & Hospital	Industrial	16	15	15	18	18	18	49	40	45	25	21	23
c)	University College of Engineering	Residential	14	14	14	18	17	17	46	42	44	22	16	20
6	PERAMBALUR													
a)	Govt. Head Quarters Hospital	Sensitive	11	8	9	15	12	13	42	23	32	18	8	12
b)	Aavin Parlour Building	Commercial	14	9	12	17	13	15	50	33	52	21	12	17
c)	M.M. Nagar, Perambalur	Residential	11	8	10	15	12	13	40	25	33	16	9	13
7	DHARMAPURI													
a)	House Near Collector Office	Residential	9	7	8	24	18	21	43	30	35	24	18	21
b)	SIDCO Industrial	Industrial	10	8	9	27	22	24	51	46	49	25	19	22
c)	D.N.G. Gopal, Siddha Veerappa Chetty Street	Commercial	8	7	8	22	19	20	48	41	45	23	18	21
8	NAGERCOIL													
a)	Anna University Campus	Industrial	17	11	14	21	16	19	67	47	56	32	18	24
b)	Scott Christian College	Residential	13	8	11	19	14	16	68	41	52	22	14	18
c)	Aavin Parlour Building	Commercial	15	11	12	21	16	19	68	44	55	32	16	23
Annual Average Standard			50 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$			60 $\mu\text{g}/\text{m}^3$			40 $\mu\text{g}/\text{m}^3$		

ANNEXURES

Annexure – VII: MOBILE VAN SURVEY DETAILS FROM APRIL 2023 TO MARCH 2024

S.No.	Survey From	Survey To	Survey Location	Purpose of the Survey
1	3-Apr-2023	13-Apr-2023	Venture Lighting India Ltd, MEPZ, Tambaram	Complaint survey
2	17-Apr-2023	21-Apr-2023	TAOKA Chemical India Pvt Ltd, MEPZ, Tambaram	Complaint survey
3	4-May-2023	5-May-2023	Government Higher Secondary School, New Gummidipoondi	Complaint survey
4	8-May-2023	9-May-2023	Reddiyar street, New Gummidipoondi	Complaint survey
5	11-May-2023	12-May-2023	Autolock nagar, New Gummidipoondi	Complaint survey
6	15-May-2023	16-May-2023	Balayogi nagar, New Gummidipoondi	Complaint survey
7	24-May-2023	13-Jun-2023	DEE office, TNPCB, Gummidipoondi	Complaint survey
8	13-Jun-2023	16-Jun-2023	SRF Ltd, Anthoni Pillai Nagar, Gummidipoondi	Complaint survey
9	16-Jun-2023	17-Jun-2023	Government Higher Secondary School, New Gummidipoondi	Complaint survey
10	26-Jun-2023	27-Jun-2023	Devangar street, New Gummidipoondi	Complaint survey
11	3-Jul-2023	4-Jul-2023	Balayogi nagar, New Gummidipoondi	Complaint survey
12	10-Jul-2023	17-Jul-2023	DEE office, TNPCB, Gummidipoondi	Public complaint
13	24-Jul-2023	25-Jul-2023	Pillaipakkam village (Near CMR Toyotsu Aluminium India Ltd), Sriperumbudur	Complaint survey
14	27-Jul-2023	27-Jul-2023	CMR Toyotsu Aluminium India Ltd (Backside), Sriperumbudur	Complaint survey
15	7-Sep-2023	8-Sep-2023	Mudhanai village, Neyveli	Complaint survey
16	8-Sep-2023	9-Sep-2023	Uttangal Mangalam village, Neyveli	Complaint survey

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Annexure – VII: MOBILE VAN SURVEY DETAILS FROM APRIL 2023 TO MARCH 2024 (CONT.)

S.No.	Survey From	Survey To	Survey Location	Purpose of the Survey
17	9-Sep-2023	10-Sep-2023	Block 6 (Near CAAQMS), Neyveli	Complaint survey
18	11-Sep-2023	12-Sep-2023	Block 8 (Near Fuse off call), Neyveli	Complaint survey
19	12-Sep-2023	13-Sep-2023	Gangai Kondan, Neyveli	Complaint survey
20	13-Sep-2023	14-Sep-2023	Ragavendra nagar, Neyveli	Complaint survey
21	14-Sep-2023	15-Sep-2023	KannuThoppu, Maharaja Garden, Neyveli	Complaint survey
22	15-Sep-2023	16-Sep-2023	MRK Salai, Indhira nagar, Neyveli	Complaint survey
23	19-Sep-2023	20-Sep-2023	Mettukuppam village, Neyveli	Complaint survey
24	20-Sep-2023	21-Sep-2023	Parvathipuram (Behind vallalarsabai), Neyveli	Complaint survey
25	21-Sep-2023	22-Sep-2023	Jayapriya Vidyalaya Matriculation Higher Secondary School, Gopalapuram, Neyveli	Complaint survey
26	22-Sep-2023	23-Sep-2023	Kammapuram village, Neyveli	Complaint survey
27	25-Sep-2023	26-Sep-2023	Valayamadevi village, Neyveli	Complaint survey
28	26-Sep-2023	27-Sep-2023	Panchankuppam village, Parangipettai	Complaint survey
29	28-Sep-2023	29-Sep-2023	Velingarayanpettai village, Parangipettai	Complaint survey
30	29-Sep-2023	30-Sep-2023	Karikuppam village, Parangipettai	Complaint survey
31	18-Oct-2023	19-Oct-2023	Hatsun Agro Product Ltd, Near white gate, Kancheepuram	Complaint survey
32	27-Oct-2023	28-Oct-2023	Periyapuliur (Near Pasupati Metalics), Gummidipoondi	Complaint survey

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Annexure – VII: MOBILE VAN SURVEY DETAILS FROM APRIL 2023 TO MARCH 2024 (CONT.)

S.No.	Survey From	Survey To	Survey Location	Purpose of the Survey
33	4-Nov-2023	10-Nov-2023	Corporation office, Nungambakkam	Chennai DEE office Pre Diwali survey
34	10-Nov-2023	20-Nov-2023	Corporation office, Sowcarpet	Chennai DEE Office Diwali survey
35	22-Nov-2023	24-Nov-2023	Alathur village (Near Orchid Pharma Ltd), Thiruporur	Complaint survey
36	24-Nov-2023	25-Nov-2023	Alathur Pharmaceutical Industrial Estate (Near Anjan Drug Pvt Ltd), Thiruporur	Complaint survey
37	27-Nov-2023	28-Nov-2023	Alathur Pharmaceutical Industrial Estate (Near PAR Active Technologies Pvt Ltd), Thiruporur	Complaint survey
38	29-Nov-2023	30-Nov-2023	Alathur Pharmaceutical Industrial Estate (Near Alchymars ICM SM Pvt Ltd), Thiruporur	Complaint survey
39	11-Dec-2023	14-Dec-2023	Don Bosco (Near Ennore creek flyover), Ennore	Ennore creek bridge oil spill monitoring
40	15-Dec-2023	18-Dec-2023	Anna nagar, Ennore	Ennore creek bridge oil spill monitoring
41	19-Dec-2023	22-Dec-2023	Nettukuppam, Ennore	Ennore creek bridge oil spill monitoring
42	22-Dec-2023	28-Dec-2023	Sathyamoorthynagar, Ennore	Ennore creek bridge oil spill monitoring
43	28-Dec-2023	29-Dec-2023	Jothi Nagar, Ennore	Ennore creek bridge oil spill monitoring
44	1-Jan-2024	5-Jan-2024	Jothi nagar, Ennore	Ennore creek bridge oil spill monitoring
45	6-Jan-2024	7-Jan-2024	Trade centre, Nandambakkam	Public complaint
46	9-Jan-2024	14-Jan-2024	Times of India, Shollinganallur	Bhogi survey
47	19-Jan-2024	20-Jan-2024	Bajaj Superpack India Ltd, Lachivakkam, Uthukottai	Public complaint

ANNEXURES

Annexure – VII: MOBILE VAN SURVEY DETAILS FROM APRIL 2023 TO MARCH 2024 (CONT.)

S.No.	Survey From	Survey To	Survey Location	Purpose of the Survey
48	22-Jan-2024	23-Jan-2024	Kakkalur Industrial Estate, Thiruvallur	Public complaint
49	1-Feb-2024	2-Feb-2024	ONGC, Narimanam, Nagapattinam	Public complaint
50	2-Feb-2024	3-Feb-2024	ONGC, Kamalapuram, Nagapattinam	Public complaint
51	3-Feb-2024	4-Feb-2024	ONGC, Adiyakkamangalam, Nagapattinam	Public complaint
52	5-Feb-2024	6-Feb-2024	ONGC, Kuthalam, Mayiladuthurai	Public complaint
53	12-Feb-2024	13-Feb-2024	Siddi Raja Kandigai, Gummidipoondi	Public complaint
54	14-Feb-2024	15-Feb-2024	B.R Kandigai, Gummidipoondi	Public complaint
55	15-Feb-2024	16-Feb-2024	Nagaraja Kandigai, Gummidipoondi	Public complaint
56	20-Feb-2024	21-Feb-2024	Sirupuzhalpettai, Gummidipoondi	Public complaint
57	21-Feb-2024	22-Feb-2024	ECL Canteen, Elavur, Gummidipoondi	Public complaint
58	26-Feb-2024	27-Feb-2024	Chinna Obulapuram (Near Centruy Plyboard), Gummidipoondi	Public complaint
59	27-Feb-2024	28-Feb-2024	Govt High School, New Gummidipoondi	Public complaint
60	29-Feb-2024	1-Mar-2024	Radhi Rubber, RamancheriKandigai, Gummidipoondi	Public complaint
61	4-Mar-2024	5-Mar-2024	Karambedu village, Gummidipoondi	Public complaint
62	5-Mar-2024	6-Mar-2024	Periyapuliyur (Near Pasupati Metalics), Gummidipoondi	Public complaint
63	11-Mar-2024	12-Mar-2024	Peria Obulapuram, Gummidipoondi	Public complaint
64	12-Mar-2024	13-Mar-2024	Pappankuppam, Gummidipoondi	Public complaint

ANNEXURES

Annexure – VII: MOBILE VAN SURVEY DETAILS FROM APRIL 2023 TO MARCH 2024 (CONT.)

S.No.	Survey From	Survey To	Survey Location	Purpose of the Survey
65	18-Mar-2024	19-Mar-2024	Old Gummidipoondi (Near Panchayat office)	Public complaint
66	20-Mar-2024	21-Mar-2024	Vanagaram (Near Dr K.Gopal IAS., Residence)	Dr K.Gopal, IAS., Complaint
67	21-Mar-2024	22-Mar-2024	RDC Plant ,Vanagaram, Chennai	Public complaint
68	25-Mar-2024	31-Mar-2024	VST Tata Motors, Poonamalle	Halt for van FC work

ANNEXURES

ANNEXURE - VIII A: AMBIENT AIR QUALITY OF TAMIL NADU DURING DEEPAVALI FESTIVAL 2023															
Sl. No.	Locations	Ambient Air Quality (24 hrs average) µg/m3													
		Pre Deepavali Days 05.11.2023 to 11.11.2023				Deepavali Day - 12.11.2023					Post Deepavali Days 13.11.2023 to 19.11.2023				
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	AQI		PM ₁₀	PM _{2.5}	SO ₂	NO ₂
I	Chennai City														
1	Basant Nagar (R)	54	20	9	18	222	92	15	28	207	P	53	23	9	20
2	T.Nagar (C)	77	30	15	25	211	128	19	27	306	VP	71	31	14	25
3	Nungambakkam (R)	52	20	12	23	260	203	24	38	364	VP	62	26	11	21
4	Triplicane(R)	58	29	14	23	160	106	22	33	253	P	57	23	11	21
5	Sowcarpet (M)	68	25	14	23	191	167	18	26	336	VP	56	22	10	19
6	Valasaravakkam (R)	79	28	15	23	379	204	17	27	365	VP	76	28	13	25
7	Tiruvottiyur (C)	61	24	11	21	145	98	18	31	227	P	50	21	10	19
	Major Towns														
II	Chengalpet														
8	Maraimalainagar (R)	41	38	10	11	153	112	18	49	273	P	45	26	12	15
9	New Perungalathur (R)	48	18	12	11	194	118	17	51	293	P	42	21	11	14
III	Coimbatore														
10	Kavundampalayam R)	54	29	8	18	155	86	21	39	187	M	60	27	7	15
11	District Collectorate (C)	53	27	8	19	196	89	18	31	197	M	67	31	7	16
IV	Cuddalore														
12	Imperial Road (C)	83	20	20	30	284	83	31	49	234	P	98	34	19	27
13	Velva Nagar (R)	28	10	11	17	199	53	26	31	166	M	50	17	14	19

