

ANNUAL REPORT and ANNUAL ACCOUNTS

2021-2022



TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai-600 032.

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PART-I
ANNUAL REPORT – 2021-2022

CHAPTER - I

INTRODUCTION

1.1 INTRODUCTION

Under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6), the 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). The notification was issued in the Tamil Nadu Government Gazette on 27th February 1982 and the Board came into existence on the same day. Subsequently, after framing the Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983, the Board was renamed as “Tamil Nadu Pollution Control Board (TNPCB)”. The TNPCB functions under the overall administrative control of the Environment, Climate Change and Forest Department of Tamil Nadu.

The TNPCB is a regulatory body, enforces the following Acts, Rules and Notifications as amended, in the entire 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 thereunder, 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 Batteries (Management and Handling) Rules, 2001.
 - 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 Plastic Waste Management Rules, 2016.
 - The E-Waste Management Rules, 2016.
 - The Construction and Demolition Waste Management Rules, 2016.

I. INTRODUCTION

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;
- 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;

I. INTRODUCTION

- 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.

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 2021-2022 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; Provided that the Chairman may be either whole-time or part-time as the State Government may think fit. *[As per the orders of the Hon'ble Supreme Court of India in C.A.No.1359/2017, dated 22.09.2017, the Government (Vide G.O.Ms.No.45, Environment and Forests (EC.2) Department, dated 13-05-2019, notified the Rules called "The Appointment of Chairman and Member Secretary of the Tamil Nadu Pollution Control Board Rules, 2019", specifying the qualification and experience required for the posts of Chairman and Member Secretary.]*
- (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 01-04-2021 to 31-03-2022

Sl. No.	BOARD MEMBERS	Position	From	To
1	Thiru. A.V. VENKATACHALAM, I.F.S., Chairman Tamil Nadu Pollution Control Board, Guindy, Chennai – 600 032.	Chairman	01.04.2021	23.09.2021
2.	Tmt.SUPRIYA SAHU, I.A.S., Additional Chief Secretary to Government, Environment, Climate Change and Forest Department, Fort St. George, Secretariat, Chennai – 600 009.	Chairman (a/c)	25.09.2021	25.10.2021

II. CONSTITUTION OF THE BOARD

Sl. No.	BOARD MEMBERS	Position	From	To
3.	Thiru A.UDHAYAN, I.F.S., Chairman Tamil Nadu Pollution Control Board, Guindy, Chennai – 600 032.	Chairman	25.10.2021	31.03.2022
4	Dr. SANDEEP SAXENA, I.A.S., Additional Chief Secretary to Government, Water Resources Department Fort St. George, Secretariat, Chennai – 600 009.	Member	01.04.2021	24.05.2021
5.	Tmt.SUPRIYA SAHU, I.A.S., Additional Chief Secretary to Government, Environment and Forests Department, Fort St. George, Secretariat, Chennai – 600 009.	Member	25.5.2021	31.03.2022
6	Tmt. REETA HARISH THAKKAR, I.A.S, Special Secretary to Government, Finance Department, Secretariat, Fort St. George, Chennai – 600 009.	Member	01.04.2021	31.12.2021
7.	Thiru. G.K ARUN SUNDAR THAYALAN,I.A.S., Joint Secretary to Government, Finance Department, Secretariat, Fort St. George, Chennai – 600 009.	Member	01.01.2022	31.03.2022
8	Thiru. B. GANESAN, I.A.S., Director, Directorate of Town and Country Planning, 2 nd , 3 rd and 4 th Floor, C&E Market Road, Koyambedu, Chennai – 600 107.	Member	01.04.2021	15.06.2021
9	Thiru A.SARAVANAVELRAJ, I.A.S., Director, Directorate of Town and Country Planning, 2 nd , 3 rd and 4 th Floor, C&E Market Road, Koyambedu, Chennai – 600 107.	Member	16.06.2021	31.03.2022
10	Thiru. NEERAJ MITTAL, I.A.S., Managing Director & C.E.O Tamil Nadu Industrial Guidance and Export Promotion Bureau, Prestige Polygon Towers, 11th Floor No.471, Anna Salai, Rathna Nagar, Teynampet, Chennai-600 035	Member	01.04.2021	11.07.2021
11	Tmt. POOJA KULKARNI, IAS, Managing Director & C.E.O Tamil Nadu Industrial Guidance and Export Promotion Bureau,Prestige Polygon Towers, 11th Floor No.471, Anna Salai, Rathna Nagar, Teynampet, Chennai-600 035.	Member	12.7.2021	31.03.2022
12	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	01.04.2021	30.06.2021
13	Thiru K.JAGATHESAN, M.E., Director (FAC) Directorate of Industrial Safety and Health, T.S.No.47/1, SIDCO Industrial Estate, Guindy, Chennai – 600 032.	Member	01.07.2021	31.03.2022

II. CONSTITUTION OF THE BOARD

Sl. No.	BOARD MEMBERS	Position	From	To
14	Dr. T.S. SELVAVINAYAGAM, M.D.,DPH,DNB., Director of Public Health and Preventive Medicine, Chennai – 600 006.	Member	01.04.2021	31.03.2022
15	Dr. S.SELVAN, M.E, M.B.A., Ph.D., Member Secretary,(I/c) Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy,Chennai – 600 032.	Member Secretary	01.04.2021	29.07.2021
16	Thiru.R.KANNAN, M.Tech., Member Secretary,I/c., Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy,Chennai – 600 032.	Member Secretary	29.07.2021	04.01.2022
17	Thiru.R. VIJAYABASKARAN, M.E., M.B.A., Member Secretary,I/c., Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy,Chennai – 600 032.	Member Secretary	04.01.2022	21.02.2022
18	Thiru.R.KANNAN, M.Tech., Member Secretary,I/c., Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai – 600 032.	Member Secretary	21.02.2022	31.03.2022
19	Tmt. H.PRABHAVATHY, B.E., General Manager (Project) SIPCOT, 194, Marshall Road, Chennai – 600 008.	Member	01.04.2021	31.03.2022
20	Thiru. K. DAKSHINAMOORTHY, 1/23, Chinnapuliur, Ezhavamalai Post, Bhavani Taluk, Erode 638 316.	Non-Official Member	01.04.2021	31.03.2022
21	Thiru. A. ALAGARASAN, B.Sc., 78, Sabapathi Street, Kalarampatti, Erumapalayam Post, Salem 636 115.	Non-Official Member	01.04.2021	31.03.2022
22	Thiru N. TAMILMANI, BA., 4/23, Ammapalayam, S. Attiyampatti Post, Mallur via, Salem 636 203.	Non-Official Member	01.04.2021	31.03.2022

2.2 ORGANISATIONAL SET UP

2.2.1 Head Office

The organization structure of the TNPCB is a three-tier system, consisting of a Head Office, Zonal Offices and District Offices (Organization Chart is in Annexure-I). The Head Office is located at Chennai and is headed by the Chairman of the Board. The Member Secretary is the Executive Head and is vested with powers as defined for the Board/Chairman. Functional divisions of the Head Office spread as Planning and Development Wing, Board Meeting Wing, Personnel and Administration Wing, Technical Wing, Finance and Accounts Wing besides Internal Audit Wing, Legal Wing, Construction Wing, Laboratory, Complaint Redressal Cell and Computerized Online Monitoring Section. The Head of these sections are senior officers and they report to the Chairman through the Member Secretary.

II. CONSTITUTION OF THE BOARD

2.2.2 Zonal and District Offices

There are 8 Zonal Offices headed by Joint Chief Environmental Engineers (Monitoring) at Chennai, Vellore, Cuddalore, Salem, Coimbatore, Trichy, Madurai, Tirunelveli and there are 38 District Offices headed by District Environmental Engineers. Details of the Zonal Offices and District Offices falling under the jurisdiction are as follows:

Sl. No.	Zonal Offices, O/o. JCEE (M)	Jurisdiction Offices, O/o. District Environmental Engineer
1	Chennai First Floor, 950/1, Poonamallee High Road, Arumbakkam, Chennai – 600 106.	(1) Ambattur 77-A, South Avenue Road, Ambattur Industrial Estate, Ambattur Taluk, Thiruvallur District, Chennai – 600 058.
		(2) Chennai First Floor, 950/1, Poonamallee High Road, Arumbakkam, Chennai – 600 106.
		(3) Gummidipoondi 88A, First Cross Road, SIPCOT Industrial Complex, Gummidipoondi - 601201.
		(4) Maraimalai Nagar Maraimalai Adigalar Street, Next to Municipal Office, Maraimalai Nagar, Chennai – 603 209.
		(5) Sriperumbudur No.CP-5B, SIPCOT Industrial, Growth Centre Vandalur, Wallajahbad Road, Oragadam, Sriperumpudur Taluk, Kanchipuram Dis-602105
		(6) Tiruvallur Master plan complex, Adjacent to sub Treasury Near Tollgate, Tiruvallur-602001.
2	Vellore Auxilium College Road, (Opposite to Auxilium College) Gandhi Nagar, Vellore – 632 006.	(7) Dharmapuri SF.No.415/1, Adhiyaman Kottai - Hosur Bypass Road, A.Reddihalli village, Dharmapuri Taluk, Dharmapuri District - 636 809.
		(8) Hosur Plot No.:140A, SIPCOT Industrial Complex, Hosur – 635 126.
		(9) Thiruvannamalai Collectorate Master Plan Complex, Venkikal, Thiruvannamalai District -606 604.
		(10) Vellore Auxilium College Road, (Opposite to Auxilium College) Gandhi Nagar, Vellore – 632 006.
		(11) Villupuram District Collectorate Master Plan Complex, Back side of Taluk office, Villupuram – 605 602.
		(12) Vaniyambadi 392, Plot No.PP2, SIDCO Industrial Estate, Vaniyambadi – 635 751.
3	Salem No.9, 4 th Cross Street, Brindhavan Road, Fairlands, Salem – 636 016.	(13) Erode CMP Plot, SIDCO Industrial Estate, Chennimalai Road, Erode – 638 001.
		(14) Karur S.F.No.654 part, 655 Part, L.N.S.Village, L.G.B.Nagar, Arivuthirukkovil Road, Karur-639002.
		(15) Kumarapalayam No. 298/A, Salem Main Road, Thiruvaluvar Nagar, Kumarapalayam Namakkal District – 638183
		(16) Namakkal Collectorate Campus, Near Tamil Nadu Civil Supply Corporation, Namakkal – 637 003.

II. CONSTITUTION OF THE BOARD

Sl. No.	Zonal Offices, O/o. JCEE (M)	Jurisdiction Offices, O/o. District Environmental Engineer
		<p>(17) Perundurai Plot No.: J-2(W), SIPCOT Industrial Growth Centre, Near SIPCOT Project Office, Perundurai – 638052</p> <p>(18) Salem Siva Tower, Post Box No.: 457, No.: 1/276, Meyyanur Main Road, Salem – 636 004.</p>
4	<p>Coimbatore Plot No.E-55A, SIDCO Industrial Estate, Pollachi Main Road, Kurchi, Coimbatore – 641 021.</p>	<p>(19) Coimbatore (North) No.5, Ramasamy Nagar, Near Fire Service Station, Kavundampalayam, Coimbatore – 641 030.</p> <p>(20) Coimbatore (South) Plot No.: E-55A, SIDCO Industrial Estate, Pollachi Main Road, Kurchi, Coimbatore – 641 021.</p> <p>(21) Ooty Additional Collectorate Building, Block-II Finger Post, The Nilgiris – 643005</p> <p>(22) Tiruppur (North) Kumaran Complex, Kumaran Road, Tiruppur – 641 601.</p> <p>(23) Tiruppur (South) 12A, Pollachi By-Pass Road, Palladam, Tiruppur – 641 664.</p>
5	<p>Trichy No.: 25, Developed Plots, Thuvakudy, Trichy – 620 015.</p>	<p>(24) Ariyalur SF.No.4/326, Trichy Main Road, Keelapalur Village, Ariyalur Taluk, Ariyalur District - 621 707</p> <p>(25) Pudukottai SIPCOT Industrial Complex, Thiruvengaivasal, Pudukkottai – 622 002.</p> <p>(26) Thanjavur Plot No.: 23, T.S. No.: 3303/1, SIDCO Industrial Complex, Nanchikottai Salai, Opposite to Ulavar Santhai, Thanjavur – 613 006.</p> <p>(27) Trichy No.: 25, Developed Plots, Thuvakudy, Trichy – 620 015.</p>
6	<p>Madurai SIDCO Industrial Estate, Kappalur, Thirumangalam Taluk, Madurai – 625 008.</p>	<p>(28) Dindigul Collectorate Complex, Dindigul – 624 004.</p> <p>(29) Madurai SIDCO Industrial Estate, Kappalur, Thirumangalam Taluk, Madurai – 625 008</p> <p>(30) Ramanathapuram 1/880, Sait Ibrahim Nagar 1st street, Bharathi Nagar South, Ramanathapuram – 623 504</p> <p>(31) Sivagangai Collectorate Complex, Sivagangai – 630561.</p> <p>(32) Theni SAR Complex, Door No.15/4, 12A/3, Back to National Theatre, Theni District – 625 531.</p>
7	<p>Tirunelveli Tamil Nadu Pollution Control Board, Plot No.: 30/2, SIDCO Industrial Estate, Pettai, Tirunelveli – 627010</p>	<p>(33) Nagercoil No. 318/46A, Water Tank Road, Nagercoil, Kanyakumari District – 629 001</p> <p>(34) Tirunelveli 30/2, SIDCO Industrial Estate, Pettai, Tirunelveli – 627 010.</p> <p>(35) Thoothukudi C7 & C9, SIPCOT Industrial Complex, Meelavittan, Thoothukudi – 628 008.</p>

II. CONSTITUTION OF THE BOARD

Sl. No.	Zonal Offices, O/o. JCEE (M)	Jurisdiction Offices, O/o. District Environmental Engineer
		(36) Virudhunagar No. 23, Master Plan Area, Sathur Road, Collectorate, Virudhunagar – 626 002.
8	Cuddalore Tamil Nadu Pollution Control Board, Plot No.A-3, SIPCOT Industrial Complex, Kudikadu, Cuddalore- 607005.	(37) Cuddalore Plot No.A-3, SIPCOT Industrial Complex, Kudikadu, Cuddalore – 607 005.
		(38) Nagapattinam, District Collectorate, Master Plan Complex, Nagapattinam-611 001.

In addition to the above, there are 5 Flying Squads headed by the Environmental Engineers functioning at Tiruppur, Erode, Chennai, Salem and Vellore for effective monitoring of the Effluent Treatment Plants (ETPs) / Common Effluent Treatment Plants (CETPs) / Zero Liquid Discharge (ZLD) Systems and protect the water bodies from pollution.

Sl. No.	Address
1	Flying Squad Tiruppur, Tamil Nadu Pollution Control Board, 16, Rayapuram East Street, Tiruppur – 641601.
2	Flying Squad Erode, Tamil Nadu Pollution Control Board, CMP Plot, SIDCO Industrial Estate, Chennimalai Road, Erode – 638 001.
3.	Flying Squad Chennai, Tamil Nadu Pollution Control Board, 3 rd Floor, 950/1, Poonamallee High Road, Arumbakkam, Chennai – 600 106.
4.	Flying Squad Salem, Tamil Nadu Pollution Control Board, No.9, 4 th Cross Street, Brindhavan Road, Fairlands, Salem – 636 016.
5.	Flying Squad Vellore, Tamilnadu Pollution Control Board, Auxilium College Road, (Opposite to Auxilium College) Gandhi Nagar, Vellore - 632 006.

Further, Assistant Environmental Engineer Offices are formed at the following locations for monitoring the industries in an effective manner.

Sl. No.	Address
1.	Manali, TamilNadu Pollution Control Board, No.33/80,1st Main Road, Ramakrishna Nagar,Ernavoor,Chennai-600057
2.	Mettur Tamil Nadu Pollution Control Board,No.708, Block No.25, Ward-B, Beard Shell Garden,Adhiparasakthi Kovil Street, Mettur Dam,Mettur, Salem District-636401
3. .	Ranipet Tamil Nadu Pollution Control Board, No.5/169A, Kambar Street, Bharathi Nager, Ranipet-632403

II. CONSTITUTION OF THE BOARD

2.2.3 Laboratories

TNPCB has established 16 Laboratories at two levels viz. Advanced Environmental Laboratories (AELs) and District Environmental Laboratories (DELs) to assist the Board in monitoring the Industries viz., Ambient Air & Water Quality of the State.

Sl. No.	Location of Laboratory	Districts covered	Analytical Facilities Available
Advanced Environmental Laboratories (AEL)			
1	Chennai 76, Mount Salai, Guindy, Chennai-600 032.	Chennai, Ambattur, Sriperumbudur	Analytical Balance, AOX Analyser, Atomic Absorption Spectrophotometer with Graphite furnace, Bacteriological Incubator, BOD Incubator, CO Analyser, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, FTIR, Gas Chromatograph, ICP-MS, Mercury Analyser, Muffle Furnace, Ozone Analyser, pH Meter, Respirable Dust Sampler PM ₁₀ , Rotary Evaporator, Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, Turbidity meter, UV Visible Spectrophotometer, VOC Analyser, Wind monitoring Kit.
2	Coimbatore No.5, Ramasamy Nagar, Koundampalayam Coimbatore- 641030.	Coimbatore and Nilgiris	Analytical Balance, Atomic Absorption Spectrometer with Graphite furnace, Automatic Weather Station, BOD Incubator, CO Analyser, COD Digester, Conductivity Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Micro Balance, Ozone Analyser, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, UV Visible Spectrophotometer, Zero Head space Extractor Filtration System.
3	Cuddalore Plot No. A3, SIPCOT Industrial Complex, Kudikadu, Cuddalore - 607 005	Cuddalore, Villupuram, Nagapattinam, Mayiladuthurai and Thiruvarur.	Analytical Balance, Atomic absorption Spectrometer with Graphite furnace, BOD Incubator, CO Analyser, COD Digester, Conductivity Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Humidity Chamber, Micro Balance, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, UV Visible Spectrophotometer.
4	Madurai SIDCO Industrial Estate, Kappalur, Thirumangalam Taluk, Madurai - 625008	Madurai, Sivagangai, Virudhunagar, Ramanathapuram	Analytical Balance, Atomic absorption Spectrometer with Graphite furnace, Autoclave, Bacteriological Incubator, BOD Incubator, CO Analyser, COD Digester, Conductivity Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Muffle Furnace, Ozone Analyser, pH Meter, Respirable Dust Sampler PM ₁₀ , Semi Micro Balance, Sound Level Meter, Stack Monitoring Kit, Top Pan Balance, Total Kjeldhal Nitrogen Analyser, Turbidity Meter, UV Visible Spectrophotometer, Zero Head Space Extractor.
5	Salem Siva Tower, 1/276, Meyyanur Main Road, Salem – 635 004.	Salem, Erode, Namakkal, and Dharmapuri	Analytical Balance, Atomic Absorption Spectrophotometer with Graphite furnace, Bacteriological Incubator, BOD Incubator, CO Analyser, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} Sampler, Flame Photometer, Flue Gas Analyser, Muffle Furnace, Ozone Analyser, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Sampler, Total Kjeldhal Nitrogen Analyser, Turbidity Meter, UV Visible Spectrophotometer, VOC Analyser.

II. CONSTITUTION OF THE BOARD

Sl. No.	Location of Laboratory	Districts covered	Analytical Facilities Available
6	Vellore Auxilium College Road, Gandhi Nagar, Vellore – 632 006	Vellore, Vaniyam- badi, Tiruvanna- malai	Analytical Balance, Atomic Absorption Spectrophotometer with Graphite furnace, BOD Incubator, Centrifuge, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate sampler PM _{2.5} , Flame Photometer, Flue Gas Analyser, Gas Chromatograph, Micro Balance, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Top Pan Balance, Total Kjeldhal Nitrogen Analyser, UV Visible Spectrophotometer,
7	Trichy 25, Developed Plots, Thuvakkudi, Trichy – 620 015.	Trichy, Pudukottai, Thanjavur, Ariyalur	Analytical Balance, Atomic Absorption Spectrophotometer with Graphite furnace, Bacteriological Incubator, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Flue Gas Analyser, Gas Chromatograph, Micro Balance, pH Meter, Centrifuge, Respirable Dust Sampler PM ₁₀ , Rotary Evaporator, Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, UV Visible Spectrophotometer.
8	Tirunelveli 30/2, SIDCO Industrial Estate, Pettai, Tirunelveli – 627 010.	Tirunelveli, Nagercoil	Analytical Balance, Atomic Absorption Spectrophotometer with Graphite furnace, Autoclave, Bacteriological Incubator, BOD Incubator, Centrifuge, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Gas Chromatograph, Micro Balance, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Top Pan Balance, Total Kjeldhal Nitrogen Analyser, Turbidity Meter, UV Visible Spectrophotometer.
District Environmental Laboratories (DEL)			
9	Ambattur 77 A, South avenue road, Ambattur Industrial Estate, Ambattur, Chennai- 600 058.	Tiruvallur	Analytical Balance, Bacteriological Incubator, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Semi Micro Balance, Sound Level Meter, Stack Monitoring Kit, Turbidity Meter, UV Visible Spectrophotometer.
10	Dindigul Collector office Complex, Dindigul– 624 004.	Dindigul, Theni, Karur	Analytical Balance, Bacteriological Incubator, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Flame Photometer, Micro Balance, Muffle Furnace, pH Meter, Fine Particulate Sampler PM _{2.5} , Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Turbidity Meter, UV Visible Spectrophotometer.
11	Hosur 149-A, SIPCOT Complex, Near Dharga, Hosur 635126.	Krishnagiri and Dharmapuri	Analytical Balance, Bacteriological Incubator, BOD incubator, COD digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Gas Chromatograph, Micro Balance, Microwave Digester, Muffle Furnace, Orion Analyser, pH Meter, Centrifuge, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, Top Pan Balance, Turbidity Meter, UV Visible Spectrophotometer, Wind Monitoring Kit.

II. CONSTITUTION OF THE BOARD

Sl. No.	Location of Laboratory	Districts covered	Analytical Facilities Available
12	Manali 950/1 Poonamallee High Road, Arumbakkam Chennai-600106.	Chennai and Tiruvallur	Analytical Balance, BOD Incubator, COD Digester, pH Meter, Conductivity Meter, Flame Photometer, Flue Gas Analyser, Muffle Furnace, Fine Particulate Sampler PM _{2.5} Sampler, RDS Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Top Pan Balance, Total Kjeldhal NitrogenAnalyser, UV Visible Spectrophotometer, VOC Analyser.
13	Maraimalai Nagar Maraimalai Adigalar Street, Near MM nagar Municipality, Kancheepuram Dist. PIN-603 209	Chengalpattu	Analytical Balance, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Flame Photometer, Fine Particulate Sampler PM _{2.5} , Micro Balance, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Stack Monitoring Kit, Top Pan Balance, Total Kjeldhal Nitrogen Analyser, UV Visible Spectrophotometer, VOC Analyser.
14	Thoothukudi C7-C9, SIPCOT, Industrial Complex, Meelavittan Village, Thoothukudi PIN-628 008	Thoothu-kudi	Analytical Balance, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Flue Gas Analyser, Micro Balance, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Sound Level Meter, Total Kjeldhal Nitrogen Analyser, Turbidity Meter, UV Double Beam Spectrometer, Wind Monitoring Kit.
15	Tiruppur Kumaran Commercial Complex, 2 nd Floor, Kumaran Road, Tiruppur – 641 601.	Tiruppur and Erode	Analytical Balance, Autoclave, Atomic Absorption Spectrophotometer with Graphite furnace, BOD Incubator, Conductivity Meter, Dissolved Oxygen Meter, Flame Photometer, Fine Particulate Sampler PM _{2.5} , Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Semi-Micro Balance, Sound Level Meter, UV Visible Spectrophotometer, Stack Monitoring Kit.
16	Perundurai No.J2 (W) near SIPCOT Arch, Kovai Main Road, Olap-palayam PO, Perundurai - 638 052.	Erode	Analytical Balance, Atomic Absorption Spectrophotometer with Graphite furnace, BOD Incubator, COD Digester, Conductivity Meter, Dissolved Oxygen Meter, Fine Particulate Sampler PM _{2.5} , Flame Photometer, Flue Gas Analyser, Muffle Furnace, pH Meter, Respirable Dust Sampler PM ₁₀ , Semi-Micro Balance, Stack Monitoring Kit, Total Kjeldhal Nitrogen Analyser, Turbidity Meter, UV Visible Spectrophotometer.

The AELs at Chennai, Coimbatore, Cuddalore, Madurai and Salem have got NABL (National Accreditation Board for Testing and Calibration Laboratories) accreditation as per ISO / IEC 17025:2017. During the year 2021-2022, 28,819 samples of water, sewage and trade effluents were collected and analysed. Stack monitoring and ambient air quality survey was conducted in 1333 units. Laboratory wise details are given in Annexure-II.