ANNEXURES

ANNEXURE - VIII A: AMBIENT AIR QUALITY OF TAMIL NADU DURING DEEPAVALI FESTIVAL 2023 (CONT.)															
Sl. No.	Locations	Ambient Air Quality (24 hrs average) µg/m3													
		Pre Deepavali Days 05.11.2023 to 11.11.2023				Deepavali Day - 12.11.2023					Post Deepavali Days 13.11.2023 to 19.11.2023				
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	AQI		PM ₁₀	PM _{2.5}	SO ₂	NO ₂
V	Dindigul														
14	Nagal Pudur (R)	32	13	9	14	64	27	19	26	64	S	37	14	11	16
15	Rajagopal Iyyangar& Sons (C)	50	21	13	17	98	42	24	31	98	S	58	25	14	20
VI	Hosur														
16	Municipal Corporation Office	52	18	16	21	124	31	17	27	116	M	58	24	16	21
17	Kamaraj Nagar High School	44	17	16	22	154	48	19	31	136	M	70	25	17	22
VII	Madurai														
18	Thirunagar (R)	59	16	21	33	247	51	72	90	247	P	92	12	20	34
19	Birla Vishram (M)	48	11	17	25	153	29	45	74	153	M	68	39	17	30
VIII	Salem														
20	Sri Saradha Balamandhir Boys Matric Hr.Sec. School (R)	45	18	7	13	169	50	25	51	169	M	57	19	10	17
21	Siva Tower (C&I)	49	20	10	22	148	40	23	47	148	M	54	23	12	24
IX	Tirunelveli														
22	Tirunelveli Town (R)	54	25	12	18	100	36	18	22	100	S	62	27	13	19
23	Pettai (S)	67	28	13	19	110	39	19	24	110	M	69	29	14	20
X	Tirunelveli - Nagercoil														
24	Water Tank Road (M)	63	27	13	18	108	38	18	23	107	M	66	27	14	20
25	Scott Christian College (R)	54	22	12	18	93	33	17	21	93	S	58	25	12	18

ANNEXURES

ANNEXURE - VIII A: AMBIENT AIR QUALITY OF TAMIL NADU DURING DEEPAVALI FESTIVAL 2023 (CONT.)															
Sl. No.	Locations	Ambient Air Quality (24 hrs average) µg/m ³													
		Pre Deepavali Days 05.11.2023 to 11.11.2023				Deepavali Day - 12.11.2023					Post Deepavali Days 13.11.2023 to 19.11.2023				
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	AQI		PM ₁₀	PM _{2.5}	SO ₂	NO ₂
XI	Trichy														
26	Ramalinga Nagar (R)	43	15	12	15	103	52	19	25	102	M	49	17	13	17
27	Gandhi Park (C)	44	16	14	17	125	62	21	25	117	M	48	17	14	18
XII	Trichy - Thanjavur														
28	Arokkiya Nagar (R)	39	14	12	15	98	46	183	21	98	S	41	13	13	17
29	Teachers colony (M)	42	16	13	16	104	49	20	24	103	M	40	13	13	16
XIII	Tiruppur														
30	Kumaran Complex (C)	68	31	8	7	86	45	10	5	86	S	70	32	12	9
31	Rayapuram (R)	69	24	7	6	161	42	15	9	141	M	108	31	12	6
XIV	Thoothukudi														
32	Rajiv Nagar (R)	43	31	8	7	86	45	10	5	185	M	70	32	12	9
33	Celseeni Colony (R)	55	18	10	14	216	82	20	24	177	M	57	15	12	15
XV	Vellore														
34	Gandhi Nagar (R)	44	18	8	12	169	65	11	52	146	M	52	30	8	14
35	Sidco Industrial Estate(I)	47	18	10	14	130	27	11	51	120	M	51	23	9	13
	NAAQ Standards	100	60	80	80	100	60	80	80	-	-	100	60	80	80

ANNEXURES

ANNEXURE - VIII B: AMBIENT AIR QUALITY IN GREATER CHENNAI CORPORATION DURING PRE-BHOGI & BHOGI 2024

Zone No.	Name of the Zone	Station Location	Pollutants Concentration in $\mu\text{g}/\text{m}^3$									
			(24 hrs average) 8.00 am to 8.00 pm									
			SO ₂		NO ₂		PM ₁₀		PM _{2.5}		Pre-Bhogi	Bhogi
			Pre-Bhogi	Bhogi	Pre-Bhogi	Bhogi	Pre-Bhogi	Bhogi	Pre- Bhogi	Bhogi		
			10.01.2024 to 11.01.2024	13.01.2024 to 14.01.2024	10.01.2024 to 11.01.2024	13.01.2024 to 14.01.2024	10.01.2024 to 11.01.2024	13.01.2024 to 14.01.2024	10.01.2024 to 11.01.2024	13.01.2024 to 14.01.2024	AQI Value	AQI Value
I	Thiruvotriyur	Kathivakkam	12	14	13	16	49	232	26	98	49	227
II	Manali	Manali	13	15	14	17	53	198	28	71	53	165
III	Madhavaram	Thillai Nagar	13	15	16	19	50	211	26	77	50	174
IV	Tondiarpet	Tondiarpet	12	15	14	21	54	177	24	52	54	151
V	Royapuram	Royapuram	13	17	15	22	70	179	42	74	70	153
VI	Thiru.Vi.Ka. Nagar	Thiru.Vi.Ka. Nagar	14	15	15	19	49	164	24	75	49	150
VII	Ambattur	Ambattur	13	16	15	20	54	241	27	84	54	194
VIII	Anna Nagar	Anna Nagar	12	16	16	21	52	147	30	68	52	131
IX	Teynampet	T. Nagar	4	18	18	49	79	166	26	85	79	183
X	Kodambakkm	Kodambakkm	14	16	16	21	49	118	28	70	49	133
XI	Valasaravakkam	Zonal office	14	19	26	42	105	289	46	111	103	270
XII	Alandur	Zonal office,	5	15	19	38	61	182	22	68	61	155
XII	Adyar	Besant Nagar	6	14	20	35	64	189	29	82	64	173
XIV	Perungudi	Perungudi	16	20	18	28	33	210	23	82	38	173
XV	Shozhinganallur	Shozhinganallur	19	20	22	29	44	152	29	66	48	135
24-hour Standards			80 $\mu\text{g}/\text{m}^3$		80 $\mu\text{g}/\text{m}^3$		100 $\mu\text{g}/\text{m}^3$		60 $\mu\text{g}/\text{m}^3$			
Note: 0-50 - Good; 51-100 - Satisfactory; 101-200 - Moderately; 201-300 - Poor; 301-400 - Very Poor; 401-500 - Severe												

ANNEXURES

ANNEXURE – IX: STATUS OF WATER QUALITY UNDER NATIONAL WATER QUALITY MONITORING PROGRAMME (NWMP) FOR THE YEAR APRIL 2023 - MARCH 2024 – ADYAR & COOUM RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No.	Name of the Station	Station Code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Ekkaduthangal	10034	E	E	E	E	E	E	E	E	E	E	E	E
2	Jafferkhanpet	10035	E	E	E	E	E	E	E	E	E	E	E	C
3	Maraimalai Adigalar Bridge	10036	E	E	E	E	E	E	E	E	E	E	E	E
4	Kotturpuram Bridge	10038	E	E	E	E	E	E	E	E	E	E	E	E
5	Near Boat Club	10039	E	E	E	E	E	E	E	E	E	E	E	E
6	Anna Nagar	10040	E	E	E	E	E	E	E	E	E	E	E	E
7	Arumbakkam	10041	E	E	E	E	E	E	E	E	E	E	E	E
8	Aminjikarai	10042	E	E	E	E	E	E	E	E	E	E	E	E
9	Poonamallee	10043	E	E	E	E	E	E	E	E	E	E	E	E
10	College Road	10044	E	E	E	E	E	E	E	E	E	E	E	E
11	Near Central Jail	10045	E	E	E	E	E	E	E	E	E	E	E	E
12	Napier Bridge	10046	E	E	E	E	E	E	E	E	E	E	E	E

* Indicates that samples were not collected due to No flow in the River

Designated Best Use (DBU)

CPCB - Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D - Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal

ANNEXURES

ANNEXURE – X: STATUS OF CAUVERY RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Musiri	31	B	B	A	A	A	B	A	A	A	A	E	B
2	Mettur	50	A	B	C	B	B	B	B	B	B	B	B	B
3	Pallippalayam	51	A	B	B	B	A	A	A	B	B	B	A	B
4	Tiruchirappalli U/s	1202	B	A	A	A	B	B	B	C	A	A	A	B
5	Trichy, Grand Anaicut	1203	B	A	A	A	B	B	B	C	A	B	B	B
6	Karuthattankudi	1206	A	B	*	C	A	B	B	B	A	A	A	A
7	Vairapalayam	1320	A	B	B	B	B	B	B	E	B	B	B	B
8	P.Velur	1323	A	B	B	A	B	B	B	B	B	B	B	B
9	Mohanur	1324	A	B	B	B	B	B	B	B	B	B	B	E
10	Tiruchirappalli D/s	1325	B	A	A	B	A	B	C	B	B	B	B	B

* Indicates that samples were not collected due to No flow in the River

Designated Best Use (DBU)

CPCB - Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D - Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal

ANNEXURES

ANNEXURE – X: STATUS OF CAUVERY RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024 (CONT.)

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
11	Coleroon	1326	B	B	C	B	B	D	D	E	E	E	D	B
12	Pitchavaram	1327	B	B	B	B	B	D	D	E	E	E	E	B
13	Thirumukkudal	1451	B	B	B	B	A	B	B	B	B	B	B	*
14	Kumarapalayam	3012	A	A	A	B	B	B	A	B	B	B	B	B
15	Urrachikottai	3013	A	C	C	A	A	B	C	B	C	C	C	C
16	Chirampalayam	3014	A	A	A	A	A	A	B	B	B	B	B	B
17	Pugalur	3015	A	B	B	A	A	B	B	B	B	B	B	B
18	Pettavaithalai	3016	C	B	A	A	A	B	B	C	B	B	B	B
19	Kumbakonam	3017	*	*	*	*	*	*	B	B	*	B	B	B
20	Mayiladuthurai	3018	*	*	*	*	*	*	*	*	*	*	*	*

* Indicates that samples were not collected due to No flow in the River

Designated Best Use (DBU)

CPCB - Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D - Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal

ANNEXURES

ANNEXURE – X: STATUS OF CAUVERY RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024 (CONT.)

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
21	Kumarapalayam	4827	A	A	A	B	A	A	A	B	B	B	B	B
22	Bhavani D/s	10064	B	C	B	B	B	B	A	B	B	B	C	B
23	Erode U/s	10065	A	B	B	A	C	B	B	B	B	B	B	C
24	Kumarapalayam U/s	10067	A	A	A	B	B	B	A	B	B	B	B	A
25	Pallipalayam D/s	10070	A	A	B	B	B	A	B	B	B	B	B	B
26	Karur U/s	10073	B	C	B	B	B	A	B	B	B	B	B	B
27	Mayiladuthurai D/s	10078	*	*	*	*	*	*	*	*	*	*	*	*

* Indicates that samples were not collected due to No flow in the River

Designated Best Use (DBU)

CPCB - Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D - Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal

ANNEXURES

ANNEXURE – XI: STATUS OF RIVER TAMIRAPARANI- NATIONAL WATER QUALITY MONITORING PROGRAMME NWMP - 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Papanasam	1159	A	A	B	C	B	D	B	B	A	A	A	A
2	Cheranmadevi	1160	A	A	B	B	B	B	C	B	B	A	A	A
3	Kokirakulam	1161	A	B	A	C	C	E	C	B	B	B	A	C
4	Murapanadu	1162	B	A	B	C	B	A	B	B	A	B	B	B
5	Thiruvidadimarudur	1328	B	A	B	B	B	C	C	B	B	A	A	A
6	Ambasamudram	1329	B	A	A	B	D	B	C	B	A	A	A	A
7	Authoor	1330	B	A	B	B	C	B	B	B	B	B	B	B
8	Eral	3025	B	C	B	C	C	B	B	B	B	B	B	B
9	KallidaiKurichi	3026	B	B	A	B	D	D	C	B	A	A	A	B
10	Srivaikuntam	3027	A	B	B	C	B	B	B	B	B	B	B	B
11	Vellakovil	3028	B	B	B	C	C	D	C	B	B	B	A	B
12	Seevalaperi	3029	B	B	B	B	D	E	C	D	B	B	B	B
13	Tirunelveli D/S	10062	B	A	A	B	D	D	C	D	B	B	B	B

* Indicates that the samples were not collected due to no flow in the River

Designated Best Use (DBU)

CPCB-Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D – Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal.

ANNEXURES

ANNEXURE – XII: STATUS OF AMARAVATHI & PALAR RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Madhathukkulam	1319	B	B	B	A	A	A	A	B	B	B	B	B
2	Sellandipalayam	4812	B	B	B	A	A	B	B	B	B	B	B	B
3	Vengal Road	4813	A	B	A	C	B	B	B	A	B	B	B	B
4	Vaniyambadi Head works	1450	*	*	*	*	*	*	*	*	*	*	*	*

* Indicates that the samples were not collected due to no flow in the River

Designated Best Use (DBU)

CPCB-Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D – Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal.