II. CONSTITUTION OF THE BOARD

2.3 DETAILS OF STAFF STRENGTH

The TNPCB is functioning with 1037 Sanctioned Posts including Engineers, Scientists, Administration, Accounts and Miscellaneous Staffs.

Details of staff strength as on 31.03.2022 are given below:

Sl. No.	Designation	Sanctioned Post	Filled Post	Vacant Post
1	Chairman	1	1	-
2	Member Secretary	1	1	-
3	Engineering Service	287	166	121
4	Engineering Subordinate Service	12	6	6
5	Scientific Service	126	46	80
6	Scientific Subordinate Service	90	57	33
7	General Service	42	22	20
8	General Subordinate Service	386	238	148
9	Miscellaneous Services	11	0	11
10	Basic Services	79	11	68
11	Deputation Post (Director Labs & F.A.)	2	1	1
	Total	1037	549	488

The details with regard to compassionate ground appointment, promotion, retirement on superannuation, retirement on VRS for the year 2021-2022 are as follows:

- 4 appointment on Compassionate Ground
- 14 Engineers, 10 General Service and General Subordinate Service staffs, 11 Scientific Service. Staffs have been promoted
- 5 Employees have been retired due to Superannuation.
- 9 Employees retired on VRS.
- 9 Employees deceased.
- 4 New Appointments(2 Typists + 2 Assistants)
- Transfer of Service – Nil
- 3 Resigned (1 Typist + 2 Assistants)
- Formation of new offices (22 Engineers, 1 General Service & 16 General Subordinate Service.

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

Sl. No.	Name of the post	Sanctioned post	Present strength	Vacant
1	Chairman	1	1	-
2	Member Secretary	1	1	-
	Total	2	2	-

II. CONSTITUTION OF THE BOARD

Sl. No.	Name of the post	Sanctioned post	Present strength	Vacant
Engineering Service				
1.	Chief Environmental Engineer	1	1	0
2.	Additional Chief Environmental Engineer	2	2	0
3.	Joint Chief Environmental Engineer	13	13	0
4.	Environmental Engineer	56	54	2
5.	Assistant Environmental Engineer	52	48	4
6.	Assistant Engineer	162	48	114
7.	Assistant Engineer (Auto)	1	0	1
	Total	287	166	121
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	6	4	2
5	Technical Assistant	1	1	0
	Total	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.				
Scientific Service				
1	Deputy Director (Lab)	2	2	0
2	Assistant Director (Lab)	10	8	2
3	Chief Scientific Officer	5	5	0
4	Deputy Chief Scientific Officer	29	27	2
5	Environmental Scientist	77	4	73
6	Senior Meteorologist	1	0	1
7	Meteorologist	2	0	2
	Total	126	46	80
Scientific Subordinate Service				
1	Junior Environmental Scientist	6	4	2
2	Field Assistant	56	35	21
3	Lab Assistant	28	18	10
	Total	90	57	33
General Service				
1	Senior Manager (F&A)	1	0	1
2	Manager	2	2	0
3	Manager (Law)	1	0	1
4	Law Officer	1	0	1
5	Additional Manager	6	2	4
6	Court Master	1	0	1
7	Deputy Manager	30	18	12
8	Private Secretary	3	1	2
	Total	42	22	20

II. CONSTITUTION OF THE BOARD

Sl. No.	Name of the post	Sanctioned post	Present strength	Vacant
General Subordinate Service				
1	Assistant Manager	55	53	2
2	General Assistant	84	55	29
3	Assistant	83	49	34
4	Senior Personal Assistant (Steno-Typist, Grade-I)	5	4	1
5	Personal Assistant (Steno-Typist, Grade-II)	17	7	10
6	Personal Clerk (Steno-Typist, Grade-III)	4	3	1
7	Typist	63	48	15
8	Driver	56	18	38
9	Motor cycle messenger	1	0	1
10	Telephone Operator	2	0	2
11	Record Clerk	13	0	13
	Total	386	238	148
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	1	0	1
6	Assistant Programmer	2	0	2
7	Data Entry Operator	4	0	4
	Total	11	0	11
Basic Service				
1	Office Assistant	74	6	68
2	Sweeper	4	4	0
3	Watchman	1	1	0
	Total	79	11	68
Deputation Staff				
1	Director Labs(deputation)	1	0	1
2	Financial Advisor(deputation)	1	1	0
	Total	2	1	1

The bar graph of year wise staff strength is given in Annexure-III.

Details of Pensioners and Family Pensioners as on 31.03.2022

Sl. No.	Details	As on 31.03.2021	During the year 2021-22	Total as on 31.03.2022
1	Pensioners	365	15	380
2	Family Pensioners	79	13	92
	Total	444	28	472

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CHAPTER - III.

CONSTITUTION OF THE COMMITTEES BY THE BOARD

3.1 CONSTITUTION OF THE COMMITTEES BY THE BOARD

One of the main functions of the TNPCB is to issue consent to the industries under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 and also to issue authorization to the units under various Rules notified under Environment (Protection) Act, 1986. For efficient and effective implementation of Acts and Rules and to have smooth functioning, the Board has constituted various Committees under Section 9 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 11 of the Air (Prevention and Control of Pollution) Act, 1981, at the Head Office, at the level of Zonal and District Offices. These Committees are as follows:

3.1.1 Technical Sub-Committee (TSC)

The Board has constituted a Technical Sub-Committee (TSC) (*Vide B.P.No.1, dated 06.02.2018*) in TNPCB Head Office, Chennai to decide on grant of Consent To Establish (CTE) and Consent To Operate (CTO) to the 17 Category Industries and Environment Impact Assessment (EIA) attracting projects. The composition of the Committee is as follows:

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

3.1.2 Consent Clearance Committee (CCC)

The Board has constituted a Consent Clearance Committee (*Vide No. TNPCB/ Per/ P1/ 18730/ 2007, dated 02.07.2007*) and re-constituted (*Vide B.P.No.63 dated 28.11.2017*) in TNPCB Head Office, Chennai to decide on grant of CTE and CTO to Red Large and Red Medium industries. The composition of the Committee is as follows:

1	Member Secretary, TNPCB	Chairman
2	Additional Chief Environmental Engineers (ACEEs), TNPCB	Member
3	Joint Chief Environmental Engineers (JCEEs), TNPCB	Member

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

3.1.3 Zonal Level Consent Clearance Committee(ZLCCC)

The Board (*Vide B.P.Ms.No.4, dated 18.03.2009 (as amended)*) has constituted ZLCCCs to decide on grant of CTE and CTO to Red Small, Orange Large, Orange Medium and Green Large industries. The composition of the Committee is as follows:

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

3.1.4 District Level Consent Clearance Committee(DLCCC)

The Board (*Vide B.P.No.36, dated 05.10.2012 (as amended)*) has constituted DLCCCs to decide on grant of CTE and CTO to Orange Small, Green Medium and Green Small category industries. The composition of the Committee is as follows:

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

3.2 POWER DELEGATION TO THE COMMITTEES

In order to dispose off the applications made by industries for the issue of Consent / Authorizations / Registration expeditiously, the Board has delegated the powers to the officers at TSC, CCC, ZLCCC & DLCCC (*Vide B.P.No.63, dated 28.11.2017 and B.P.No.14 dated 18.02.2020*) as follows:

Power delegation for the issue of Consent Orders and for renewal of Consent Orders (B.P.No.63, dated 28.11.2017)

Sl. No.	Particulars	17- Category	Red- Large	Red- Medium	Red- Small	Orange- Large	Orange- Medium	Green- Large	Orange-Small & Green Medium & Green Small
1	Consent to Establish & Expansion	TSC	CCC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
1A.	Consent to Establish - Extension	CCC	CCC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
2	Consent to Operate & Expansion	TSC	CCC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
3	EIA & CRZ attracted Projects CTE & Expansion	TSC	TSC	CCC	CCC	CCC	CCC	CCC	CCC

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

Sl. No.	Particulars	17- Category	Red- Large	Red- Medium	Red- Small	Orange- Large	Orange- Medium	Green- Large	Orange-Small & Green Medium & Green Small
3A.	EIA & CRZ attracted Projects CTE & Extension	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC
4	EIA & CRZ attracted Projects CTO & Expansion	TSC	CCC	CCC	CCC	CCC	CCC	CCC	CCC
5	CRZ alone attracting Projects CTE & Expansion	TSC	TSC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
5A.	CRZ alone attracting Projects CTE - Extension	CCC	CCC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
6	CRZ alone attracting Projects CTO & Expansion	TSC	CCC	CCC	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
7	Consent Renewal	Chairman	MS	MS	DEE	DEE	DEE	DEE	DEE
8	Fresh consent for Name Change, Changes in stack for DG set, Merger of adjacent units without any changes in existing consent etc.,	MS	MS	MS	ZLCCC	ZLCCC	ZLCCC	ZLCCC	DLCCC
9	For any expansion projects of highly polluting industries those are attracting the G.Os 213 & 127, the Issue of Consent will be considered by placing it in TSC in the case of Red Large, CCC in the case of Red Medium and ZLCCC in the case of Red Small followed by recommending the project in Board meeting for obtaining G.Os relaxation from Government. After getting the G.O relaxation, CTE will be issued by Chairman in the case of Red Large, Member Secretary in the case of Red Medium and DEE in the case of Red Small.								

Power delegation for the issue of Authorization, Pass Book and Registration

(B.P.63, dated 28.11.2017 & B.P.No.14 dated 18.02.2020)

Sl. No	Particulars	Function	17 Category (Large & Medium scale only)	Red Large	Red Medium	Red Small	Orange Large & Medium	Orange Small & All Green
1	First Time & subsequent H&OW / BMW/ SW/E- Waste/C&D Waste Authorization & Amendments.	Inspection Authority	JCEE(M)	DEE	DEE	JE	JE	JE
		Approving Authority	M.S	M.S	M.S	JCEE (M)	JCEE (M)	DEE
		Issuing Authority	Sector JCEE	Sector JCEE	Sector JCEE	JCEE(M)	JCEE(M)	DEE

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

Sl. No	Particulars	Function	17 Category (Large & Medium scale only)	Red Large	Red Medium	Red Small	Orange Large & Medium	Orange Small & All Green
2	Authorization & Pass Book for actual users [Under Rule 9 & Rule 13(2) - Part D Schedule 3 of H& OW Rules 2016]	Inspection Authority	JCEE(M)	DEE	DEE	JE	JE	JE
		Approving Authority	M.S	M.S	MS	MS	MS	MS
		Issuing Authority	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE
3	Authorization & Pass Book for list of commonly recyclable Hazardous Waste as per Schedule IV of H&OW Rules	Inspection Authority	JCEE(M)	DEE	DEE	JE	JE	JE
		Approving Authority	M.S	M.S	MS	MS	MS	MS
		Issuing Authority	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE
4	H&OW Rules One time Authorization of Traders for Import – All category	Inspection Authority	DEE	DEE	DEE	DEE	DEE	DEE
		Approving Authority	MS	MS	MS	MS	MS	MS
		Issuing Authority	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE	Sector JCEE
5	Plastic Registration – All Category	Inspection Authority	JE	JE	JE	JE	JE	JE
		Approving Authority	DEE	DEE	DEE	DEE	DEE	DEE
		Issuing Authority	DEE	DEE	DEE	DEE	DEE	DEE
6	Battery Registration to Dealers	DEE	DEE	DEE	DEE	DEE	DEE	DEE

MS – Member Secretary; JCEE (M) – Joint Chief Environmental Engineer (Monitoring)
 JCEE (Sector) - Joint Chief Environmental Engineer (Sector); DEE – District Environmental Engineer, JE – Jurisdiction Engineer

Note:

- (1) Inspection Authority means the officer whose I.R. shall be considered for issue of Authorization, Registration etc.
- (2) Approving Authority means the authority who takes decision on issue of Authorization, Registration
- (3) Issuing Authority means the authority issuing Authorization, Registration after getting necessary approval from Approving Authority

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

The detail of meetings conducted by the committees during the year 2021-2022 is given below:

Committees	Total No. of meetings	Total No. of subjects placed in the meetings	No. of subjects approved	No. of subjects for which additional details called, rejected, returned,
Technical Sub-Committee	7	96	85	11
Consent Clearance Committee	12	327	308	19
Zonal Consent Clearance Committee	73	1088	1074	14
District Level Consent Clearance Committee	773	6321	6177	34
Total	865	7832	7644	78

Note: DLCCC subjects include Auto Renewal Applications.

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

3.3 POLLUTION LOAD ASSESSMENT COMMITTEE (PLAC)

The Ministry of Environment, Forest and Climate Change, Government of India has notified an amendment in the EIA Notification, 2006 vide S.O.3518 (E), dated 23rd November 2016. As per the notification, TNPCB has constituted PLAC vide Proceeding No. TNPCB / F.004987 / 2017, dated 02.11.2017 to examine the applications received from the units seeking 'No Increase In Pollution Load Certificate'. The Composition of Committee is as follows:

Sl. No.	Name and Designation of Officer	Position
1.	Member Secretary, TNPCB, 76, Mount Salai, Guindy, Chennai – 600 032	Chairman
2.	Zonal Officer, CPCB-South Zonal Office 1 st & 2 nd Floors, Nisarga Bhavan, A-Block, Thimmaiah Main Road, 7 th D-Cross Shivnagar, Bengaluru – 560 079	Member
3.	Dr. P. Sessa Talpa Sai, Professor–Department of Chemical Engineering, I.I.T Madras, Chennai–600 036	Expert Member
4.	Dr. S. Sivanaesan, Professor & Dean–A.C. Tech, Anna University, Chennai–600 025	Expert Member
5.	Dr. N. Balasubramanian, Professor–Chemical Engineering Department, A.C. Tech, Anna University, Chennai–600 025.	Expert Member

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

Sl. No.	Name and Designation of Officer	Position
6.	Dr. P. Shanmugam, Senior Principal Scientist, Environment Engineering Department, C.L.R.I, Chennai-600 025	Expert Member
7.	Joint Chief Environmental Engineer, (Sector HOD), Tamil Nadu Pollution Control Board, Chennai – 600 032	Convener

During the year 2021-2022, the Pollution Load Assessment Committee has examined the following proposals.

Sl. No.	Industries Name and Address	Meeting held on
1	M/s.Suryadev Alloys and Power Pvt Ltd, Sirupuzhalpettai village, Gummidipoondi Taluk, Tiruvallur District	14.09.2021
2	M/s.JR Metal Chennai Limited, Periyapuliyur Village, Gummidipoondi Taluk, Tiruvallur District .	14.09.2021
3	M/s. Sakthi Auto Ancillary Private Limited (Foundry Division), Kurudampalayam Village, Coimbatore District.	14.09.2021
4	Dalmia Cement(Bharat) Ltd., Palaganatham Village, Ariyalur Dist	14.09.2021
5	M/s.Chemplast Sanmar Limited., Sanmar Speciality Chemical Division, Sulugunta Village, Shoolagiri Tk, Krishnagiri District.	27.01.2022
6	M/s.DCW Limited., Sahupuram PO Kayalpattinam North village, Tiruchendur Taluk, Thoothukudi District.	27.01.2022
7	M/s.EID Parry India Ltd.,(Distillery Division) Nellikuppam Village, Cuddalore District.	27.01.2022
8	M/s. Dalmia Cement(Bharat) Ltd, Govindapuram Village, Ariyalur District.	27.01.2022
9	M/s.The Ramco Cements Ltd., Singhipuram Village, Valapadi Taluk, Salem District.	27.01.2022
10	M/s.The Ramco Cements Ltd., Govindapuram & Ameenabad villages, Ariyalur Taluk & District.	27.01.2022

III. CONSTITUTION OF THE COMMITTEES BY THE BOARD

3.4 DISTRICT COORDINATION COMMITTEE (DCC)

The Government (*Vide G.O.Ms.No.23, Environment and Forests (EC.1) Department, dated: 01.03.2018*) has constituted a District Coordination Committee (DCC) in all the districts, comprising of the following members so as to restrain the operation of illegal units discharging untreated effluent on land or into water bodies, thereby to protect the precious water bodies in the State. The committee is empowered to disconnect power supply, water supply, seizure of materials, sealing of unit's premises/machinery and eviction etc. The Committee is also empowered to file criminal case against the owner of land and unit. The Composition of Committee is as follows:

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 MEETINGS OF THE BOARD

As per the provision of 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 shall meet at least once in every three months and shall observe such rules of procedures with regard to the transaction of business at its meeting as may be prescribed. During the year 2021–2022, the Board has met 2 times and transacted the business. The details are as follows:

The details of Board Meetings held during the period from April 2021 to March 2022 are as follows:

Sl. No.	Board Meeting Number	No. of Subject placed	Date of Meeting
1	284	13	29.04.2021
2	285	63	30.11.2021
	Total	76	

4.2 Major decisions taken by the Board

1. Calculation of the consent fees shall continue to be based on the value of Gross Fixed Assets and the units operating without Consent to Operate (CTO) while applying for consents to remit 6 times the consent fee (5 arrear + 1 current) as per the GFA or the consent fee applicable from the date of commissioning whichever is lower. If no evidence for the date of commissioning is produced then a flat rate of 6 times fee (5 arrear + 1 current) shall be payable. **[Resolution No.284-2-1]**
2. Implementation of interim remedial measures to stop further pollution from the waste dump site at M/s. Tamil Nadu Chromates and Chemicals Limited, Ranipet at a cost of Rs.12 Crores (Rupees Twelve Crores only) **(Resolution No.285-2-2).**
3. Formation of Flying Squads at Ambattur and Salem as per the G.O No.96, dated 01.11.2021 under the head of Environmental Engineer at a total cost of Rs.1.22 Crores from Board's fund **(Resolution No.285-2-3).**
4. Formation of O/o. JCEE (M), Cuddalore as per the G.O No.98, dated 02.11.2021 at a total cost of Rs.5.00 Crore from Board's fund **(Resolution No.285-2-4).**
5. Formation of O/o. Assistant Environmental Engineer at Manali, Mettur and Ranipet as per G.O No.95, dated 01.11.2021 at a total cost of Rs.2.55 Crores from Board's fund **(Resolution No.285-2-6).**
6. Formation of IT wing for TNPCB in a separate building as per G.O No.108, dated 16.11.2021 under the head of Chief Environmental Engineer at a total cost of Rs.8.50 Crores from Board's fund **(Resolution No.285-2-7).**

IV. MEETINGS OF THE BOARD

7. An educational institution to be selected to carry out study in Tiruppur, Erode, Kumarapalayam and Pallipalayam to evaluate the CEPI scores **(Resolution No.285-2-8).**
8. Extension of time for a further period of 6 months was granted to IETPs / CETPs of Textile and Tannery units having effluent generation 100 KLD and above, to provide zero liquid discharge system **(Resolution No.285-2-9).**
9. Recommended to Government to consider exempting the lab facility of M/s. King's Institute of Preventive Medicine and Research, Guindy from payment of consent fee **(Resolution No.285-2-10).**
10. Construction of building for the O/o. District Environmental Engineer, Nilgiris at a total cost of Rs.319.00 lakhs from Board's fund **(Resolution No.285-4-1).**
11. Construction of building for the O/o. District Environmental Engineer, Tiruppur North, O/o. Environmental Engineer (Flying Squad), Tiruppur North and the District Environmental Laboratory, Tiruppur North at a total cost of Rs. 429.00 lakhs from Board's fund **(Resolution No.285-4-2).**
12. Construction of building for the O/o. District Environmental Engineer, Tiruppur (South) at a total cost of Rs. 403.70 lakhs from Board's fund **(Resolution No.285-4-3).**
13. Construction of building for the O/o. Joint Chief Environmental Engineer (Monitoring) at Tirunelveli District at a cost of Rs.4.00 crores within the premises of the existing O/o. District Environmental Engineer, Tirunelveli from Board's fund **(Resolution No.285-4-4).**
14. Utilization of CPCB fund of Rs.3.06 Crores (Rupees Three Crores and Six Lakhs only) by releasing payments to the Commissioner, Thoothukudi Corporation **(Resolution No.285-4-5).**
15. Strengthening of laboratories of Tamil Nadu Pollution Control Board by procuring Ultra Pure Water Purification system at a total cost of Rs.90,75,000/- (Rupees Ninety Lakhs Seventy Five Thousand only) from Board's fund **(Resolution No.285-4-7).**
16. An amount of Rs.245.90 Crore (Rupees Two Hundred and Forty Five Crore and Ninety Lakhs only) to be utilized to top up TNPCB Employees Pension Fund **(Resolution No. 285-4-10).**

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CHAPTER - V.

ACTIVITIES OF THE BOARD

5.1 MONITORING AND ISSUE OF CONSENT TO THE INDUSTRIES

As per the provisions of 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, no person shall, without the previous consent of the State Board, establish or operate any industrial plant which is likely to discharge sewage or trade effluent into a stream or well or sewer or on land and also in an air pollution control area of the entire State of Tamil Nadu. Hence industries have to obtain consent of the TNPCB under the above said Acts. Consents are issued to industries in two stages. In the first stage, the '**Consent to Establish**' (CTE) is issued after duly assessing, among others, the siting criteria of one km distance from river margin as per the G.O.Ms No.213 Environment and Forests Department, dated 30.03.1989 and five km as per the G.O Ms. No.127 Environment and Forests Department, dated 08.05.1998 with the prime objective of protecting precious water bodies. During the second stage, the '**Consent to Operate**' (CTO) is issued to operate industrial units after ensuring the unit's compliance of conditions stipulated in the Consent to Establish.

Thereafter, 'Consent to Operate' should be renewed by the unit regularly and at any point of time, the unit should have valid consent of the Board. To consider Consent, field officers of the Board inspect the industries under their jurisdiction periodically to assess the adequacy of pollution control measures provided by the industries to treat sewage, trade effluent and emissions and to monitor their performance. They also investigate complaints related to environmental pollution received from the public, organizations and the Government. The industries are instructed to carry out necessary corrective measures if required.

5.1.1 Categorization of Industries

To facilitate the consent mechanism and effective monitoring, the CPCB has categorized the industries as Red, Orange, Green and White based on the **Pollution Index Score**. It has directed all State Pollution Control Boards (SPCBs) to adopt the same for grant of consent, inventorisation and other associated activities. Following the above categorization, the TNPCB has classified industries into a matrix of different categories by combining the pollution potential of an industry and the value of its Gross Fixed Assets (GFA) for the purpose of monitoring. Thus, industries are grouped as Red, Orange, Green and White and as Large, Medium and Small. As per the CPCB direction, there shall be no necessity of obtaining consent for White category industries and only intimation to TNPCB shall suffice.

Categorisations of Industries are as follows:

Category based on GFA	GFA (Rs in crore)	Category based on polluting potential			
		Red	Orange	Green	White
Large	> 10	Highly Polluting	Medium Polluting	Less Polluting	Non Polluting
Medium	5 - 10				
Small	< 5				

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	1870	2790	1077	5737
Medium	263	960	561	1784
Small	10428	23736	9981	44145
Total	12561	27486	11619	51666

District office wise number of the industrial units is given in **Annexure-IV** and the no. of industrial units comes under the purview of the TNPCB from year 1982 is given in **Annexure-V**.

The MoEF&CC, GoI have identified 17 categories of industrial sectors as highly polluting industries for intensive monitoring purpose. In Tamil Nadu, there are 188 industrial units under 17 category of industrial sector. The details of the units are as follows:

Sl. No.	Category	No. of units
1	Sugar	36
2	Cement	26
3	Distillery	15
4	Petrochemical	10
5	Pulp and Paper	2
6	Fertilizer	7
7	Tannery	15
8	Pesticides	2
9	Thermal Power Station	36
10	Caustic Soda	3
11	Pharmaceuticals	27
12	Dye and Dye Stuff	1
13	Refinery	6
14	Copper Smelter*	1
15	Iron & Steel	1
16	Zinc Smelter	0
17	Aluminium	0
	Total	188

Note: * Copper Smelter unit at Thoothukudi is under permanent closure.

V. ACTIVITIES OF THE BOARD

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. The details are as follows:

Type of Industry	Category	Inspection	Sample Collection
Large	Red	Once in 3 months	Once in a month
	Orange	Once in 6 months	Once in 4 months
	Green	Once in 2 years	-----
Medium	Red	Once in 4 months	Once in 3 months
	Orange	Once in 6 months	Once in 6 months
	Green	Once in 2 years	-----
Small	Red	Once in a year	Once in 3-6 months
	Orange	Once in 2 years	Once in 6 months
	Green	Once in 2 years	-----
17 Category of Industry		Once in a month	Once in a month

5.2 ONLINE CONSENT MANAGEMENT AND MONITORING SYSTEM (OCMMS)

The TNPCB implemented the facility of Online Consent Management and Monitoring System (OCMMS) from 19.01.2015. The OCMMS is a web based generic application software for automating the work flow associated with consent management and monitoring. This system allows the industries for online submission of application for Consent to Establish / Consent to Operate / Renewal of Consent, uploading of documents, online payment of consent fees, online submission of clarification and to know the status of application. This system 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. It helps for online monitoring of the processing of applications. From 20.1.2015 onwards, the applications are accepted only through OCMMS. In order to facilitate the industries to apply online through OCMMS, Care Centre has been established in all the 38 district offices. Web portal for online consent application is www.ocmms.tn.gov.in.