ANNEXURES

ANNEXURE – XIII: STATUS OF BHAVANI RIVER - NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Pathirakaliamman Koil	1201	B	B	B	B	B	B	A	B	B	B	B	B
2	Sirumugai	1204	A	B	B	B	A	B	B	A	B	A	B	B
3	Bhavani	1205	A	B	B	B	B	B	B	B	B	B	C	B
4	Bhavani Sagar	1321	A	B	B	A	C	B	B	B	B	B	B	B
5	R.N pudur	1322	A	C	C	B	A	B	B	A	B	B	B	A
6	Sathyamangalam	3019	A	B	B	A	B	B	A	B	B	A	B	B
7	Kalingarayan Canal (b5)	3020	A	C	B	B	B	B	B	B	A	B	B	B
8	Kalingarayan Canal (b10)	3021	A	C	C	B	B	B	B	B	B	B	B	B

* Indicates that the samples were not collected due to no flow in the River

Designated Best Use (DBU)

CPCB-Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D – Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal.

ANNEXURES

ANNEXURE – XIV: STATUS OF VENNAR, VAIGAI, THIRUMANIMUTHARU, SARAPANGA & VASISTA RIVER – NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP - 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	River Vennar At Thanjavur U/s	10057	A	B	*	C	A	B	B	B	A	C	B	B
2	River Vennar At Thanjavur D/s	10058	A	A	*	C	B	B	A	B	B	B	A	B
3	River Vaigai At Madurai U/s	10059	*	A	*	*	*	*	*	B	B	B	B	C
4	River Vaigai At Madurai D/s	10060	*	B	*	*	*	E	D	*	B	B	E	C
5	Uthamasollapuram	3022	E	E	E	E	E	E	E	E	E	E	E	E
6	Thulukannur	3023	E	E	E	E	E	C	E	E	E	E	E	E
7	Edappadi	3024	E	E	E	E	E	E	E	E	E	E	*	*

* Indicates that the samples were not collected due to no flow in the River

Designated Best Use (DBU)

CPCB-Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D – Propagation of wildlife and fisheries

E - Irrigation, Industrial cooling, Controlled waste Disposal.

ANNEXURES

ANNEXURE – XV: STATUS OF LAKES- NATIONAL WATER QUALITY MONITORING PROGRAMME, NWMP 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Udhagamandalam	1421	A	A	A	C	C	B	C	B	B	B	B	B
2	Kodaikanal	1420	B	B	B	B	A	B	B	B	B	B	B	B
3	Yercaud	1452	B	B	B	B	B	B	B	B	*	C	B	B
4	Veeranam	3007	C	B	C	B	B	D	D	E	E	E	E	E
5	Poondi	3008	A	A	B	B	A	B	B	A	B	B	B	A
6	Redhills	3009	B	A	B	B	B	C	B	B	B	B	B	A
7	Porur	3010	B	B	B	B	B	E	C	B	B	B	B	B
8	Pulicat	3011	B	B	A	B	A	A	C	C	C	B	B	C

* Indicates that the samples were not collected due to no flow in the River

Designated Best Use (DBU)

CPCB-Water Quality Criteria

A - Drinking Water Source without conventional treatment but after Disinfection

B - Outdoor Bathing (Organised)

C - Drinking water source after conventional treatment and disinfection

D – Propagation of wildlife and fisheries

ANNEXURES

ANNEXURE – XVIA: ADYAR RIVER WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2023-2024

CLASSIFICATION OF THE WATER QUALITY AS PER THE DESIGNATED BEST USE

S. No.	Collecting Place	Values in Range							
		Ph	Conductivity µmhos/cm	TSS mg/L	TDS mg/L	Chlorides mg/L	Ammonical Nitrogen mg/L	BOD mg/L	COD mg/L
Sample taken from River									
1	Alandur Abraham Bridge (Downstream)	6.41~7.53	556~14370	8~46	370~8916	87~6498	<2~15.12	7~29	32~200
2	Thiru Vi Ka Bridge (Downstream)	6.63~7.71	518~19872	6~34	344~11802	90~5198	<2~12.32	6~30	32~200
Sample taken from Industrial Outfalls									
3	Nesapakkam STP (23 MLD Outlet)	7.52~11.41	1053~14840	2~20	548~9646	195~4624	<2~6.70	2~24	16~184
4	Nesapakkam STP (40 MLD Outlet)	8.70~11.46	1883~14730	2~26	1164~9576	440~3200	<2~2.80	2~10	16~152
5	Nesapakkam STP (54 MLD Outlet)	7.65~11.33	1304~12800	2~14	972~8320	240~3824	<2~2.24	2~8	32~144
6	Nesapakkam TTRO Plant (Feb – 2024 & March – 2024)	7.64~9.60	1484~3020	2~31	936~1644	285~600	<2~<2	13~13	104~104
Note: <BDL indicates Less than minimum detectable limit.									

ANNEXURES

ANNEXURE – XVIB: BUCKINGHAM CANAL WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2023-2024

S. No.	Collecting Place	Values in Range							
		Ph	Conductivity μ mhos/cm	TSS mg/L	TDS mg/L	Chlorides mg/L	Ammonical Nitrogen mg/L	BOD mg/L	COD mg/L
Sample taken from Canal									
1	Wallaja Road Bridge	6.45~7.09	1168~5610	14~98	116~3784	175~1899	<2~25.20	10~48	80~192
Sample taken from Industrial Outfalls									
2	Kodungaiyur STP (40 MLD Outlet)	Sample not received							
3	Kodungaiyur STP (80 MLD Outlet)	Sample not received							
4	Kodungaiyur STP (110 MLD Outlet) - (April-2023)	7.13	1618	10	1082	140	<2	8	48
Note: <BDL indicates Less than minimum detectable limit.									

ANNEXURES

ANNEXURE – XVIC: COOUM RIVER WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2023-2024

S. No.	Collecting Place	Values in Range							
		Ph	Conductivity µmhos/cm	TSS mg/L	TDS mg/L	Chlorides mg/L	Ammonical Nitrogen mg/L	BOD mg/L	COD mg/L
Sample taken from River									
1	Thirumangalam Causeway (Downstream)	6.42~7.25	806~13730	12~58	556~7812	135~3699	<2~25	6~24	32~176
2	Chitra Talkies Bridge (Downstream)	6.63~7.08	1126~7330	8~72	728~4090	165~2200	<2~25.20	3~48	16~200
3	Napier Bridge (Downstream)	6.61~7.56	763~14480	6~129	534~8184	125~3574	<2~18	7~28	40~200
Sample taken from Industrial Outfalls									
4	Koyambedu STP (34 MLD Outlet)	7.12~8.03	945~2420	2~54	662~1586	185~500	<2~12.32	2~21	16~152
5	Koyambedu STP (60 MLD Outlet) (Feb-2024)	7.98	1185	119	828	260	3.92	28	152
6	Koyambedu STP (120 MLD Outlet)	6.88~8.23	952~2360	2~43	674~1512	207~500	<2~7.84	2~29	16~160
Note: <BDL indicates Less than minimum detectable limit.									

ANNEXURES

ANNEXURE – XVID: OTTERI NULLAH WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2023-2024

S. No.	Collecting Place	Values in Range							
		Ph	Conductivity μmhos/cm	TSS mg/L	TDS mg/L	Chlorides mg/L	Ammonical Nitrogen mg/L	BOD mg/L	COD mg/L
Sample taken from Nullah									
1	Asprin Garden Bridge (Downstream)	6.46~7.17	770~2500	22~86	516~1468	155~430	<2~24	8~24	32~152
2	Vyasarpadi Road Bridge (Downstream)	6.48~7.15	859~2880	18~98	572~1456	132~650	<2~22	11~34	56~200
Note: <BDL indicates Less than minimum detectable limit.									

ANNEXURES

ANNEXURE – XVII: ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2023 TO MARCH 2024

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Ennore Creek	5064	SWII	SWII	SWIV	SWII	SWII	SWII	SWII	SWIV	SWII	SWIV	SWII	SWII
2	Tiruruvottiyur Urban Coastal	5065	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWIV	SWIV	SWIV	SWI
3	Chennai Port Trust	5066	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWIII	SWI	SWIII	SWIII
4	Santhome Beach	5067	SWI	SWI	SWI	SWI	SWII	SWI	SWI	SWI	SWII	SWI	SWI	SWI
5	Injambakkam	5068	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWV	SWI	SWI	SWI	SWI
6	Mamallapuram	5069	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
7	Kalpakkam	5070	SWI	SWIV	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
8	Alamparaikuppam	5071	SWII	SWIV	SWII	SWII	SWII	SWII	SWII	SWII	SWII	SWII	SWII	SWII
9	Thalngadu	5072	SWI	SWI	SWII	SWII	SWI	SWI	SWII	SWIV	SWIV	SWI	SWIV	SWII
10	Kottakuppam	5073	SWIV	SWIV	SWII	SWII	SWI	SWI	SWII	SWII	SWII	SWI	SWII	SWIV

Water Quality Standards for Coastal Waters Marine Outfalls

Class	Designated Best Use	Parameters & Standards
SW – I	Salt pans, Shell fishing, Mariculture and Ecologically Sensitive Zone.	pH - 6.5-8.5; D.O - minimum 5.0 mg/l; Oil and Grease -0.1 mg/l; Heavy metals (Hg, Pb, Cd) - 0.01 mg/l
SW – II	Bathing, Contact Water Sports and Commercial fishing.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – III	Industrial cooling, Recreation (non-contact) and Aesthetics.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – IV	Harbour	pH - 6.5-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)
SW – V	Navigation and Controlled Waste Disposal.	pH - 6.0-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)

ANNEXURES

ANNEXURE – XVII: ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2023 TO MARCH 2024 (CONT.)

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
11	Cuddalore	5074	SWIV	SWIV	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWIV
12	Pichavaram	5075	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
13	Kollidam	5076	SWI	SWI	SWII	SWII	SWI	SWI	SWII	SWII	SWII	SWI	SWIV	SWII
14	Tharangambadi Beach	5077	SWI	SWI	SWII	SWII	SWI	SWI	SWII	SWII	SWII	SWII	SWII	SWII
15	Nagapattinam	5078	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
16	Vellankanni	5079	SWIV	SWI	SWII	SWII	SWI	SWI	SWII	SWII	SWII	SWI	SWIV	SWII
17	Muthupettai	5080	SWV	SWV	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
18	Lagoon Nearby The Coast Line	5081	SWI	SWI	SWI	SWI	SWI	SWI	SWIV	SWI	SWI	SWI	SWI	SWV
19	Adiramapattinam	5082	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
20	Kezhathottam	5083	SWIV	SWI	SWIV	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI

Water Quality Standards for Coastal Waters Marine Outfalls

Class	Designated Best Use	Parameters & Standards
SW – I	Salt pans, Shell fishing, Mariculture and Ecologically Sensitive Zone.	pH - 6.5-8.5; D.O - minimum 5.0 mg/l; Oil and Grease -0.1 mg/l; Heavy metals (Hg, Pb, Cd) - 0.01 mg/l
SW – II	Bathing, Contact Water Sports and Commercial fishing.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – III	Industrial cooling, Recreation (non-contact) and Aesthetics.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – IV	Harbour	pH - 6.5-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)
SW – V	Navigation and Controlled Waste Disposal.	pH - 6.0-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)

ANNEXURES

ANNEXURE – XVII: ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2023 TO MARCH 2024 (CONT.)

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
21	Mallipatanam	5084	SWI	SWI	SWI	SWI	SWI	SWI	SWIV	SWI	SWI	SWIV	SWI	SWI
22	Kottaipattinam	5085	SWIV	SWI	SWI	SWI	SWI	SWI	SWIV	SWI	SWIV	SWI	SWI	SWI
23	Rameswaram	5086	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWV	SWI	SWI	SWI
24	Erwadi	5087	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
25	Tuticorin	5088	SWI	SWI	SWI	SWI	SWIII	SWI	SWII	SWI	SWI	SWI	SWI	SWI
26	Thiruchendur	5089	SWI	SWI	SWI	SWI	SWII	SWI	SWI	SWI	SWI	SWI	SWI	SWI
27	Punnakayal	5090	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
28	Vembar	5091	SWI	SWII	SWI	SWI	SWIII	SWI	SWI	SWI	SWI	SWI	SWI	SWI
29	Uvari	5092	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
30	Koodankulam	5093	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI

Water Quality Standards for Coastal Waters Marine Outfalls

Class	Designated Best Use	Parameters & Standards
SW – I	Salt pans, Shell fishing, Mariculture and Ecologically Sensitive Zone.	pH - 6.5-8.5; D.O - minimum 5.0 mg/l; Oil and Grease -0.1 mg/l; Heavy metals (Hg, Pb, Cd) - 0.01 mg/l
SW – II	Bathing, Contact Water Sports and Commercial fishing.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – III	Industrial cooling, Recreation (non-contact) and Aesthetics.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – IV	Harbour	pH - 6.5-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)
SW – V	Navigation and Controlled Waste Disposal.	pH - 6.0-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)

ANNEXURES

ANNEXURE – XVII: ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2023 TO MARCH 2024 (CONT.)