The 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) 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.

CTO-Direct to the Green Category Industries: As a part easy of doing business and for promoting of industries in the State, the TNPCB (*vide B.P.No.1, dated 13.01.2020*) issued orders that the Green category industries proposed to be located in Industrial Use Zone / Industrial Estate as classified by the DTCP / CMDA / LPA need not get Consent to Establish (CTE) and they can establish the industry and apply directly to Consent to Operate (CTO) for the commencement of production.

V. ACTIVITIES OF THE BOARD

5.2.1 Auto Renewal of Consent

The Board introduced a concept of 'Auto Renewal' of Consent to the Red-Small and all Orange and Green category industries. Accordingly, consent is renewed to the units without prior inspection for which the unit has to furnish self certification. This ensures that the grant of renewal consent within seven days on receipt of application through OCMMS.

During the year 2021-2022, the Board has issued CTE to 823 units and CTO to 3006 units.

Period	Consent to Establish		Consent to Operate	
	Water Act	Air Act	Water Act	Air Act
Cumulative (Upto 31.03.2021)	24,043	23,972	56,822	54,010
During Year 2021-2022	823	823	3,006	3,006
Total	24,866	24,795	59,828	57,016

Note: Issue of CTE to the industries was started from the year 1995.

5.3 COMMON EFFLUENT TREATMENT PLANTS (CETPs)

Taking into consideration, the key role played by Micro, Small, Medium Enterprises (MSME) units and the constraints in complying with pollution control norms individually by these units, the MoEF&CC, GoI initiated an innovative technical and financial support scheme to ensure their growth in an environmentally compatible manner. This scheme promotes common facilities for treatment of effluents from MSME units located in clusters through financial assistance. The TNPCB plays a supportive role towards the establishment of Common Effluent Treatment Plants (CETPs) for clusters of small-scale industries in various parts of the State. The Board assists in the technical scrutiny of proposals for 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

*Out of 30 CETPs, eight in Karur, two in Tiruppur and one in Kancheepuram are under closure due non-implementation of ZLD plant.

V. ACTIVITIES OF THE BOARD

5.3.1 CETPS in Tannery Sector

Among 13 CETP schemes established for tanneries, 11 CETPs are in operation with Zero Liquid Discharge (ZLD) system. CETP at Madavaram and CETP at Pallavaram have provided primary and secondary treatment systems and opted for dilution of treated effluent with treated sewage to meet the standards prescribed by the Board. The CETP at Madavaram has completed the works and commenced the mixing of treated trade effluent with CMWSSB treated sewage. CETP Pallavaram is in the process of completing the works related to dilution activity.

The List of CETPs in Tannery sector operating with ZLD System are 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.	5	201.4	201.4
2	M/s. Talco Dindigul Tanners Enviro Control System Pvt. Ltd., Dindigul	49	2533	1517
3	M/s. Perundurair Leather Industries Eco-Security Private Limited, Perundurair, Erode District	14	2000	1000
4	M/s. Ambur Tannery Effluent Treatment Company Limited, Thuthipet Sector, Ambur, Tirupattoor District	49	2219	1150
5	M/s Ambur Tannery Effluent Treatment Company Ltd, Maligaihope Sector, Ambur, Tirupattoor District.	17	1100	330
6	M/s TALCO Pernambut Tannery Effluent Treatment Company Ltd., Pernambut, Vellore District.	36	891	600
7	M/s. Vanitec Limited Valayampet Vaniyambadi, Tirupattoor District.	133	3342	2000
8	M/s. Ranipet Tannery Effluent Treatment Company Limited (RANITEC), Ranipet District.	82	4500	3600
9	M/s. Ranipet SIDCO finished Leather Effluent Treatment Company Limited, Ranipet District.	79	2500	1875
10	SIPCOT-SIDCO Phase II Entrepreneur Finished Leather Effluent Treatment Co. Ltd., Ranipet District.	20	1560	700
11	M/s. Visharam Tanners Enviro Control Systems (P) Ltd., Melvisharam, Ranipet District.	36	3400	669
	Total	520	24246.4	13642.4

V. ACTIVITIES OF THE BOARD

CETP in Tannery sector carrying out dilution of treated effluent with treated sewage

Sl. No.	Name of the CETP	No. of member units	Consented Quantity (KLD)	Permitted quantity (KLD)
1	M/s. Madhavaram Leather Manufacturers Facility (P) Ltd., Madhavaram	14	400	400

CETP in Tannery sector proposed for dilution of treated effluent with treated sewage

Sl. No.	Name of the CETP	No. of member units	Consented Quantity (KLD)	Permitted quantity (KLD)
1	M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited., Chrompet, Chennai	119	3000	3000

5.3.2 CETPs in Textile Bleaching and Dyeing Sector

For the benefit of small scale Textile bleaching and dyeing units, 30 CETPs were established and commissioned between the years 1996 – 2000, with primary and secondary treatment systems. Since the CETPs were unable to bring the TDS level to 2100 mg/L, they were directed to go for Zero Liquid Discharge. Accordingly, out of 30 CETPs, 19 CETPs (18 CETPs in Tiruppur, 1 CETP in Perundurai) have implemented tertiary treatment with RO Plant, Multiple Effect Evaporator and Agitated Thin Film Dryer to meet Zero Liquid Discharge standards. One CETP at Ayyampet-Muthyalpet in Kancheepuram district has now proposed to provide ZLD Plant for which they are in the process of getting grant from the Central and State Governments. At present, this is CETP is under closure. The remaining 10 CETPs (8 CETPs in Karur and 2 CETPs in Tiruppur) were under closure in view of the orders of the Hon'ble High Court due to their inability to achieve ZLD standards.

The Director of Handlooms and Textiles, Government of Tamil Nadu has sanctioned Rs.203.405 crores as interest free loan for the functioning of 18 CETPs in Tiruppur. So far, Rs.199.145 crores was released in order to modernize / improve the Zero Liquid Discharge (ZLD) system.

Existing CETPs with ZLD system are as follows:-

Sl. No.	Name and address of CETP	No. of member units	Capacity (KLD)
1	M/s. Arulpuram Common Effluent Treatment Company Pvt. Ltd., S.F.No.158,Ganapathipalayam Village, Palladam Taluk, Tiruppur District – 641 605	14	5500
2	M/s.Eastern Common Effluent Treatment Company Private Limited, S.F. No.3/1, 4/2, Nallur Village, Tiruppur South Taluk, Tiruppur District – 641 606.	23	6000

V. ACTIVITIES OF THE BOARD

Sl. No.	Name and address of CETP	No. of member units	Capacity (KLD)
3	M/s. Kallikadu Common Effluent Treatment Plant Private Limited, T.S.No.915/3/21/3 & 914/3/21/3, Tiruppur Town, Tiruppur Taluk, Tiruppur District - 641 604	12	3000
4	M/s. Tiruppur Murugampalayam Common Effluent Treatment Company Limited, S.F.No.214/2, Veerapandi Village, Tiruppur Taluk, Tiruppur District – 641 687.	60	11000
5	M/s. Mangalam Common Effluent Recycling Technologies India (P) Ltd, R.S. No. 179-182, 185/1-B, 182/1, Andipalayam Village, Tiruppur South Taluk, Tiruppur District – 641 663	15	4000
6	M/s. Rayapuram Common Effluent Treatment Plant Pvt. Limited, R.S.No.642, 643, 646, 647 & 648, Velampalayam Village, Tiruppur North Taluk, Tiruppur District - 641 603	15	5500
7	M/s. Veerapandi Common Effluent Treatment Plant Pvt. Limited, R.S.No.548/1, 548/8A, 548/7A, 548/3A1, 3A2, 548/5 B, 8A1, 8A2, 8B, 1, 2, 549, 550/5, Veerapandi Village, Tiruppur Taluk, Tiruppur District – 641 604.	69	12000
8	M/s. Angeripalayam Common Effluent Treatment Plant Ltd., S.F. No.78, 79, 80, 80/1, 80/2, 81/1, 81/2, 82/1, 82/2, 83, 84, 89 & 98/2, Mannarai Village, Tiruppur Taluk, Tiruppur District – 641603.	75	10000
9	M/s. Chinnakkurai Common Effluent Treatment Plant Private Limited, S.F. No. 275/2B, 265/2A, 255/4B, 271 & 266, Veerapandi Village, Tiruppur South Taluk, Tiruppur District – 641 605.	29	8000
10	M/s. Karaipudur Common Effluent Treatment Plant Pvt. Ltd, S.F.No.10/1, 13/1, Karaipudur village, Palladam Taluk, Tiruppur District – 641 605.	25	4500
11	M/s. Kasipalayam Common Effluent Treatment Plant Pvt. Ltd., S.F.No.249 (part), 250(part), 250/1, Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur - 641607.	12	4400
12	M/s. Kunnangalpalayam Common Effluent Treatment Plant Limited, S.F.No.260/3, Veerapandi Post, Tiruppur District-641 605.	19	5500
13	M/s. Mannarai Common Effluent Treatment Plant (P) Limited, R.S.No.209/2A, 2B1, 2B2, Mannarai Village, Tiruppur North Taluk, Tiruppur District - 641 607	28	4200
14	M/s. Sirupooluvapatti Common Effluent Treatment Plant Private Limited, S.F.No.622/2 & 623, 15- Velampalayam Village, Tiruppur North Taluk, Tiruppur District – 641 603	19	5000
15	M/s. Vettuvapalayam Common Effluent Treatment and Recycling Plant Private Limited, S.F.No.30/1, 2 & 3, Mangalam Village, Tiruppur South Taluk, Tiruppur District– 641 663.	9	1500

V. ACTIVITIES OF THE BOARD

Sl. No.	Name and address of CETP	No. of member units	Capacity (KLD)
16	M/s. Andipalayam Common Effluent Treatment Plant Private Limited, R.S. No.96/1 & 97/3, Mangalam Road, Andipalayam Village, Tiruppur, Tiruppur District-641 687.	9	4500
17	M/s. S. Periyapalayam Common Effluent Treatment Plant Private Limited, R.S.No.224/2, Agrahara Periyapalayam, S. Periyapalayam, Perundurai Taluk, Tiruppur District – 641 607.	6	1500
18	M/s. Park CETP (P) Limited, S.F.No.327, (opp. to Anburam Knit Process), Poyampalayam Privu (West), Pitchampalayam Pudhur (PO), P.N. Road, Tiruppur, Tiruppur District – 641603.	4	2500
19	M/s. Perundurai Common Effluent Treatment Plant (Textiles), Plot No: R-22, SIPCOT Industrial Growth Centre, S.F. No.192, 193, 198, 199, 200, 201, 202, 203, 205, 206, 207, 208, 210, 217 part, Ingur Village, Perundurai Taluk, Erode District – 638 052	8	4050
Total		451	102650

Existing CETP proposed for ZLD

Sl. No.	Name and address of CETP	No. of member units	Capacity (KLD)
1	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.	36	1500

5.3.3 CETPs in Electroplating Sector

There are two CETPs with ZLD system was established and commissioned for Electroplating units.

Sl. No.	Name of the CETPs	No. of member units	Consented quantity (KLD)	Permitted quantity (KLD)
1	M/s. JBR Technologies Ltd., Korattur Village, Ambattur Taluk, Tiruvallur District	211	200	200
2	M/s. Madurai Electroplating Industrial Park ,Karisalkulam Village, Thiruppuvanam Taluk, Sivagangai District.	48	49.6	49.6

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5.3.4 CETP for Hotels and Lodges

The unit of M/s. Kodaikanal Effluent Treatment Company Limited, Kodaikanal Taluk, Dindigul District was established in 1992. This is the only CETP established for treating the sewage generated from hotels and lodges located in Kodaikanal hill station. The unit is consented for collection, conveyance and treatment of 850 KLD of sewage. The unit collects the untreated sewage from 35 member units and the treated sewage from the facility is disposed into a nearby odai.