S. No	Name of the Station	Station code	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
31	Kanyakumari	5094	SWI	SWI	SWI	SWI	SWII	SWI	SWI	SWI	SWI	SWI	SWI	SWI
32	Keezhamanakudy	5095	SWI	SWI	SWI	SWII	SWII	SWII	SWI	SWI	SWI	SWI	SWI	SWI
33	Colachel	5096	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI
34	Thangapattinam	5097	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI	SWI

Water Quality Standards for Coastal Waters Marine Outfalls

Class	Designated Best Use	Parameters & Standards
SW – I	Salt pans, Shell fishing, Mariculture and Ecologically Sensitive Zone.	pH - 6.5-8.5; D.O - minimum 5.0 mg/l; Oil and Grease -0.1 mg/l; Heavy metals (Hg, Pb, Cd) - 0.01 mg/l
SW – II	Bathing, Contact Water Sports and Commercial fishing.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – III	Industrial cooling, Recreation (non-contact) and Aesthetics.	pH - 6.5-8.5; D.O - minimum 4.0 mg/l; Turbidity - 31 NTU; Fecal Coliform- 100/100 ml (MPN); B.O.D at 27°C -3 mg/l
SW – IV	Harbour	pH - 6.5-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)
SW – V	Navigation and Controlled Waste Disposal.	pH - 6.0-9; D.O- minimum 3.0 mg/l; Fecal Coliform- 500/100 ml (MPN)

ANNEXURES

ANNEXURE – XVIII: AVERAGE VALUES OF AMBIENT NOISE LEVELS IN CHENNAI CITY - DAY TIME FOR APRIL 2023- MARCH 2024

All values in LeqdB(A)					
	Eye Hospital Egmore (S)	Guindy (I)	Pallikaranai (C)	Perambur (C)	Sowcarpet (C)
Avg.	65	66	67	58	56
Max.	77	74	88	72	72
Min.	55	63	34	35	33
	T. Nagar (S)	Triplicane (R)	Velachery (C)	Washermanpet (C)	Annanagar (S)
Avg.	71	64	69	69	62
Max.	94	96	89	94	109
Min.	56	25	41	35	25
	S- Sensitive	R – Residential	I – Industrial	C – Commercial	

Ambient Air Quality Standards for Noise Level		
Category of Area / Zone	Leq dB(A) Day time	Leq dB(A) Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Sensitive Zone	50	40

ANNEXURES

ANNEXURE – XVIIIIB: AVERAGE VALUES OF AMBIENT NOISE LEVELS IN CHENNAI CITY - NIGHT TIME FOR APRIL 2023- MARCH 2024

All values in LeqdB(A)					
	Eye Hospital Egmore (S)	Guindy (I)	Pallikaranai (C)	Perambur (C)	Sowcarpet (C)
Avg.	64	65	67	55	54
Max.	76	72	77	63	68
Min.	57	59	47	30	39
	T. Nagar (S)	Triplicane (R)	Velachery (C)	Washermanpet (C)	Annanagar (S)
Avg.	66	59	60	67	53
Max.	89	88	85	89	92
Min.	52	24	33	34	26
	S- Sensitive	R – Residential	I – Industrial	C – Commercial	

Ambient Air Quality Standards for Noise Level		
Category of Area / Zone	Leq dB(A) Day time	Leq dB(A) Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Sensitive Zone	50	40

PART – II

ANNUAL STATEMENT OF ACCOUNTS

2023 – 2024

The Annual Statement of Accounts comprising the Balance Sheet as at 31st March 2024, the Income & Expenditure Statement and Receipts & Payments Account for the year then ended have been audited by the Tvl. N.Muthukumaraswamy & Co. (MD0959), Chartered Accountants, No.28, 1st Floor, Sourashthra Nagar, 2nd Street, Choolaimedu, Chennai-600 094, Tamil Nadu who had been appointed in exercise of the powers conferred by sub-section (3) of section 40 of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974) on the advice of the Comptroller and Auditor General of India. As required by sub-section (7) of section 40 of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974), the same along with the Audit Report thereon is being submitted to the State Government which shall cause the same to be laid before the State Legislature.



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**AUDITOR'S REPORT TO THE MEMBERS OF
THE TAMILNADU POLLUTION CONTROL BOARD FOR THE
YEAR ENDED 31st MARCH 2024.**

Qualified Opinion

We have audited the accompanying annual statement of accounts of Tamil Nadu Pollution Control Board ("the Board"), which comprise the Balance Sheet as at March 31, 2024, the Income and Expenditure Account and the Receipts and Payments Account for the year then ended, and notes to the annual statement of accounts, including a summary of significant accounting policies and other explanatory information (herein after referred to as "annual statement of accounts").

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid annual statement of accounts give the information required by the Tamilnadu Water (Prevention and Control of Pollution) Rules, 1983 (the "Rules") and Water (Prevention and Control of Pollution) Act, 1974 (the "Act") in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of the Board as at March 31, 2024, its Surplus and the Receipts & Payments for the year ended on that date.

Basis for Qualified opinion

Attention is drawn to the, a) Note 2.6 with respect to accounting of Consent Fees and Consent Fees Arrears; b) Note 2.7 with respect to the receivables under water cess, project study receivables, advances receivables, and Ways & means balance receivable; c) Note 2.8 with respect to pending approval of Income Tax Exemption from the Income Tax Department and non-provision of current taxes; d) Note 2.9 with regard to Internal Audit function not there to have proper checks and controls on the financial activities of the Board; and e) Note 2.10 with regard to the pending confirmation of balances.

In the absence of information and other relevant details, the impact if any, on the carrying value of those items in assets and liabilities and the consequential impact on the surplus of the Board for the year under consideration is not determinable.

We conducted our audit in accordance with the standards on auditing issued by the Institute of Chartered Accountants of India (ICAI). Our responsibilities under those Standards are further described in the auditor's responsibilities for the audit of annual statement of accounts section of our report. We are independent of the Board in accordance with the code of ethics issued by the ICAI together with the ethical requirements that are relevant to our audit of the annual statement of accounts and we have fulfilled our other ethical responsibilities in accordance with these requirements and the code of ethics.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of Matter

We draw the attention to the note in Note, a) Note 2.12 land advance, b) Note 2.13 Advance to suppliers, c) Note 2.15 Building under construction, d) Note 2.16 contingent liabilities, e) Note 2.17 Bank balances adjustments, f) Note 2.18 outstanding under schemes, g) Note 2.19 funds to other projects, h) Note 2.20 funds to other departments, and i) Note 2.23 court deposit.

All the above notes relate to the outcome of future events and the results of the future events are not determinable as on date and any consequential adjustments on the carrying value, if any, required to be made for the annual statement of accounts are not ascertainable and our opinion on these matters are not modified.

Management's responsibility for the annual statement of accounts

The Boards management is responsible for the matters stated in the Rules and the Act with respect to the preparation of these annual statement of accounts that give a true and fair view of the financial position, financial performance, and receipts and payments of the Board in accordance with the accounting principles generally accepted in India and the Act. This responsibility also includes maintenance of adequate accounting records for safeguarding of the assets of the Board and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design,

implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the annual statement of accounts that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the annual statement of accounts, management is responsible for assessing the Board's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Board or to cease operations, or has no realistic alternative but to do so.

The management is also responsible for overseeing the Board's financial reporting process.

Auditor's responsibilities for the audit of the annual statement of accounts

Our objectives are to obtain reasonable assurance about whether the annual statement of accounts as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Standards on Auditing (SA) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these annual statement of accounts.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the annual statement of accounts, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Board's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the annual statement of accounts or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Board to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the annual statement of accounts, including the disclosures, and whether the annual statements of accounts represent the underlying transactions and events in a manner that achieves fair presentation.

Materiality is the magnitude of misstatements in the annual statement of accounts that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the annual statement of accounts may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the results of our work; and (ii) to evaluate the effect of any identified misstatements in the annual statement of accounts.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to

communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

Report on Other Legal and Regulatory Requirements

As required by the Act and Rules, we report that:

- (a) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
- (b) In our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books
- (c) The Balance Sheet, the Statement of Profit and Loss, and the Cash Flow Statement dealt with by this Report are in agreement with the books of account.
- (d) The Balance Sheet, the Income and Expenditure Account and the Receipts and Payments Account comply with the particulars as specified in Schedule III of the Rules.

for M/s V. KALAISELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Registration No: 006147S/S200044

Place: Chennai

Date: 13 December, 2024

V.KALAISELVI
Partner
Membership No: 200474
UDIN:24200474BKHJLU7909

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

TAMIL NADU POLLUTION CONTROL BOARD, CHENNAI-600 032.
ANNUAL STATEMENT OF ACCOUNT
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2024.

Previous Year	RECEIPTS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.
56,09,40,616	A. OPENING BALANCE	76,00,71,853	
1,194	a. Bank	12,260	
41,46,49,341	b. Cash	60,29,729	76,61,13,842
	c. Bank (Court Deposit)		
	B. GRANTS RECEIVED		
-	a. From Government	-	
-	b. From other Agencies	-	
-	c. Schemes	-	-
	C. FEES		
-	a. Consultant Registration Fees	-	
-	b. Cost of Application	-	
1,80,46,58,955	c. Consent Fees	1,62,23,57,039	
9,35,803	d. Cess Collection	1,80,086	
-	e. Fees for handling H. Waste	-	1,62,25,37,125
	D. FEES FROM LABORATORY		
31,85,22,604	Lab Analysis Charges (Schedule -A)		31,56,03,229
	E. INTEREST ON INVESTMENT		
1,89,48,81,093			1,52,55,20,735
4,99,45,89,606	C/O		4,22,97,74,931

Previous Year	PAYMENTS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.
13,11,79,281	A. CAPITAL EXPENDITURE		
40,65,629	a. Assets - Land and Building	10,69,35,754	
5,86,44,775	b. Laboratory Equipment	2,44,51,648	
21,58,931	c. Vehicles	2,30,41,166	
40,05,818	d. Furniture	24,89,916	
2,47,950	e. Office Appliance	46,37,419	
1,52,892	f. Library Books	-	
60,89,760	g. Electrical Installation	2,67,788	
15,66,887	h. Computer	38,01,936	
	i. Software	45,01,671	17,01,27,298
	B. REVENUE EXPENDITURE		
	A. ADMINISTRATIVE		
61,75,33,944	a. Salaries	61,38,20,237	
10,14,93,365	b. Pension & Gratuity	5,62,82,406	
-	c. Surrender Leave Salary	-	
7,25,000	d. Bonus	6,60,750	
30,59,128	e. Medical Expenses	35,51,271	
1,40,80,00,000	f. TNPCB Employees Pension Fund Tr	29,05,88,000	
10,00,01,000	g. TNPCB Employees EL Encashment Fund Tr	-	96,49,02,664
	B. BOARD LABORATORY		
18,59,739	a. Running Expenses of Lab.	32,77,893	
25,55,352	b. Lab. Chemicals etc.	58,19,466	90,97,359
	C. RUNNING & MAINTAINCE OF VEHICLE		
3,47,48,087			3,60,32,225
	D. MAINTENANCE AND REPAIRS		
1,28,37,376	a. Buildings	1,60,69,677	
1,51,920	b. Furniture & Fixture	88,656	
36,37,029	c. Scientific Instruments	36,35,984	
24,43,382	d. Office Appliance	12,56,938	
12,63,895	e. Electrical Installation	25,19,591	
6,39,428	f. Insurance of Assets	7,64,731	
27,85,345	h. Computer & Accessories	24,59,733	2,67,95,310
	C/O		1,20,69,54,856
2,50,18,45,913			

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

ANNUAL STATEMENT OF ACCOUNT
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2024.
[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Previous Year	RECEIPTS	TOTAL OF SUBHEAD	TOTAL OF MAJOR HEADS
Rs. 4,99,45,89,606	B/F	Rs.	Rs. 4,22,97,74,931
2,20,46,388	F. MISCELLANEOUS	9,50,45,592	9,50,45,592
-	a. Others (Schedule-B)	-	
	b. Cess Re-imbursement		
11,23,722	G. DEPOSITS AND ADVANCES	1,79,49,382	
-	a. Earnest Money Deposit	52,66,429	
-	b. Security Deposit	2,12,522	
17,48,11,14,141	c. Advance to Staff (Schedule - C)	17,92,99,93,818	17,95,34,22,151
	d. Short Term Deposit		
1,61,90,03,143	H. OTHERS (Schedule - D)		1,87,06,15,803
7,81,957	I. RENT		15,28,575
24,11,86,58,957	Total		24,15,03,87,052

Previous Year	PAYMENTS	TOTAL OF SUBHEAD	TOTAL OF MAJOR HEADS
Rs. 2,50,18,45,913	B/F	Rs.	Rs. 1,20,69,54,856
2,93,77,435	E. LAW CHARGES		3,12,15,200
2,36,000	F. AUDIT FEES		2,36,000
1,03,26,54,041	G. MISCELLANEOUS (Schedule-E)		1,85,18,81,981
-	C. CESS REMITTANCE		-
98,75,401	D. ADVANCE (Schedule - F)		1,43,78,168
19,52,26,30,075	E. DEPOSITS	17,51,51,06,661	
25,59,26,249	a. Short Term Deposits	9,33,37,365	17,60,84,44,026
	b. Others (Schedule - G)		
76,00,71,853	H. CLOSING BALANCE	3,23,72,39,952	
12,260	a. Bank	-	
60,29,729	b. Cash	20,00,36,869	
-	c. Bank (Court Deposit) (Schedule - H)	-	3,43,72,76,821
	d. Funds in Transit		
24,11,86,58,957	Total		24,15,03,87,052

Place: Chennai.
Date: 13-12-2024

As per our Report of Event date
for M/s V.KALAISELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Regn.No: 006147S/S200044

J.Padma Malini.,
Financial Adviser

R.Kannan. M.Tech.,
Member Secretary

Dr.Jayanthi.M. I.F.S.,
Chairperson

V KALAISELVI
Partner[M.No:200474]

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

ANNUAL STATEMENT OF ACCOUNT
Income and Expenditure Account for the year ended 31st March 2024.
[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

PREVIOUS YEAR Rs.	EXPENDITURE	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.
40,77,89,411	A. Administrative		
31,53,05,531	a. Pay of Establishment	34,93,86,403	
	b. Allowance & Honororia (<i>Schedule-I</i>)	26,57,24,464	
	c. Contribution to Pension, Gratuity, Commutation of Pension, UEL etc.,	56,54,54,626	
1,40,06,74,702			1,18,05,65,493
73,92,566	B. Running Expenses of Labs.		83,83,168
3,54,87,792	C. Running and Maintenance of Vehicle (<i>Schedule-J</i>)		3,69,56,046
	D. Repairs and Maintenance		
1,52,624	a. Furniture & Fixtures	88,656	
36,38,762	b. Lab. Equipments & Instruments	36,86,716	
24,32,482	c. Office Appliance	12,90,901	
13,88,587	d. Electrical Installation	28,93,057	
1,37,04,639	e. Building	1,76,87,641	
31,12,705	f. Computers & Accessories	28,25,072	2,84,72,043
70,08,467	E. Fees to Consultants and Specialists		1,37,42,501
3,22,93,535	F. Law Charges		4,14,15,200
2,36,000	G. Fees for Audit		2,36,000
1,02,52,34,552	H. Miscellaneous (<i>Schedule-K</i>)		1,78,51,50,990
7,55,66,518	I. Depreciation (Form XV)		11,84,77,996
49,12,823	J. Prior Period Adj.Account		50,89,054
1,49,81,94,202	K. Excess of income over Expenditure transferred to Balance Sheet		1,66,39,60,742
4,83,45,25,899	Total		4,88,24,49,231

PREVIOUS YEAR Rs.	INCOME	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.
-	A. Grants received		
-	a. From Government	-	
	b. From other Agencies	-	
-	Less: Amount utilised for Capital Expenditure	-	
-	Net Grant available for Revenue Expenditure	-	-
2,91,96,14,170	B. Fees (<i>Schedule-L</i>)		2,98,35,81,959
32,05,61,064	C. Fees from Laboratory (<i>Schedule-M</i>)		35,40,39,888
1,48,10,586	D. Miscellaneous Receipts	96,37,279	
-	a. Others (<i>Schedule-N</i>)	-	96,37,279
	b. Cess Reimbursement		
1,57,87,58,121	E. Interest on Investment		1,53,35,39,564
-	F. Prior Period Adj.Account		-
7,81,957	G. Rent (Income)		16,50,542
4,83,45,25,899	Total		4,88,24,49,231

Place: Chennai.
Date: 13-12-2024

As per Our Report of Even Date
for M/s V.KALASELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Regn.No: 006147S/S200044

J.Padma Malini.,
Financial Adviser

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Member Secretary

Dr.Jayanthi.M.I.F.S.,
Chairperson

V.KALASELVI
Partner
[M.No.200474]

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

ANNUAL STATEMENT OF ACCOUNT
Balance Sheet as on 31st March 2024.
[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

PREVIOUS YEAR Rs.	LIABILITIES	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.	PREVIOUS YEAR Rs.	ASSETS	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.
5,45,26,922	A. CAPITAL FUND a. Grants i. Grants received from Govt. for capital expenditure ii. Grants received from Govt. for capital exp. During the current year and utilised. iii. Grants received towards specific schemes from other agencies iv. Less: Amount transferred to Depreciation Fund	5,45,26,922 -	5,45,26,922	30,14,02,732	A. WORKS a. Building Under Construction		32,39,80,085
-		-		24,34,16,128	B. FIXED ASSETS a. As per Form XV		52,24,29,277
-		-		26,67,67,449	C. OTHER ASSETS a. As per Form XV b. Stock in hand i. Lab Chemicals ii. Misc. Stores iii. Glassware iv. Filter Paper	21,45,312 1,45,627 16,29,438 21,06,801	25,09,22,671
-		-		22,45,215 1,75,170 10,35,076 16,54,745			60,27,178
14,42,25,69,114	b. Excess of Income over Expenditure i. As at 01.04.23	15,84,21,41,108	19,22,44,97,496	6,99,40,11,721	D. SUNDRY DEBTORS a. Cess Receivable i. From Industries ii. From Local Bodies	6,99,39,62,280 1,54,24,70,721	8,53,64,33,001
1,49,81,94,202	ii. Add: Surplus during the year	1,66,39,60,742		1,54,26,00,721		8,53,64,33,001	
		17,50,61,01,849			Less: Cess unrecoverable	-	
(7,86,22,209)	iii. Add: Amount transferred from Earmarked Funds	1,71,83,95,647			b. Receivable-Project study& others		22,95,53,752
71,94,27,834	B. EARMARKED FUND a. Pension Fund	-	78,58,07,376	21,56,07,224	c. Ways and Means Advance Receivable		24,07,52,716
1,58,97,65,642	b. Depreciation Fund	-		24,07,52,716			
12,86,30,005	c. E.L. encashment Fund	-			E. ADVANCES & DEPOSITS a. Misc. amounts recoverable (Schedule - R)	39,88,08,800	40,38,20,074
33,63,250	d. CETP Development Fund	33,63,250		55,43,15,729	b. Advance to Staffs (Schedule - S)	23,45,811	
-	e. GPF/CPS Fund	78,24,44,126		27,77,449	c. Deposits (Schedule - T)	26,65,464	
				27,40,446		-	
1,14,95,84,113	C. OTHER DEPOSITS a. Deposits for supply & works (Schedule -O)	1,45,22,25,216	1,45,59,54,216	-			
37,29,000	b. Eco Devlpt. Measure Deposit	37,29,000					
19,49,11,67,874	C/o		21,52,07,86,011	10,36,95,02,522	C/o		10,51,39,18,754

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

ANNUAL STATEMENT OF ACCOUNT
Balance Sheet as on 31st March 2024.
[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

PREVIOUS YEAR Rs.	LIABILITIES	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.
19,49,11,67,874	B/f		21,52,07,86,011
8,55,06,75,489	D. AMOUNT DUE	8,55,06,75,489	
-	a. Cess Payable	-	8,55,06,75,489
8,56,77,765	Less: Cess unrecoverable		1,04,38,51,330
	b. Other Liability (Schedule -P)		
2,64,957	E. ENVIRONMENTAL IMPACT STUDY		2,64,957
3,23,62,95,205	F. INCOME RECEIVED IN ADVANCE (Schedule - Q)		3,44,73,46,626
2,14,98,500	G. SUBSIDIES FOR COMMON EFFLUENT TREATMENT PLANTS		2,14,98,500
11,89,893	H. ENVIRONMENTAL EDUCATION FUND RESERVE		11,89,893
4,89,400	I. EMERGENCY RESPONSE CENTRE		4,89,400
19,65,077	J. SCHEMES		19,65,077
1,18,85,550	K. SPONSORSHIP FOR SCHEMES		1,18,85,550
31,40,11,09,710	Total		34,59,99,52,833

PREVIOUS YEAR Rs.	ASSETS	TOTAL OF SUB HEAD Rs.	TOTAL OF MAJOR HEADS Rs.
10,36,95,02,522	B/f		10,51,39,18,754
26,40,47,405	d. Tax Refundable / Receivable		36,36,53,846
	F. INVESTMENTS		
71,94,27,834	1. Pension Fund Investment	-	
1,58,97,65,642	2. Depreciation Fund Investment	-	
12,86,30,005	3. EL Encashment Fund Investment	-	
33,63,250	4. CETP Develop. Fund Investment	-	
17,53,57,59,211	5. Other Term Deposits - (Schedule - U)	19,47,81,59,286	
2,45,00,000	6. Tamil Nadu Green Climate Co.,	2,45,00,000	
-	7. CPS/GPF Fund Investments	78,24,44,126	20,28,51,03,412
	H. CASH & BANK BALANCE		
73,55,97,746	a. Balance with Banks	3,23,72,39,952	
25,02,374	b. Bank (Court Deposit)	2,64,12,979	
34,98,577	c. Bank (Env. Compensation)	10,49,12,717	
6,312	d. Bank (Abatement of Pollution)	2,65,75,458	
2,44,96,572	e. Bank (NCAP/CAAQM/NAMP NRCP/NWMP)	4,21,35,715	
12,260	f. Cash on hand	-	
-	g. Funds in transit	-	3,43,72,76,821
31,40,11,09,710	Total		34,59,99,52,833

Place: Chennai.
Date: 13-12-2024

As per Our Report of Even Date
for M/s V.KALASELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Regn.No: 006147S/S200044

J.Padma Malini.,
Financial Adviser

R.Kannan.M.Tech.,
Member Secretary

Dr.Jayanthi.M.I.F.S.,
Chairperson

V.KALASELVI
Partner
[M.No.200474]

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

Form XV

ANNUAL STATEMENT OF ACCOUNTS - FIXED ASSETS AS ON 31st MARCH 2024.
[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Sl. No.	Particulars of Assets	Rate of Depreciation	Opening Balance on 01/04/2023	Additions and Adjustment during the year	Total	Depreciation during the year	Sales or Write off during the year	Closing Balance on 31/03/2024	Cumulative Depreciation on 31/03/2024
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1.Fixed Assets									
1	Land Development	0%	3,31,00,255	22,30,85,523	25,61,85,778	-		25,61,85,778	-
2	Building	10%	21,03,15,873	8,48,82,642	29,51,98,515	2,89,55,016		26,62,43,499	48,88,49,626
	Total - A		24,34,16,128	30,79,68,165	55,13,84,293	2,89,55,016	-	52,24,29,277	48,88,49,626
2.Other Assets									
1	Computer	40%	1,91,86,454	43,40,199	2,35,26,653	93,49,925		1,41,76,728	9,84,03,427
2	Electrical Installations	10%	21,97,235	2,67,788	24,65,023	2,36,376		22,28,647	3,37,72,764
3	Furniture & Fixture	10%	1,38,31,503	48,24,877	1,86,56,380	18,34,453		1,68,21,927	4,69,11,759
4	Lab Equipment	40%	12,56,43,731	2,44,51,648	15,00,95,379	5,53,57,846		9,47,37,533	70,27,69,937
5	Library Books	40%	13,61,114	-	13,61,114	5,44,446		8,16,668	88,49,745
6	Office Appliance	15%	4,75,48,211	46,83,950	5,22,32,161	77,55,518		4,44,76,643	9,34,11,517
7	Vehicle	15%	5,55,62,974	3,18,73,390	8,74,36,364	1,26,16,979	12,65,320	7,35,54,065	13,40,53,101
8	Software Development	40%	14,36,227	45,01,671	59,37,898	18,27,437		41,10,461	1,37,94,290
	Total - B		26,67,67,448	7,49,43,523	34,17,10,971	8,95,22,980	12,65,320	25,09,22,671	1,13,19,66,540
	Total - A+B		51,01,83,576	38,29,11,688	89,30,95,264	11,84,77,996	12,65,320	77,33,51,948	1,62,08,16,165
	Previous Year		51,01,83,576	17,35,24,195	55,57,05,530	7,86,22,209	-	47,70,83,322	1,50,23,38,171

Place: Chennai.
Date: 13-12-2024

As per Our Report of Even Date
for M/s V.KALASELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Regn.No: 006147S/S200044

J.Padma Malini.,
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Chairperson

V.KALASELVI
Partner
[M.No.200474]

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024**SCHEDULE FOR FORMING PART OF RECEIPTS AND PAYMENTS
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024.****RECEIPTS
SCHEDULE - A
FEES FROM LABORATORY**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Air Ambient Quality Survey	17,97,54,782	18,74,99,989
2	Analysis Charges	11,59,32,454	12,80,68,240
3	GEMS / MINARS / NAMP	2,28,35,368	35,000
	TOTAL	31,85,22,604	31,56,03,229