5.3.5 CETP for Pharmaceutical units

The Pharmaceutical units in SIDCO Industrial Estate, Alathur, Chengalpattu district has formed a Special Purpose Vehicle by the name M/s. Chennai Pharma Industrial Infrastructure Upgradation Company and has established a CETP of 142.35 KLD capacity with Zero Liquid Discharge. This unit was issued with CTO for handling trade effluent (86.80 KLD) and sewage (55.55 KLD) generated from nine pharmaceutical formulation units. The consent is valid upto 31-03-2032.

5.3.6 Common Marine Discharge Scheme

The Cuddalore SIPCOT Industries Common Utilities Limited is a common marine discharge scheme established and commissioned in January 2000. This common facility is to collect the treated trade effluent from the units in SIPCOT Phase I & II, Cuddalore comprising of textile processing, pharmaceutical, dye, chemical, pesticide and miscellaneous units and dispose the same into sea. This facility comprises of 6 numbers of collection sumps and inter-connecting pipelines to a total length of 2.2 kilometers. The pipeline passes across the river Uppannar followed by land and into sea. At the final point into sea, the pipeline is anchored by concrete blocks with diffuser arrangements to dispose the effluent into sea at a depth of 8 meters below sea surface. The facility was consented to collect and discharge treated trade effluent of 12000 KLD into the sea.

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. The role of Local Bodies has been specified under Rule 15. As per Rule 16, the TNPCB enforces these Rules through Local Bodies.

In Tamil Nadu, there are 21 Corporations, 138 Municipalities and 490 Town Panchayats. As per the annual report of the year 2021-22, the total quantity of solid waste generation is 14585.49 tons/day (TPD), out of which 14470.69 TPD is being collected by the local bodies. Out of which, 49.8% of solid waste is treated by the local bodies.

As per the Rules, the Local Bodies generating more than 5 TPD of solid waste should get authorization from SPCB and the TNPCB has issued authorization to 219 Local Bodies. As per the Rules, Local Bodies shall carryout bio-mining of old dump sites and recover the land. Accordingly,

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the bio-mining of legacy waste has been initiated by the Local Bodies in 269 locations in the State, Of which, 69 locations have been completed and work is in progress in 111 sites. As such, 360 acres of land have been reclaimed in the 69 locations.

TNPCB is monitoring the environmental (Ground Water and Ambient Air) qualities in and around the dump-sites periodically. As per the orders of the Honourable NGT in O.A.606 of 2018, TNPCB has issued Show Cause Notices/Directions/Levy of Environmental Compensation under Section 5 of Environment (Protection) Act, 1986 to the violating Local Bodies for non-compliance of the provisions of Solid Waste Management Rules, 2016 and for not commencing the Biomining of legacy wastes. 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.

Hon'ble National Green Tribunal orders in O.A.No.606 of 2018 (Compliance of Solid Waste Management Rules, 2016)

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. Further, the Hon'ble NGT (PB) has 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.

As per the Hon'ble NGT order, dated 16.01.2019, State Monitoring Committee (SMC) in Tamil Nadu has been constituted under the Chairmanship of Dr.P.Jyothimani, Former Judge, Madras High Court and Former Judicial Member, National Green Tribunal.

The Hon'ble National Green Tribunal (Principal Bench) (*vide order dated 28.02.2020 & 02.07.2020 in OA No. 606 of 2018*) has directed that "In view of the fact that most of the statutory timelines have expired and directions of the Hon'ble Supreme Court and the Tribunal to comply with Solid Waste Management Rules, 2016 remain unexecuted, Interim compensation scale is laid down for continued failure after 31.03.2020". As per the orders of the Hon'ble NGT (PB), TNPCB assessed Interim Environmental Compensation and issued directions under Section 5 of Environment (Protection) Act, 1986 with respect to remittance of Interim Environmental Compensation to 17 Urban Local Bodies. Show Cause Notices have been issued to 24 Urban Local Bodies under Section 5 of Environment (Protection) Act, 1986, as to why the Board shall not levy Interim Environmental Compensation for non-compliance of Solid Waste Management Rules.

Show Cause Notice has also been issued to the Greater Chennai Corporation for the non-compliance of SWM Rules, 2016 as to why prosecution should not be launched by filing a complaint as per the powers conferred under Environment (Protection) Act, 1986 against the Chief Engineer, Solid Waste Management, Greater Chennai Corporation and the Local Body.

Criminal case has also been filed on 18.04.2022 before the Hon'ble Chief Judicial Magistrate Court, Chengalpattu against the Mamallapuram Special Grade Town Panchayat to prosecute the Local Body (Mamallapuram Special Grade Town Panchayat) for non-compliance of Solid Waste Management Rules, 2016 and for violation of Rule 22 of Solid Waste Management Rules, 2016 under Sections 15, 17 and 19 (a) of the Environment (Protection) Act 1986.

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5.4.2 Sewage Treatment Plant by the Local Bodies

In Tamil Nadu, total sewage generation in the Urban Local Bodies is around 3938 MLD from the population of 72.14 million. There are 82 STPs with a total capacity of 1766.25 MLD in operation in all 15 Corporations and in selected Municipalities and Town Panchayats and 33 STPs with a total capacity of 874.12 MLD are under construction stage as on April 2022. The TNPCB have issued directions to the Urban 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:

Details of operational Sewage Treatment Plants by Local Bodies in Tamil Nadu

Sl. No	Name of the Local Bodies	Capacity of STP (MLD)
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		
1	Nesapakkam Zone –IV	23.00
2	Koyambedu Zone – III	34.00
3	Kodungaiyur Zone II	80.00
4	Kodungaiyur Zone I	80.00
5	Perungudi Zone - V	12.00
6	Koyambedu Zone - III	60.00
7	Kodungaiyur Zone I& II	110.00
8	Nesapakkam Zone –IV	40.00
9	Perungudi Zone-V	54.00
10	Perungudi Zone-V	60.00
11	Nesapakkam Zone –IV	54.00
12	Koyambedu Zone – III	120.00
13	Sholinganallur	18.00
Director of Municipal Administration (DMA)		
14	Coimbatore- 1	70.00
15	Coimbatore- 2	60.0
16	Vellore	10.28
17	Dindigul	13.65
18	Avadi	36.00
19	Avadi	4.00
20	Madurai-1	125.00
21	Madurai-2	45.70
22	Thanjavur	28.05
23	Tiruppur	15.00
24	Cuddalore	12.25
25	Kanchipuram	14.70
26	Maraimalai Nagar	2.20
27	Tiruvallur	6.20
28	Chidambaram	9.44

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Sl. No	Name of the Local Bodies	Capacity of STP (MLD)
29	Thiruvannamalai	8.70
30	Viluppuram – Kakuppam	9.00
31	Viluppuram -Erumanthangal	3.50
32	Arakkonam	11.04
33	Thirupathur	11.43
34	Bodinayakkanur	12.08
35	Chinnamanur	3.99
36	Periyakulam	5.47
37	Ramanathpuram	7.00
38	Rasipuram	6.96
39	Theni-Allinagaram	12.05
40	Sivagangai	4.92
41	Dharmapuri	4.86
42	Karur	15.0
43	Krishnagiri	12.34
44	Namakkal	5.00
45	Nagapattinam STP-1	9.63
46	Nagapattinam STP-2	2.96
47	Tiruvarur	6.92
48	Ariyalur	4.16
49	Pudukkottai	10.62
50	Perambalur	4.20
51	Udhagamandalam	5.00
52	Udumalaipet	7.81
53	Virudhunagar	7.65
54	Tambaram	30.0
55	Tuticorin	28.0
56	Tiruchirappalli	58.0
57	Salem - Vellakuttai STP	13.0
58	Salem - Anaimedu STP	6.00
59	Salem - Mankuttai STP	35.00
60	Salem - Vandipettai STP	44.00
61	Tirunelveli	24.20
62	Erode	50.55
63	Mettur STP-1	0.82
64	Mettur STP-2	0.92
65	Mettur STP-3	5.45
66	Kumbakonam	17.00
67	Mayiladuthurai	5.85

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Sl. No	Name of the Local Bodies	Capacity of STP (MLD)
68	Sathiyamanagalam	4.08
69	Thiruchendur	3.90
70	Ulunderpettai	3.15
71	Pollachi	11.25
72	Mettupalayam	8.65
Commissioner of Town Panchayats (CTP)		
73	Mamallapuram Town Panchayat	2.34
74	Orathanadu Town Panchayat	2.30
75	PalaniChettyppatti Town Panchayat	2.80
76	Thirumazisai Town Panchayat	3.00
77	Velankanni Town Panchayat	2.33
78	Manachanallur Town Panchayat	6.41
79	S. kannanur Town Panchayat	
80	Vallam Town Panchayat	2.35
81	Perundurai Town Panchayat	3.14
82	Melachokanathapuram Town Panchayat	2.00

Status of Sewage Treatment Plants under construction by Local Bodies in Tamil Nadu

Sl.No.	Location	Capacity of the plant (MLD)
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		
1	Sholinganallur	54 (36+18)
2	Thiruvottriyur	31
3	Kodungaiyur Zone - I	120
4	Kodungaiyur Zone - II	120
5	Nesapakkam Zone - IV	50
6	Perungudi Zone - V	60
7	Nesapakkam TTUF	10
8	Perungudi TTUF	10
9	Chennai River Restoration Trust (CRRT),Chetpet MSTP	1
10	CRRT, Nungambakkam MSTP	1.2
11	CRRT, Langs Garden MSTP	10
12	CRRT, Todd Hunter Nagar MSTP	0.4*4=1.6
13	CRRT, Kotturpuram MSTP	0.3*2=0.6
Director of Municipal Administration		
14	Ambur	16.71
15	Coimbatore - Nanjudapuram	40.0
16	Coimbatore – Kuruchi & Kuniyamuthur	30.53
17	Karaikudi	16.0

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Sl.No.	Location	Capacity of the plant (MLD)
18	Nagercoil	20.86
19	Rajapalayam	21.85
20	Rameshwaram	4.08
21	Sattur	4.65
22	Tiruppur(Expansion of existing)	15.0
23	Tiruppur(Sarkarperipalayam)	36.0
24	Tiruppur(Chinnandipalayam)	20.0
25	Vellore	50.0
26	Tindivanam	11.44
27	Villupuram Added Area	4.56
28	Pammal & Anagaputhur	27.0
29	Tiruchirapalli-STP-1	30.0
30	Tiruchirapalli-STP-2	37.0
31	Ponneri	6.52
Commissioner of Town Panchayats		
34	Sriperumbudur Town Panchayat	8.50
35	Thiruporur Town Panchayat	4.02

The treated sewage is either used for irrigation or let into water bodies after satisfying the standards prescribed by TNPCB. As per Hon'ble National Green Tribunal Order, dated 27.11.2018 in O.A.No.148/2018, an action plan for utilization of treated sewage in the State of Tamil Nadu as prepared by the Municipal Administration & Water Supply Department, Government of Tamil Nadu was submitted to the CPCB on 06.08.2019.

TNPCB has instructed the Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Director of Medical Administration and Commissioner of Town Panchayat to complete the underground sewerage system in the unsewered area and to ensure 100% treatment of sewage in Tamilnadu and 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.

5.4.3 Construction and Demolition Waste Management

The MoEF&CC, Gol have notified the Construction and Demolition Waste Management Rules, 2016. These rules are notified exclusively to manage waste from construction 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 to grant authorization for the waste processing facility and monitor the implementation of these rules. The TNPCB has issued directions to all the Local Bodies to take necessary action to comply with the provisions of the rules and to provide suitable sites for setting

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up for the storage, processing and recycling facilities for construction and demolition waste. The 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.

5.4.4 Plastic Waste Management

The Ministry of Environment, Forest and Climate Change, Government of India has notified the Plastic Waste Management Rules, 2016. In the State of Tamil Nadu, there are 21 Corporations, 138 Municipalities and 490 Town Panchayats. The estimated plastic waste generated for the year 2021-2022 from those Local Bodies is around 1088 tons/day, out of which 95% is collected and segregated by the respective Urban Bodies in which the recyclable plastic waste are sold to the recyclers and non-recyclable plastic waste are sent for co-incineration in cement plants.

As per Rule 13 of Plastic Waste Management Rules, 2016, the plastic manufacturers shall obtain Registration from the Board. The Board has issued registration to 29 compostable plastic manufacturing units, 230 plastic waste recycling units. The Board submits the annual report in Form-VI to the CPCB.