**SCHEDULE – B
MISCELLANEOUS RECEIPTS**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Appellate Authority Fees	75,500	2,49,115
2	Amount -Receivable -Others	-	10,56,000
3	Interest on Loans and Advance	7,052	2,22,338
4	Bank Interest & Commission	4,522	1,49,499
5	Miscellaneous Income	68,98,031	15,46,038
6	National Expo - 2022	3,65,876	-
7	Prior Period Adjustments	-	1,43,78,887
8	Sale of Assets	-	12,65,320
9	Public Hearing	1,03,12,737	3,72,72,315
10	Receipts-NCAP	35,21,532	-
11	Recovery of Pension	7,30,189	1,06,497
12	Right to Information Fees	55,264	71,291
13	Sale of Legal Books	45,615	36,400
14	Tax Refundable / Receivable Account	30,070	1,13,266
15	Interest on Tax Refund	-	7,924
16	Tender Application Fees	-	10,000
17	NAMP A/C	-	3,85,12,702
18	Vehicle Emission Test Fees	-	48,000
	TOTAL	2,20,46,388	9,50,45,592

**SCHEDULE – C
ADVANCE TO STAFF (Receipts)**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Tour Advance	-	2,12,522.00
	TOTAL	-	2,12,522.00

**SCHEDULE FOR FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT FOR THE
YEAR ENDED ON 31st MARCH 2024. (Cont.)**

**SCHEDULE – D
OTHERS**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	AAQS Fees Advance	93,250	-
2	Analysis Fees - Advance	11,33,480	14,50,280
3	Cess received in Advance	23,319	-
4	Consent Fees received in Advance	1,52,49,18,800	1,57,27,33,839
5	Deposit Court - Others	83,52,317	6,69,10,605
6	Environment Compensation Fund	6,86,96,839	18,56,96,069
7	Sundry Creditors (Others)	96,71,609	58,63,830
8	GST Sales	3,385	2,26,186
9	SEIAA/SEAC	61,10,144	70,96,027
10	NCAP	-	18,29,456
11	Tax Collected at Source (TCS)	-	14,745
12	Plastic Awareness Collector Fund	-	18,29,327
13	Journalist's Welfare Board	-	3,96,293
14	Abatement Receipts	-	2,65,69,146
	TOTAL	1,61,90,03,143	1,87,06,15,803

**PAYMENTS
SCHEDULE –E
MISCELLANEOUS**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	AAQS Expenses	3,24,43,141	4,82,34,709
2	Advertisement and Publicity	11,61,206	1,10,84,680
3	Amount Receivable - Others	90,96,495	1,38,33,929
4	Appellate Authority Expenses	27,13,980	25,30,810
5	Bank Interest and Commission	59,383	44,165
6	Board Meeting Expenses	29,44,243	35,33,002
7	Consultant Fees	69,97,342	1,37,43,501
8	Wages	-	1,02,23,040
9	Contract Charges	8,02,86,713	13,66,46,543
10	Chess Olympiad	2,45,00,000	-
11	G20 Conference Expenses	-	4,05,53,474
12	Conveyance	2,03,537	1,41,259
13	DEE Legal Samples	5,17,845	3,10,000
14	Environment Pavillion Expenses	1,61,728	-
15	Electricity / Water Charges	1,37,81,114	1,80,31,011
16	Entertainment	40,784	30,238
17	Environment Training Institute Expenses	7,32,786	14,568
18	Environmental Study Expenses	57,47,371	1,17,74,206
19	Funding to Other Govt. Departments	68,54,97,476	1,37,35,95,173
20	Interest on Performance Guarantee Deposits	27,90,075	-
21	Land Maintenance Expenses	1,46,182	1,92,071
22	Miscellaneous Expenses	7,98,803	18,27,920
23	National Expo - 2022	3,67,10,451	-
24	Newspaper and Periodicals	3,65,840	4,76,151
25	OCMMS Expenses	655	1,527

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024**MISCELLANEOUS (Cont.)**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
26	Office Expenses	21,01,695	26,59,385
27	Other Legal Expenses	43,105	3,94,515
28	Outstanding Expenses	6,63,860	1,69,60,957
29	Payment -NCAP	44,07,988	-
30	Petty Cash Expenses	4,14,561	6,54,461
31	Pollution and Plastic Awareness Expenses	8,10,59,771	6,15,03,982
32	Postage Expenses	23,17,625	21,82,029
33	Printing and Stationery	59,59,441	64,33,697
34	Project Management Unit at Secretariat	11,10,224	40,83,618
35	Prior Period Adjustments	14,41,638	-
36	Property Tax	28,29,553	33,47,972
37	Public Hearing	-	3,13,71,103
38	Rent	58,73,196	71,43,536
39	Staff Welfare Expenses	55,87,826	53,23,339
40	GST-TDS	3,47,022	6,96,538
41	Telephone and Telex	21,49,542	17,78,236
42	Trade Fair	11,52,078	20,52,913
43	Training and Seminar	45,47,621	7,47,950
44	Travelling Expenses	29,61,803	52,19,256
45	Turn Duty Allowance	600	-
46	Tax Refundable / Receivable Account	-	1,24,09,496
47	NWMP / NAAQM	-	60,000
48	LTC Expense	-	37,021
	TOTAL	1,03,26,66,298	1,85,18,81,981

SCHEDULE –F
ADVANCE TO STAFF (PAYMENT)

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Computer Advance	49,600	-
2	Festival Advance	17,54,000	17,28,000
3	Motor Vehicle Advance	92,618	12,44,000
4	Tour Advance	71,991	6,95,906
5	Temporary Advance	79,07,192	1,07,10,262
	TOTAL	98,75,401	1,43,78,168

**SCHEDULE FOR FORMING PART OF RECEIPTS AND PAYMENTS
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024. (Cont.)**

**SCHEDULE –G
DEPOSITS AND ADVANCES (Including NGT based Deposits)**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Abatement Receipts	17,03,379	-
2	Advance to Suppliers	5,28,99,175	9,11,26,592
3	Earnest Money Deposit	7,87,003	6,41,026
4	Electricity Deposit	57,159	2,20,570
5	Land Advance	19,67,38,540	-
6	Rent Advance	5,32,400	5,00,000
7	Security Deposit	32,07,409	8,49,177
8	Telephone Deposit	1,184	-
	TOTAL	25,59,26,249	9,33,37,365

**SCHEDULE –H
BANK DEPOSITS (COURT)**

Sl. No.	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Abatement of Pollution	6,313	2,65,75,458
2	Environment Compensation Fund	34,98,579	10,49,12,717
3	Bank (Court Deposit- NGT)	25,02,374	2,64,12,979
4	NCAP Account	22,466	23,090
5	NAMP Account	-	4,21,12,625
	TOTAL	60,29,732	20,00,36,869

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024.**

**EXPENDITURE
SCHEDULE – I
ALLOWANCES AND HONORORIA**

SI.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Allowances	18,47,12,251	22,92,94,522
2	Bonus	7,25,000	6,60,750
3	Contributory Pension Scheme	2,52,02,367	2,84,41,496
4	Family Benefit Fund	10,00,01,000	-
5	Health Insurance	2,30,976	4,17,640
6	Medical Reimbursement	7,93,332	5,22,959
7	Special Provident Fund-Board's Contribution	5,89,080	3,40,000
8	Travelling Expenses	30,50,925	56,74,076
9	Turn Duty Allowance	600	-
10	Medical Master Health Checkup	-	3,36,000
11	LTC Expense	-	37,021
	TOTAL	31,53,05,531	26,57,24,464

**SCHEDULE – J
RUNNING AND MAINTENANCE OF VEHICLES**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Fuel	98,54,550	1,22,83,340
2	Hire Charges	2,14,77,715	1,89,86,133
3	Insurance	11,33,638	25,88,766
4	Repairs	30,21,889	30,97,807
	TOTAL	3,54,87,792	3,69,56,046

**SCHEDULE – K
MISCELLANEOUS**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Air Ambient Quality Survey Expenses	3,53,32,225	4,37,75,531
2	Advertisement & Publicity	16,14,275	1,10,90,650
3	Appellate Authority Expenses	50,77,460	59,78,422
4	Bank Charges	54,880	39,363
5	Board Meeting / Other meeting Expenses	39,11,247	46,91,347
6	Wages	8,02,93,830	14,53,61,146
7	Contract Salary	71,46,065	1,36,99,547
8	Conveyance Expenses	2,33,342	1,79,704
9	DEE Legal sample	5,17,845	3,10,000
10	Electricity & Water Charges	1,39,70,899	1,93,21,177
11	Entertainment Expenses	44,074	31,967
12	Environment Study Expenses	57,47,371	1,17,74,206
13	Environment Training Institute Expenses	7,32,786	14,568
14	Environmental Pavilion Expenses	1,61,728	-
15	Funding to other Government Departments	68,54,97,476	1,37,35,95,173
16	Honorarium / Sitting Fees	76,500	1,60,000

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024. (Cont.)**

**SCHEDULE – K
MISCELLANEOUS (Cont.)**

17	Insurance of Assets	6,39,428	7,64,731
18	Interest on Performance Guarantee Deposit	27,90,075	-
19	Land Maintenance Expenses	1,46,182	1,92,071
20	National Expo-2022 / Chess Olimpiad Exp.	5,53,48,677	-
21	Newspaper and Periodicals	3,93,534	5,30,969
22	OCMMS Expenses	11,88,249	1,527
23	Office Expenses	29,02,957	37,32,084
24	Other Expenses of Statutory & AG Audit	34,948	-
25	Other Legal Expenses	72,795	4,29,788
26	Pollution Awareness Expenses	8,40,44,137	6,68,62,254
27	Postage Expenses	23,60,058	22,83,730
28	Printing & Stationery	67,54,150	82,06,382
29	Project Management Unit at Secretariat	13,98,885	44,72,343
30	Rent on Buildings	64,97,712	76,09,005
31	Staff Welfare Expenses	73,20,569	55,76,136
32	Property Tax and Rates	28,29,553	33,47,972
33	Sundries	15,98,769	52,93,956
34	Telephone Expenses	23,91,882	22,22,991
35	Trade Fair Expenses	14,81,951	21,39,935
36	Training and Seminar Expenses	46,28,039	8,48,840
37	NAAQM / NAMP Expenses	-	60,000
38	G20 Conference Expenses	-	4,05,53,474
	TOTAL	1,02,52,34,552	1,78,51,50,990

**SCHEDULE – L
FEES**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Consent Fees	2,77,25,92,280	2,75,85,25,001
2	Consent Fees Arrears	14,70,21,890	22,50,56,958
	TOTAL	2,91,96,14,170	2,98,35,81,959

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024. (Cont.)**

**SCHEDULE – M
FEES FROM LABORATORY**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Air Ambient Quality Survey	18,02,50,532	18,75,93,239
2	Analysis Fee	11,74,75,164	12,98,82,768
3	NAAQM / NAMP	2,28,35,368	3,65,28,881
4	Noise Level Measurement		35,000
	TOTAL	32,05,61,064	35,40,39,888

**INCOME
SCHEDULE –N
MISCELLANEOUS**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Appellate Authority Fees	75,500	2,49,115
2	Fees for Right to Information	55,264	71,291
3	Interest on Loans & Advance	9,53,994	5,20,294
4	Miscellaneous Income	68,98,011	34,95,372
5	Bank Interest	-	1,65,284
6	Public Hearing	60,52,013	49,27,102
7	Recovery of Pension	7,30,189	1,06,497
8	Sale of Books	45,615	36,400
9	Tender Application Fees	-	10,000
10	Vehicle Emission Training Fees	-	48,000
11	Interest on Tax Refund	-	7,924
	TOTAL	1,48,10,586	96,37,279

**SCHEDULE FORMING PART OF BALANCE SHEET (LIABILITIES AND INCOME)
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024.**

**LIABILITIES
SCHEDULE –O
OTHER DEPOSITS**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Deposit- Abatement of Pollution	3,29,49,051	5,95,18,197
2	Deposit- Court / NGT	63,59,42,839	70,28,53,444
3	Deposit- Court -Coastal Zone Development	30,00,000	30,00,000
4	Deposit- Court -Environmental Comp,	46,21,03,218	64,77,99,287
5	Deposit- Court -Oil Compensation	72,89,200	72,89,200
6	Deposit- NCAP	22,466	18,51,922
7	Earnest Money Deposit	19,75,161	1,92,83,517
8	Flag Day Collection	10,000	-
9	Miscellaneous Deposits	7,79,143	7,79,143
10	Retention Money Deposits	1,70,707	1,70,707
11	Security Deposits	53,42,328	96,79,799
	TOTAL	1,14,95,84,113	1,45,22,25,216

**SCHEDULE – P
OTHER LIABILITIES**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	GST - Sales	13,790	2,28,076
2	GST (TDS)	2,72,345	3,55,309
3	Outstanding Liability	7,50,62,953	3,62,54,614
4	Pay Roll Liabilities	-	91,70,362
5	Salary Payable	-	3,93,90,911
6	Staff Claim Payable	1,95,398	1,95,398
7	Sundry creditors (Others)	1,00,91,403	1,48,80,470
8	Tax Deducted at Source (Others)	41,877	3,90,346
9	Tax Deducted at Source (Staffs)	-	39,06,384
10	Plastic Awareness Collector Fund	-	18,22,696
11	Journalist's Welfare Board	-	23,109
12	Tax Collected at Source (TCS)	-	14,745
13	Professional Tax	-	1,715
14	Pension Contribution Liability	-	93,72,17,196
	TOTAL	8,56,77,765	1,04,38,51,330

ANNUAL STATEMENT OF ACCOUNTS – 2023-2024**SCHEDULE – Q
INCOME RECEIVED IN ADVANCE**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	AAQS Advance	93,250	-
2	Analysis Advance	12,10,138	8,45,890
3	Cess Fees	1,37,97,985	1,37,97,985
4	Consent Fees Advance	3,22,11,93,832	3,43,27,02,751
	TOTAL	3,23,62,95,205	3,44,73,46,626

**SCHEDULE FORMING PART OF BALANCE SHEET (LIABILITIES AND INCOME)
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024. (Cont.)****ASSETS
SCHEDULE –R
MISCELLANEOUS ADVANCES**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Advance to Suppliers	5,53,26,552	13,25,34,148
2	Interest Receivable	25,16,01,116	24,24,95,511
3	Land Advance	24,35,17,211	2,04,62,468
4	NGT - Receivable	10,54,177	-
5	Rent Advance	28,16,673	33,16,673
	TOTAL	55,43,15,729	39,88,08,800

**SCHEDULE – S
ADVANCES TO STAFF**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Computer Advance	2,23,646	1,37,250
2	Festival Advance	11,65,435	9,71,000
3	Handloom Advance	700	-
4	House Building Advance	3,31,320	-
5	Motor Vehicle Advance	3,87,335	3,99,000
6	Temporary Advance	6,69,013	8,38,561
	TOTAL	27,77,449	23,45,811

**SCHEDULE – T
DEPOSITS**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Customs Deposit	2,95,552	-
2	Electricity Deposit	13,72,178	15,92,748
3	Gas Deposit (Miscellaneous deposit)	43,129	43,129
4	Telephone Deposit	10,29,587	10,29,587
	TOTAL	27,40,446	26,65,464

**SCHEDULE FORMING PART OF BALANCE SHEET (LIABILITIES AND INCOME)
ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 2024. (Cont.)**

**SCHEDULE – U
INVESTMENTS**

SL.NO	DESCRIPTION	2022-2023 Rs.	2023-2024 Rs.
1	Term Deposit - TNSC BANK	-	1,52,60,00,000
2	Term Deposit - Union Bank of India	-	1,00,00,00,000
3	Term Deposit - Canara Bank	-	2,33,80,32,411
4	Term Deposit - Indian Bank	-	1,35,25,92,571
5	Term Deposit - Indian Overseas Bank	-	94,03,00,000
6	Term Deposit - Power Finance	-	6,84,31,33,322
7	Term Deposit - Punjab National Bank	-	1,03,84,00,000
8	Term Deposit - TAICO	-	34,70,07,850
9	Term Deposit - T T D F C	-	2,63,45,23,523
10	Float Deposit- Canara Bank	25,00,09,830	52,97,20,488
11	Float Deposit - Indian Bank	19,94,92,814	21,13,69,121
12	Float Deposit- Indian Overseas Bank	5,89,00,000	43,50,00,000
13	Float Deposit - Punjab National Bank	16,71,70,000	28,20,80,000
14	Total Deposit	16,86,01,86,566	-
	TOTAL	17,53,57,59,211	19,47,81,59,286

**NOTES FORMING PART OF THE ACCOUNTS FOR
THE YEAR ENDED 31STMARCH 2024**

1. Significant Accounting Policies:

1.1 The Back ground:

The Tamil Nadu Pollution Control Board (herein after as “Board”), was established on 27th February 1982 as per section 4 of Water (Prevention and Control of Pollution) Act, 1974, to exercise the powers conferred on and to perform the functions assigned to that Board under this Act. The Board is the regulatory body which enforces the prevention, control of Water, Air, Environment in the state of Tamil Nadu by various acts and rules, as amended from time to time. As per Rule 36 of the Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983 (hereinafter as “Rules”) this Annual Report consisting of Balance Sheet, Income & Expenditure Accounts and Receipts & Payments Accounts (herein after as “Financial Statements” or “Annual Statement of Accounts”) for the Financial Year 2023-24 is being prepared and presented.

1.2 Basis of Accounting:

- a) The financial statements of the Board have been prepared under the historical cost convention in accordance with the Generally Accepted Accounting Principles (GAAP) and as per the Rules, as amended and to the extent applicable.
- b) All financial transactions have been recognized on accrual basis. The preparation of financial statements in conformity with the GAAP requires that the management makes estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent liabilities as at the date of the financial statements and the reported amounts of revenue and expenses during the reported period. The Management believes that the estimates used in the preparation of the financial statements are prudent and reasonable. Future results could differ from those estimates.
- c) The activities of the Board do not fall within any of the ambits of classification of Non-Company Entities issued by the Institute of Chartered Accountants of India and hence the Accounting Standards related to Non-Company Entities are not applicable to the Boards financial statements.

1.3 Use of Estimates

In preparation of financial statements conforming to GAAP requirements certain estimates and assumptions are essentially required to be made with respect to items such as provision for doubtful debts, future obligations under employee retirement benefit plans, income taxes and the

useful life period of Fixed Assets. Due care and diligence have been exercised by the Management in arriving at such estimates and assumptions since they may directly affect the reported amounts of income and expenses during the year as well as the balances of Assets and Liabilities including those which are contingent in nature as at the date of reporting of the financial statements.

To comply with GAAP requirements relating to impairment of assets, if any, the Management periodically determines such impairment using external and internal resources for such assessment. Loss, if any, arising out of such impairment is expensed as stipulated under the GAAP requirements. Contingencies are recorded when a liability is likely to be incurred and the amount can be reasonably estimated. To this extent the results may differ from such estimates.

1.4 Revenue Recognition

Revenue is recognized to the extent that is probable that the economic benefits will flow to the Board and the revenue can be reliably measured.

Revenue from Consent fees for Consent to establish is recognized as and when the same is collected and consent to operate fees is recognized upon raising of demand and collection. Revenue from Consent fees for arrears are recognized on cash basis whenever the collections happen. Revenue from Consent fees received in advance is recognized as income of respective financial years.

Revenue from sampling, analytical charges, service charges, other fees, etc are recognized as and when the same are collected.

Revenue from Interest on investments, earmarked funds and deposits with banks and others are recognized on a time proportion basis taking into account the amount outstanding and the rate applicable.

1.5 Fixed Assets (Property, Plant and Equipment)

Fixed Assets (Property, Plant and Equipment) are stated at the cost of acquisition less accumulated depreciation. The cost of acquisition includes taxes, duties, freight and other incidental expenses related to the acquisition and installation of the respective assets. Depreciation is provided as per provisions of Income Tax Act.

1.6 Impairment

All the fixed assets are assessed for any indication of impairment at the end of each financial year. On such indication, the impairment loss being the excess of carrying value over the recoverable value of the assets, are charged to the Income & Expenditure Account in the respective financial years. The impairment loss recognized in the prior years is reversed in cases

where the recoverable value exceeds the carrying value, upon reassessment in the subsequent years.

1.7 Investments

The Long-Term Investments are carried at cost less provision made for any diminution in carrying value other than temporary. The short-term Investments are carried at lower of cost and fair value.

1.8 Inventories

Inventories consist of Lab chemicals, Glassware, Filter papers and Stores. The inventories are valued at cost, which is arrived under First in first out method.

1.9 Employee Benefits

Gratuity

Gratuity is administered by a TNPCB Employees Gratuity Fund Trust and the fund is managed by the Life Insurance Corporation of India (Pension and Group Scheme Dept.) with effect from 26-03-1992. The contribution to the fund is made based on the Actuarial Valuation made by the LIC of India and the contribution is charged to revenue account of the Board.

Leave Encashment-Earned Leave

Till the financial year 2019-2020, contribution to Earned Leave is provided in the accounts as per Actuarial Valuation. Fixed Deposits are earmarked in the Books and transferred to separate fund account to meet out the liability. During the financial year 2020-2021, TNPCB Employees E.L. Encashment Fund Trust was created and is managing the Earned Leave benefits to the employees. The current financial year cost is paid / provided based on the demand raised by the Trust.

Pension:

Till the financial year 2018-2019, contribution to Pension is provided in the accounts as per Actuarial Valuation. Fixed Deposits are earmarked in the Books and transferred to separate fund account to meet out the liability. Now the TNPCB Employees Pension Fund Trust operated by Trustees as constituted by the Board for payment of Pension / Family Pension on par with Government Servants for the existing Pensioners / Family Pensioners and for future Pensioners / Family Pensioners who has been covered under Old Pension Scheme. The current financial year cost is paid / provided based on the demand raised by the Trust.

1.10 Taxes on Income

The Board has opted exemption u/s 10(46) of the Income Tax Act, which exempts the income tax on the income of the Board. Hence there are no provision for current tax is made for the amount

of tax payable, if any, in respect of taxable income for the year under Income Tax Act, 1961. Also there are no deferred tax assets or liabilities considered necessary to be provided for.

1.11 Foreign Currency Transactions

There are no foreign currency transactions.

1.12 Leases

Lease rental in respect of operating lease arrangements are charged to expense on accrual basis as per the terms of the related lease agreement.

1.13 Provisions, Contingent Liabilities and Contingent Assets

Provisions are recognized when the Board has an obligation as a result of past events and it is probable that an outflow of resources will be required to settle the obligation and the amount can be reliably estimated. Obligations are assessed on an ongoing basis and only those having a largely probable outflow of resources are provided for.

Contingent Liabilities are recognized only when there is a possible obligation arising from past events due to occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Company or where any present obligation cannot be measured in terms of future outflow of resources or where a reliable estimate of the obligation cannot be made then the same is disclosed.

2 Notes on accounts:**2.1 Depreciation:**

Depreciation is provided for as per written down value by applying the following rates as prescribed under the Income Tax Act and Rules.

Sl.No.	Particulars of Assets	Rate of Depreciation
1	Furniture & Fixtures	10%
2	Electrical Installation	10%
3	Building	10%
4	Office Appliances	15%
5	Vehicles	15%
6	Computer	40%
7	Lab Equipment's	40%
8	Library Books	40%
9	Software	40%

2.2 Fixed Assets:

The fixed assets have been physically verified by independent Officers of the Board at regular intervals. There are no deviation between physical verification and actual fixed assets as at the year end.

2.3 Pension:

The Board in its B.P.Ms. No:04 dated 03-02-2019 Read: Board Resolution No:276-3-3, dated 25-01-2019, Resolved for formation of Trust Deed and Rules of TNPCB Employees Pension Fund Trust. Accordingly, a sum of Rs. 3,70,00,00,000/- was transferred to TNPCB Employees Pension Fund Trust during 2019-2020.

The Board, further Resolved to authorize the Chairman, TNPCB to top-up towards the Pension and Earned Leave Encashment Fund whenever required based on the resolutions of the Trustees. A sum of Rs.29,05,88,000/-was transferred to TNPCB Employees Pension Fund Trust during the year 2023-2024. For the current financial year based on the accrual valuation, a provision of Rs.50,87,05,249/- is made towards Pension contribution payable to the Trust.

2.4 Family Security Fund:

The Board in its B.P.Ms.No.26, dated 09-12-2021 Read: Board Resolution No: 285-3-18 dated 30-11-2021 Resolved for Creation of TNPCB Employees Family Security Fund Trust by earmarking Rs.10,00,01,000/- be transferred from the Board's Funds towards Corpus Fund operated by Trustees as constituted by the Board for payment of financial assistance to the deceased family member on par with Government Servants. There is no contribution paid/payable for the current financial year towards Family Security Fund.

2.5 Earmarked Funds:

- a) The Board hitherto created specific funds for Pension, E.L Encashment and Depreciation. The Board has already transferred the amounts set aside for the Pension and E.L Encashment to the respective Trust and hence the earmarked funds are closed during this financial year and corresponding Fund Investment Deposits are aggregated to regular deposits of the Board. Hereafter the contribution shall be accounted for as revenue expenses and the respective trust will deal with the settlement of Pension and E.L Encashment.
- b) The Board was creating specific funds to fund the fixed assets purchases in the form of Depreciation Fund and corresponding Depreciation Fund Investments. The Board has incurred additions to Fixed Assets from the surplus funds available apart from the specific depreciation fund investments. All the Depreciation Fund Investments are aggregated into Term Deposits of the Board and there being no specific Depreciation Fund Investment are now maintained for incurring capital expenditure, the same are

closed. Hereafter any additions to the fixed assets will be met from the Boards regular funds.