Ban on One Time Use and Throwaway Plastics

The Government (*Vide G.O. (Ms).No.84, Environment and Forests (EC.2) Department dated 25.06.2018*) have issued orders by banning fourteen types of 'use and throwaway plastic items irrespective of thickness. The ban is in effect from 01.01.2019. Alternatives for banned plastic items are Plantain leaves, areca nut plates, lotus leaves, aluminium foils, paper rolls/paper straw/ paper flags, glass/metal tumblers, bamboo, Wooden and earthen products, Cloth/Cloth flags, Jute bags & compostable plastic carry bags, ceramic wares.

The Board in co-ordination with line departments took various actions for effective implementation of the ban on One Time Use of Plastics and Throwaway Plastics, which includes awareness programs through regional conferences, district environmental committee meetings, rallies at district headquarters, messages through social media, display board in national highway toll gates etc. As part of action on violators, the Board issued orders for closure of 175 units who manufactured banned plastic items.

People's Campaign for Throwaway Plastics -Meendum Manjappai Awareness Campaign

The Government of Tamil Nadu has issued a G.O. (Ms) No. 116 of Environment, Climate Change & Forest (EC.2) Department dated 27.11.2021 notifying 4 strategies to be adopted to fight plastic pollution and eliminate single use plastics, roadmap for single use plastic ban, activities for "Meendum Manjappai" campaign and proposed plans for successful implementation of the People's campaign on one time use and throwaway plastics.

In order to prevent single use plastic pollution and to revive traditional cloth bags, the Hon'ble Chief Minister of Tamil Nadu has launched a mega event on 23.12.2021 by flagging off the "Meendum Manjappai" campaign, launch of Manjappai logo for the campaign, display of various

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eco-friendly alternatives in the exhibition stalls along with machineries for production of eco-friendly alternatives, screening of awareness short film on the ill effects of single use plastic and to use traditional cloth bag (manjappai) and also made an appeal to the public to use cloth bags and to avoid single use plastics. Subsequently, awareness campaign are being carried out in all the districts includes viz., vehicle campaign, distributing pamphlets to the public, display of posters in public gathering areas such as hospitals, hotels, industrial estates, Malls, Bus stand, Railway station, Theaters, etc.

The Government of Tamil Nadu 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 the Chairmanship of the Commissioner for Greater Chennai Corporation area (*vide G.O. Ms. No. 25 ECC&F Department dated 07.02.2022*) for monitoring the implementation of Single Use Plastic (SUP) ban. The first meeting of the STF was held on 05.03.2022.

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) Rules, 2016. As per the rules, hazardous waste means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment. 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 has identified 4,284 units generating hazardous wastes and issued authorization to 4,266 industries as on 31.03.2022. During the period 2021-2022, about 8.21 lakhs tons of hazardous waste is annually generated in which 0.953 lakhs tons is landfillable, 1.14 lakhs tons is recyclable, 0.189 lakhs tons is incinerable and 5.93 lakhs tons is utilizable. The Board is taking effective steps in handling, management, treatment and disposal of hazardous wastes in an environmentally safe manner.

Hazardous Waste generation, recycle, utilization and disposal during 2021-2022

District Office-wise hazardous waste generated (MT) for the period 2021-2022 are as follows:-

Sl. No	Name of the District	Total No of Units possessing authorisation	*Quantity of Hazardous Waste generated as per Annual Return within the State /UT (Metric Tonnes)				Total Quantity
			Land-fillable	In-cinerable	Re-cyclable	Utilizable	
			6	7	8	9	
1	Ambattur	249	7347	1380	4372	5205	18304
2	Ariyalur	28	103	38.61	312.13	37258.8	37712.54
3	Chennai	150	436.49	476.74	3839.45	0.00	4752.68
4	Coimbatore(N)	149	3088	557.7	159.66	3420.669	7226.029
5	Coimbatore(S)	162	262.52	693.95	632.23	0	1588.7

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Sl. No	Name of the District	Total No of Units possessing authorisation	*Quantity of Hazardous Waste generated as per Annual Return within the State /UT (Metric Tonnes)				Total Quantity
			Land-fillable	In-cinerable	Re-cyclable	Utilizable	
			6	7	8	9	
6	Cuddalore	56	9361.54	81.168	2315.887	0	11758.595
7	Dharmapuri	16	0.01	0	14.101	0	14.111
8	Dindigul	60	1007.059	309.3973	143.798	2456.2	3916.4543
9	Erode	265	1876.8	0	6190.96	0	8067.76
10	Gummidipondi	144	4484.35	409.91	602.54	155.31	5652.11
11	Karur	97	1764.09	0	7299.92	270058.8	279122.81
12	Hosur	177	5770.7436	603.5267	44431.7635	5926.5231	56732.557
13	Kumarapalayam	117	213.01	0	585	0	798.01
14	Madurai	89	215.25	53.79	250.034	7.25	526.324
15	Maraimalai Nagar	333	5787.6906	2064.683	3684.0605	2563.44	14099.874
16	Nagapatinam	11	60.01	0	4.619	0	64.629
17	Nagercoil	22	4.172	0	40.322	0	44.494
18	Namakkal	16	12.62	0	4.83	0	17.45
19	Ooty	19	269.09	14.2	13.453	0	296.743
20	Perundurai	171	1672.14	0	20.64	5639.58	7332.36
21	Pudukottai	41	127.36	107.4	264.62	0	499.38
22	Ramanathapuram	15	0.023	0.452	29.9	0	30.375
23	Salem	112	2358.45	1487.909	895.471	4186.657	8928.487
24	Sivagangai	27	20.6754	0.783	14.86842	29.38	65.70682
25	Sriperumbudur	375	7063.7128	7230.584	7000.46317	0	21294.76
26	Thanjavur	23	86.465	2.922	60.607	0	149.994
27	Theni	18	96.225	0	18.241	195.571	310.037
28	Thiruvanna-malai	27	41.68	10.604	465.464	0	517.748
29	Thoothukudi	49	13323.43	0	50.933	29.877	13404.24
30	Tirunelveli	41	108.86	17.53	2075.562	120421.256	122623.21
31	Tiruppur North	463	573.228	1030.64	8262.3912	9243.56	19109.819
32	Tiruppur South	91	36.307	182.519	6206.149	7210.196	13635.171
33	Tiruvallur	106	1647.6136	771.731	9559.9142	0	11979.259
34	Trichy	71	5920.43	51.78	394.70	50.55	6417.46
35	Vaniyambadi	206	6771.021	0	5.596	6501.18	13277.80
36	Vellore	175	9528.11	1299.08	2860.93	48.62	13736.74
37	Villupuram	42	207.045	22.4	689.958	5114.753	6034.156
38	Virudhunagar	53	3653.551	4.566	673.997	106986.596	111318.71
	Total	4266	95299.774	18904.57	114447.161	592709.771	821361.28

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Hazardous Waste Recycling

The Board is encouraging recycling of hazardous wastes as listed in Schedule-IV of Hazardous and Other Waste (Management and Transboundary) Rules, 2016 adopting Environmentally Sound Technologies and following guidelines issued by CPCB in this regard. As on 31.03.2022, the Board has authorized 95 HW Recyclers for recycling of nine different hazardous wastes such as non-ferrous metal wastes (brass, zinc, copper), spent catalyst, used lead batteries, paint waste, e-waste and used & waste oil. The 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. The break up details is as follows:-

Details of hazardous wastes recycled with quantity during 2021-2022

Sl. No.	HW recycle as per Schedule-IV	No of Facilities authorized for HW recycling	Authorized Capacity (MTA)	Quantity Recycled during 2021-2022 (MT)	
				Imported	Other than imported
1	Brass Dross	1	300	0	0
2	Zinc Bearing Wastes	12	11569.6	0	1817.935
3	Copper Bearing Waste	8	33344	6228.80	0
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt	1	17390	0	0
5	Lead bearing waste including battery waste	25	453240	7408.035	41095.709
6	E-Waste	2	31200	0	0
7	Paint and ink Sludge/residues	1	2000	0	0
8	Used oil	26	100841.4	0	4964.274
9	Waste Oil	19	69085.22	0	1949.207
	TOTAL	95	719090.2	7408.035	49835.125

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 Operating Procedures (SOPs) or Guidelines issued by CPCB is specified under provision of Rule 9 of Hazardous and Other Waste (Management and Transboundary) Rules, 2016. The Board has authorized utilization of three HW categories under Schedule-1 namely (1) spent solvent, (2) spent dichromate solution and (3) decontamination (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, waste paper, waste rubber etc.

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Details of hazardous wastes utilized with quantity during 2021-2022 are as follows:-

Hazardous & Other Wastes Utilization	No of Facilities authorized for HW utilization	Authorized Capacity (MTA)	Quantity Utilized during 2021-2022 (MT)	
			Imported quantity	other than imported quantity
Non Captive Utilization of hazardous waste				
1. Recovery of solvents from spent solvents	10	21226.55	0	5369.691
2. De-contamination of contaminated drums/containers/barrels	18	655119	0	15107.82
3. Utilisation of waste sodium dichromate solution	3	4668.4	0	2526.28
TOTAL	31	681013.95	0	23003.791
Captive utilization of hazardous wastes				
1. Iron & Steel	47	1275510	460694.7678	112887.57
2. Aluminium	5	82170	3500.635	109.52
3. Waste Paper	54	2243130	509734.5	314792.5
4. Discarded Asbestos	1	960.24	584.853	0
5. Lead Scrap	2	6668	108.48	338.32
6. Nickel Scrap	1	3000	0	0
TOTAL	110	3611438	974623.2358	428127.91

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 12 cement industries to process 15,09,445 TPA of utilizable wastes in cement kilns for co-processing. During the year 2021-22, about 2.18 lakhs tons of ETP sludge has been utilized in various cement industries of Tamil Nadu for co-processing.

Details of Cement Industries authorized for Co-processing are as follows:-

Sl. No	Name and Address of the Cement Industry	Permitted Quantity (MTA)
1.	M/s Chettinad Cement Corporation Pvt Ltd, Keelapalur Village, Ariyalur Taluk, Ariyalur District.	1,18,000
2.	Ariyalur M/s. Dalmia Cement (Bharat) Ltd, Palinganatham Village, Ariyalur Taluk, Ariyalur District.	3,84,500
3.	M/s Dalmia Cement (Bharat) Limited, Govindapuram Village, Ariyalur Taluk, Ariyalur District.	2,11,800
4.	M/s The India Cements Limited, Dalavoi Village, Sendurai Taluk, Ariyalur District.	7,800
5.	M/s The Ramco Cements Limited, Alathiyur Village,	26,800

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Sl. No	Name and Address of the Cement Industry	Permitted Quantity (MTA)
	Sendurai Taluk, Ariyalur District.	
6.	The Ramco Cements Limited, Govindapuram Village, Ariyalur Taluk, Ariyalur District.	6,000
7.	M/s Ultra Tech Cement Limited, Reddipalyam Village, Ariyalur Taluk, Ariyalur District.	4,77,000
8.	M/s. Chettinad Cement Corporation Limited, Karikali Village, Vadasandur Taluk, Dindigul District.	37,500
9.	M/s. Chettinad Cement Corporation Limited, Puliur Village, Karur Taluk, Karur District.	1,85,900
10.	M/s. The India Cements Ltd, Padaveedu Village, Kumarapalayam Taluk, Namakkal District.	8,395
11.	M/s. The India Cements Ltd, Naranammalpuram Part-1 Village, Sankar Nagar, Tirunelveli Taluk, Tirunelveli Dist.	21,500
12.	M/s The Ramco Cements Ltd Tulukapatti Village, Virudhunagar Taluk, Virudhunagar District.	24,250

In order to encourage co-processing of hazardous wastes in cement kilns for beneficial purposes, four 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 43,322.37 tons of hazardous & other wastes during 2021-2022 and sent for co-processing in cement industries.

Common Hazardous Waste Disposal Facilities

There are two common Hazardous Waste Treatment Storage and Disposal Facilities (HW-TSDFs) in operation, one at Gummidipoondi in Tiruvallur district and another at Unduorumikidakulam in Virudhunagar district for scientific disposal of hazardous waste in safe manner. Common HW-TSDF at Gummidipoondi is having secured landfill facility, commenced in November 2007 and incinerator facility, commissioned in November 2009. As of 31.03.2022, 6.54 lakhs tons of hazardous waste has been landfilled and 0.51 lakh tons of hazardous has been incinerated in the facility. Common HW- TSDF at Virudhunagar is having only secured landfill facility, established in December 2016. As on 31.03.2022, 1.26 lakh tons of hazardous waste has been disposed in the facility.