- c) The Board is in the process of creating a separate fund of General Provident Fund (GPF) and Contributory Provident Fund Scheme (CPS) to the employees. Separate fund investments are kept to the extent of Rs.78,24,44,126/- relating to these GPF and CPS funds. Once the separate fund trust are in operation these investments shall be transferred to them for the utilization and management of those trust for meeting the obligation of GPF/CPS relating to the employees. The income from these investments are also earmarked to the respective fund accounts

2.6 Consent Fees:

The Board is collecting consent fees from Industries. Since, the necessary information / data pertaining to Industries are available at District Offices, it is unascertainable whether all industries to which the provisions of the Act apply have paid consent fees. The consent fees receivable for those industries/units, who have not yet registered with the Board and raising of demand notice relating to those units are pending. However, when the industry/unit gets registered/make application to the Board, the consent fees is collected from the date the industry/unit is setup/operation. The fees related to the previous period are recognized as Consent Fess arrear and treated as current year income. A sum of Rs.22,50,56,958/- is collected as Consent Fees Arrear and shown as current year income in the Income &Expenditure accounts. In the absence of information of such units, the consent fees receivable from them, if any, are not quantifiable.

2.7 Receivables:

a)Water Cess:

Cess receivable includes disputed amount from the following

Thermal Stations / Local Bodies

Sl.No	Particulars	Amount in Rs.	Amount in Rs.
(i)	Ennore Thermal Power Station.	1,08,80,44,142	
(ii)	North Chennai Thermal Power Station	2,41,72,67,285	
(iii)	North Chennai Thermal Power Station	67,264	
(iv)	Tuticorin Thermal Power Station - II	3,46,11,26,306	
(v)	Other Industries	2,74,57,283	6,99,39,62,280
(vi)	Local Bodies		1,54,24,70,720
	Total		8,53,64,33,000

b) Project Study Receivable:

Rs.16,30,845/- has been paid to various agencies for conducting studies on environment issues. These sums were proposed to be collected from the industries to which the issues related to. However, these sums remain to be collected till date.

c) Amount receivable (Others) Rs.22,76,72,450:

In the year 2018-2019 Rs.20,30,00,000/- has been paid for Eco restoration, protection and conservation work in Pallikaranai Marshland vide G.O.(Ms) No.99 Environment and Forests (FR.5) Department, dated 17-07-2018 is receivable from Principal Chief Conservator of Forests. Balance amount of Rs.2,46,72,450/- are receivable from various others.

d) Position on balance outstanding in Ways & Means advance Payable / Receivable:

The sum of Rs.75.00 crores was received on 31.12.2011 and was disbursed to Noyyal River Acyacutdars Protection Association (NRAPA) Account on 23.01.2012. As per the terms and conditions of the G.O, the Board remitted Rs.15.00 crores to the Govt., as part refund on 22.10.2012. On 01.11.2012 the Hon'ble High Court of Madras quashed the G.O. (Ms). No. 209 Environment and Forests (EC-1) Department dated 31.12.2011 and directed the beneficiaries to refund the sum. Consequent to this the balance sum of Rs.50.90 crores in the Account of NRAPA was remitted to Board. The Board has remitted the balance sum Rs.60.00 crores to the Govt., A balance of Rs.24,07,52,716/- is due from NRAPA, which is shown as recoverable.

The Board is following up with the above Industries/Units for the recovery of the arrears and considering the possibility of recovery, the above amounts are shown as recoverable in the normal course. Any doubtful of recovery of those items are not ascertained and provision required, if any, for doubtful recovery is not considered.

2.8 Income tax exemption:

The Board's income has been notified as exempt u/s10(46) for assessment years from 2019-20 to 2023-24 vide GOI Gazette Notification No.58/2018 dated 26-09-2018. For the Assessment Year 2024-25 relevant to the financial year 2023-24, the Board has applied for the exemption from tax under section 10(46A), a new section notified in the Income Tax Act. The exemption notification is not yet issued by the CBDT, however considering the previous year orders and as per section 10(46A) of the Income Tax Act, the Board has not provided any Tax on income in the financial statement for the income of current financial year 2023-24. Pending Notification exempting the Board's Income u/s 10(46A), the provision for tax for current financial year 2023-24 is not provided for in the books.

2.9 Internal Audit and Internal Control System in place:

There are no Internal Audit function operating for the period under review, either in house or outsourced. Hence the internal audit is not adequate and not commensurate with the nature and size of the Organization. In view of this, the effectiveness of internal control, checks and balances thereof including implementation of Rules and Policies cannot be ascertained.

The Internal Audit function either in-house or outsourced should be established to conduct the internal audit functions regularly and the Internal Audit Report should be furnished each year to the appropriate authorities. Further, the post of Senior Manager (F&A) being a qualified Chartered Accountant is vacant for more than seven years, may have to be filled up.

2.10 Confirmation of balances:

For EMD/RMD/SD/Court, etc., Sundry Creditors, Advances to Suppliers, Deposits, Project study receivable, other receivables, obtaining of confirmation of balances are pending. The recoverability or otherwise of the amounts relating to these heads are subject to the outcome of settlement/payment/receipt and any excess/shortfall and provision to be made, if any, are not quantifiable. However, the Board is of the view that these amounts shall be recoverable/settled at the values stated.

2.11 Cess:

Consequent to implementation of the Goods and Services Tax Act, 2017 with effect from 01-07-2017, the Water Cess is subsumed Vide Ministry of Environment Forest & Climate Change, (MOEF& CC) Government of India, New Delhi's Letter No. Q-17015/4/2016-CPW, Dated 25-05-2017. The Board need not raise demand / collect Water Cess from industries and Local Bodies with effect from 01-07-2017. Out of the Cess collected and remitted to MOEF & CC, i.e., made prior to 01-07-2017, a total sum of Rs.13,27,79,941/- being 80% of reimbursement is due to be released by the MOEF & CC.

2.12 Land Advances:

In the year 2022-23, a sum of Rs.19,67,38,540/- has been paid to the Tahsildar, Guindy for purchase of land from King Institute, Chennai and advance paid in the earlier years amounting to Rs.2,63,16,203/- which is capitalized as cost of Land under Fixed Assets during the year considering the assets are registered/titles transferred in the name of the Board.

2.13 Advance to Suppliers:

A total sum of Rs. 13,22,02,268 /- has been paid as Advance to Suppliers for purchase of assets / other expenditure and is pending for adjustment.

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2.14 Position under Income Tax Act, 1961:

The Board's income has been assessed for the AY 2009-10, 2010-11, 2011-12 and 2012-13 against the NIL income filed by it in response to the notice served u/s 148 of the Income Tax Act. The income tax payable with interest as per demand revised u/s154, tax paid thereon and appeal, refund due is furnished hereunder:

Assessment Year	Order Date	Original IT demand	Revised IT after rectification u/s154	Amount remitted till date	Appeal filed on
2009-2010	31-03-2016	16,18,50,415	13,85,99,044	2,07,89,857	28-04-2016
2010-2011	31-03-2016	58,38,11,570	54,55,28,843	8,18,29,326	28-04-2016
2011-2012	25-03-2015	79,81,61,770 80,000	41,77,67,094 80,000	10,00,00,000 plus, TDS of 1,20,13,110	28-10-2015
2012-2013	31-03-2016	30,36,35,459	25,27,61,641	3,79,14,246	28-04-2016
Refund of TDS Adjusted					
09-03-2018				9,720	
26-03-2018				14,250	
Amount Remitted to ACIT Chennai on 20-03-2018 as per Court Direction.				20,00,000	
Amount Remitted to ACIT Chennai on 03-05-2018 as per Court Direction				20,00,000	
TDS Adjustment by TANGEDCO:					
2017-2018				12,035	
2018-2019				8,500	
TDS Adjustment by Canara Bank				69,44,324	
2018-2019 TDS Adjustment by Power Finance				5,49,265	
Tax refunded during 2021-22				(7,158)	
Tax refunded during 2022-23				(30,070)	
Tax refunded during 2023-24				(1,13,265)	
TDS Deducted during 2023-24				9,97,19,706	
Total		184,75,39,214	135,47,36,622	36,36,53,846	

The Appeals filed with Commissioner of Income Tax (Appeal) Chennai were dismissed in December 2017 and subsequently second level appeal with Income Tax Appellate Tribunal

(ITAT) was filed on 28-02-2018. All the 5 appeals are partly allowed for statistical purposes by ITAT and Ordered vide Tribunal order dated 11-11-2019 as “In the interest of the natural justice, the issues in the appeals of the Assesses are restored to the file of the Assessing Office for re-adjudication after considering the directions issued by the Hon’ble Jurisdictional High Court in the W.P. No: 6281 of 2019 filed by TNPCB”. The giving effect order for the ITAT order is passed by the Assessing Officer on 22-01-2021, accepting the exempt u/s 10(46) and the taxable income at Rs. NIL for each of the above years. However, the refund on the above due to the Board is not yet released by the IT Department. The Board is following the refund

2.15 Building under Construction:

A total sum of Rs.30,14,02,732/- is shown as work in progress to be capitalized till the financial year 2022-23. Out of this a sum of Rs.3,14,22,647 is capitalised as Building, considering the assets have already been put to use and occupied by the Board. The depreciation of these assets is provided for as per the policy of the Board on Depreciation. Further during this year further advance paid to the extent of Rs.2,25,77,353/- is accounted for as Capital Work in progress under Building under construction. The closing balance as the year end is Rs. 32,39,80,085/- for which the construction/handing over/occupation/completion certificates are pending and hence these are shown as Works under Assets.

2.16 Contingent Liability:

A sum of Rs.7,63,25,790/- as quarterly interest is payable up to 31-03-2013 as per G.O.(Ms). No.209 Environment and Forests (EC-1) Department dated 31-12-2011. The Board has written to the Government for waiver of interest @ 12.00% & penal interest @ 2.50% in respect of Noyyal project, considering the favorable reply from the Government, the provisions for interest has not been provided for in the financials.

2.17 Bank Balances:

There are some of the fees received from parties have been deposited with the banks, which are not yet given credit by the banks for want of details and some of the cheques issued are not presented for payments by the payees and considering the long outstanding the same are treated as Miscellaneous income/expenses to the extent of Rs.1,58,688/-(net).

2.18 Other Scheme outstandings:

There are outstanding liabilities to the extent of Rs.3,70,28,420/- relating to subsidy for common effluent treatment plants environmental education fund, emergency response center, schemes, sponsorship for schemes. These items are outstanding for long time and any repayment or other adjustments to be made, depends on the closure/disbursement of those schemes. Pending the adjustment/repayment these items are shown as liabilities.

2.19 Funds to other projects:

Based on the various Government Orders, funds were released for various projects. In this connection, the Completion Certificate / Utilization Certificate have to be obtained in respect of: Eco Restoration projects Rs.38.67 Crores, Amma Eco park Rs. 4 Crores, CUBE -IIT Rs.3 Crores, Tree Plantation (Rs.6.80 Crores), Urban Arboretum in Greater Chennai Corporation (Paid to District Forest Officer, Chennai Forest Division) (Rs.1.39 Crores).

2.20 Funding to Other Government Departments:

Based on the various Government Orders issued from time to time a total sum of Rs.1,37,35,95,173/- was issued to various Government Departments and charged as Revenue Expenditure. Obtaining of completion/utilization certificates from the respective recipients are still pending.

2.21 TDS payments:

There are TDS default for late filing, short deduction and interest on delay in filing total amounting to Rs.7,45,705/- as per the Income Tax Portal, which is under reconciliation with the IT Department and any amount payable will be considered once the outstanding demands are finalized.

2.22 Stock in hand:

The Stock in hand consists of lab chemicals, glassware, filter paper, and stores held by respective Units and HO. These items are valued at Cost and the cost formula used under First in first out method. The value of inventory as at the yearend is as certified by the management.

2.23 COURT DEPOSITS:

The Board has collected deposits as per the Court Orders to meet the expenses of respective units related to the issues on which the court has ordered and these collection of court deposits are shown as liabilities. The completion of implementation of orders of the court, spending for relevant items of court matters and any excess/short on a particular deposit to be adjusted against the respective expenditure are pending. Once the specific court deposit related project is completed the excess or short will be collected/refunded/adjusted as per court directions.

2.24 Investment in Deposits:

The surplus funds have been deposited with Banks, Institutions, etc. Till previous year the deposits along with Earmarked deposits are held in aggregate, the breakup of same was not given. Now the earmarked fund investment relating to Gratuity, EL, etc. have been transferred to respective Trust, the balances as at the year-end is disclosed bank/institution wise.

2.25 Investment in shares:

The Board has invested in the Equity Shares of Tamil Nadu Green Climate Company, a section 8 company, as per G.O.101, Environment, Climate Change and Forest (EC2) Department dt.3-11-2012 being 49% of the Company. The subscription is 24500 Equity Shares of Rs.1000/- each amounting to Rs.2,45,00,000/- lakhs. The diminution in value of investment, if any, is considered to be temporarily and the investments are held as long term, the diminution in value is not provided for.

2.26 Previous year figures:

The Previous year figures have been regrouped or rearranged to confirm with current year classification.

J.Padma Malini.,
Financial Adviser

R.Kannan.M.Tech.,
Member Secretary

Dr.Jayanthi.M.I.F.S.,
Chairperson

As per our Report of Even Date
For M/s V. KALASELVI & CO LLP
CHARTERED ACCOUNTANTS
Firm Regn.No: 006147S/S200044

V.KALASELVI

Partner

Membership No: 200474

Place: Chennai

Date:13.12.2024



தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்
Tamil Nadu Pollution Control Board