List of Common TSDF in Tamil Nadu are as follows:-

Sl. No.	Name and address of the facility	Capacity (TPA)	Disposal during 2021-2022 (MT)
1	M/s. TamilNadu Waste Management Limited, SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur	1,00,000	71,132
		8000 TPA with capacity 1.5 T / hr.	3,935
2	M/s. TamilNadu Waste Management Limited, Unduorumikidakulam village, Tiruchuli Taluk, Virudhunagar	2,40,000	39,912.7

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Online Facility for Hazardous Waste Management

The Board has launched on 01.03.2016 online module for filing of application and processing for grant of Authorization under Hazardous and Other Waste (Management and Transboundary) Rules, 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 on 31st March 2022, 4284 industries have applied for Authorization under Hazardous and Other Waste (Management and Transboundary) Rules, 2016 through online facility, out of which 4266 industries have been granted Authorization under Hazardous and Other Waste (Management and Transboundary) Rules, 2016. Every year, industries/facilities covered under Hazardous and Other Waste (Management and Transboundary) Rules, 2016 shall submit Annual Returns in FORM-4 to TNPCB on or before 30th day of June. The Board has developed online facility in OCMMS for submission of Annual Returns online every year.

Tannery - IETPs and CETPs ZLD plants mixed salt

Around 82,860 tons of residual salt (mixed salt) generated from the Zero Liquid Discharge system of IETPs and CETPs of tannery sector are stored in the IETP & CETP premises. This needs to be disposed of for beneficial use. In this regard, the Board has directed the All India Skin & Hide Tanners and Merchants Association (AISHTMA). The Board has also facilitated for a scientific study through Central Salt & Marine Chemicals Research Institute (CSMCRI), Bhavnagar, Gujarat. The CSMCRI came out a treatment system for purifying the mixed salt so as to meet the specifications to use in Chlor Alkali industry, Soda ash making, textiles, pulp and paper industry, etc where common salt is normally used as a raw material. M/s. Tuticorin Alkali Chemicals and Fertilizers Limited, Thoothukudi has accepted to use the treated salt as raw material in their manufacturing process. The Board has direct the All India Skin & Hide Tanners and Merchants Association (AISHTMA) to speed up the process for installation of pilot plant. This is a milestone achievement in finding a solution for the long pending issue of disposal of mixed salt.

Textile dyeing units - IETPs and CETPs ZLD plants mixed salt

There is about 152316.7 tons of mixed salts generated from Agitated Thin Film Dryer (ATFD) of the ZLD plants of Textile dyeing units is stored in the IETPs and CETPs premises. Based on the report of the TNPCB, the CPCB (*vide letter dated 03.08.2017*) has given approval to a unit at Vedaranyam, Nagapattinam district for trial run for recovery of salt for industrial use by treatment of waste salts through salt pans. The Committee constituted by CPCB had visited the plant and recommended to the CPCB. Based on the said recommendations, in June 2021, the CPCB has issued Standard Operating Procedures (SOP) for the utilization of wastes generated from CETPs/ETPs of textile manufacturing/processing industries for recovery of salts for industrial use only.

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, bio-medical waste means any waste which is generated during diagnosis, treatment or immunization of human beings or animals or research activities pertaining thereto or in the production or testing of

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biological or in health camps. 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. The TNPCB has implemented online application receipt and processing module on 01.03.2016 for applying and granting authorization. The Board has so far issued authorization to 26597 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 HCFs. In Tamil Nadu, there are 12 CBMWTFs, out of which ten facilities are in operation and two 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 M/s. Ramky Energy and Environment Ltd., Virudhunagar for treatment and disposal. On an average, 45.215 Tons/day of bio-medical wastes are handled by these 10 facilities. In addition, three common facilities are under establishment in Gummidipoondi, Hosur and Tiruppur, and one more facility in Tiruvallur is under pipeline.

District wise daily average generation of Bio-Medical Waste are as follows:-

Sl. No.	Name of the District	Bio-medical Waste Generation (in kg/day)
1.	Chengalpattu	2935
2.	Chennai	10944
3.	Cuddalore	595
4.	Kancheepuram	861
5.	Tiruvallur	1358
6.	Villupuram & Kallakurichi	786
7.	Coimbatore	7130
8.	Tiruppur	1294
9.	Nilgiris	410
10.	Dharmapuri	335
11.	Krishnagiri	294
12.	Karur	287
13.	Erode	514
14.	Namakkal	190

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Sl. No.	Name of the District	Bio-medical Waste Generation (in kg/day)
15.	Salem	660
16.	Kanyakumari	1502
17.	Thoothukudi	687
18.	Tirunelveli & Tenkasi	1430
19.	Madurai	2307
20.	Dindigul	507
21.	Theni	418
22.	Ramanathapuram	378
23.	Virudhunagar	390
24.	Nagapatinam, Mayiladuthurai & Tiruvarur	515
25.	Thanjavur	630
26.	Trichy	1040
27.	Ariyalur & Perambalur	390
28.	Pudukottai	215
29.	Sivagangai	322
30.	Vellore, Ranipet & Thirupattur	5299
31.	Tiruvannamalai	595
	Total	45218

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

Sl. No.	Name & Address of the CBMWTFs	Areas covered
1	M/s. G. J. Multiclave (India) Pvt Ltd, Thenmelpakkam, Chengalpattu Taluk, Chengalpattu District.	Part of Chennai & Kancheepuram Districts
2	M/s. Tamilnadu Waste Management Ltd., Kinnar village, Maduranthakam Taluk, Chengalpattu District.	Cuddalore, Chennai (North), Part of Kancheepuram, Tiruvallur Districts
3	M/s. Medicare Enviro Systems, Sengipatti, Thanjavur Taluk, Thanjavur District.	Thanjavur, Thiruvarur, Trichy, Nagapattinam, Pudukottai, & Sivagangai Districts
4	M/s. Ken Bio Links Private Ltd., Kandipedu, Katpadi Taluk, Vellore District.	Vellore & Tiruvannamalai Districts
5	M/s. Ramky Energy and Environment Ltd, Thangayur, Salem District.	Salem, Namakkal, Erode, Dharmapuri, Krishnagiri & Karur Districts
6	M/s. Teknotherm Industries, Orattukuppai, Coimbatore District.	Coimbatore, Nilgiris & Tiruppur Districts
7	M/s. Aseptic System Bio Medical Waste Management Co., Pappankulam, Tirunelveli District.	Tirunelveli, Thoothukudi & Kanyakumari Districts

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Sl.	Name & Address of the CBMWTFs	Areas covered
8	M/s. Ramky Energy and Environment Ltd., Unduormikidaikulam, Virudhunagar District.	Madurai, Virudhunagar, Dindigul, Theni & Ramanathapuram Districts
9	M/s. Kovai Biowaste Management (P) Ltd, No.402,4TH Floor, Ramani's Fraser Square, Goods Shed Road, Coimbatore -1	Coimbatore, Tiruppur & Nilgiris Districts
10	M/s. Society for Bio Medical Waste Management Ottupattarai Village, Coonoor	Nilgiris Districts (Under Closure))
11	M/s. Neat and Clean Service Squad, Muthuvayal, Ramanathapuram District	Ramanathapuram District (Under closure)
12	M/s. Pondicherry Solid Waste Management Company Private Limited, S.F.No.275/2, T. Pudaiyur village, Virudhachalam Taluk, Cuddalore District	Cuddalore, Villupuram, Perambalur, Ariyalur, Kallakurichi

5.4.6.1 COVID-19 Bio-medical Waste Management

The Government of Tamil Nadu is taking several steps for the control of outbreak of COVID-19 pandemic. COVID-19 patients are given treatment in certain HCF's and samples of COVID-19 patients are tested in certain diagnosis labs / centers. The suspected patients are quarantined and monitored in quarantine camps / homes or home care facilities. COVID-19 bio-medical waste generated from the isolation wards of HCFs / Quarantine camps / homes or home care facilities / Testing Centers / Labs & ULBs are collected, transported, treated and disposed by the ten CBMWTFs as per the CPCB guidelines for Handling, Treatment and Disposal of waste generated during Treatment / Diagnosis / Quarantine of COVID-19 patients.. The daily collection and disposal of COVID-19 bio-medical waste details are uploaded in TNPCB website.

5.4.7 E-Waste Management

The MoEF&CC, Gol have notified the E-Waste Management Rules, 2016. Electronic waste or e-waste comprises old and end of life electrical and electronic appliances such as telephones, cellular telephones, computers, laptops, television sets, refrigerators, washing machines, air-conditioners, fluorescent and other mercury containing lamps etc. The Rules apply to every Manufacturer, Producer, Consumer, Bulk Consumer, Collection Centre, Dealer, E-Retailer, Refurbisher, Dismantler and Recycler involved in the manufacture, sale, transfer, purchase, collection, storage and processing of e-wastes or electrical and electronic equipments.

As per the Rules, the producer of the electrical and electronic equipments shall be responsible for collection and channelization of e-wastes generated from the "end-of-life" of their products under Extended Producer Responsibility (EPR). The CPCB issues EPR authorization to the Producers for environmentally sound management of e-waste. Totally, 120 Producers located in the State of Tamil Nadu have obtained Extended Producer Responsibility (EPR) Authorization from the CPCB. As per the Rules, SPCB shall grant and renew authorization to the Manufacturers, Dismantlers, Recyclers and Refurbishers. So far the TNPCB has issued authorization to 40 units (35 Dismantlers, 4 Recyclers and 1 Refurbisher).

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The Hon'ble National Green Tribunal (Principal Bench) in its order dated 12.02.2019 in O.A.No.512/2018 has adopted the action plan submitted by CPCB for management of e-wastes generated in India. As per the orders of the Hon'ble NGT, the Board is conducting periodical inspection of EPR authorized Producers, Dismantlers, Recyclers and Refurbishers for verification of conditions stipulated in the authorization for environmentally sound recycling and to take action against the violators. The Board submits the quarterly report on verification of EPR authorized Producers, Dismantlers, Recyclers and Refurbishers to the CPCB.

The Board is maintaining online information on authorizations granted to the Dismantlers, Recyclers and Refurbishers. As per the annual return furnished by the e-waste Dismantlers, Recyclers and Refurbishers, about 31143.21Tons e-waste is collected, dismantled and recycled during the year 2021-2022. As per the Rules, the SPCB shall carryout e-waste inventorisation. Accordingly, the TNPCB has awarded the project of e-waste inventorisation in the State to the National Productivity Council and based on the report submitted by them, the District Environmental Engineers (DEEs) are inspecting to bring the inventorised stakeholders under the purview of E-Waste Management Rules 2016.

5.4.8 Battery Waste Management

The MoEF&CC, Gol have notified the Batteries (Management and Handling) Rules, 2001 as amended, 2010. As per the Rules, battery means lead acid battery which is a source of electrical energy. This Rule applies to every Manufacturer, Importer, Re-conditioner, Assembler, Dealer, Recycler, Auctioneer, Consumer and Bulk Consumer involved in manufacture, processing, sale, purchase and use of batteries or components thereof. As per Rule 12 of the said Rules, the prescribed authority for ensuring compliance of the provisions of these Rules shall be the State Board. The annual return status submitted to CPCB for year 2021 is given below.

1. Manufacturers

Number of Manufacturer	Number of Manufacturers submitted returns	Quantity of batteries Sold		Quantity of used batteries sent to Authorized recyclers		No of collection centres	No of dealer	No of registered Dealers
		Nos.	Weight (Kg)	Nos.	Weight (Kg)			
22	21	6264272	41932526.3	786155	5058800	271	799	274

2. Assemblers

Number of Assemblers	Number of Assemblers submitted returns	Quantity of batteries Assembled and Sold		Quantity of used batteries sent to Authorized Recyclers	
		Nos.	Weight (Kg)	Nos.	Weight (Kg)
8	8	48203	91166	259	7612

3. Importers

Number of Importer	Number of Importer submitted returns	Quantity of batteries Sold		Quantity of used batteries sent to Authorized Recyclers	
		Nos.	Weight (Kg)	Nos.	Weight (Kg)
9	9	5926	28118	0	0

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4. Bulk Consumers

Number of Bulk Consumers	Number of Bulk Consumers submitted returns	Quantity of batteries Sold		Quantity of used batteries sent to Authorized Recyclers	
		Nos.	Weight (Kg)	Nos.	Weight (Kg)
64	60	131319	2694587.48	16641	136389.9

5. Auctioneers

Number of Auctioneers	Number of Auctioneers submitted returns	Quantity of batteries Sold		Quantity of used batteries sent to Authorized Recyclers	
		Nos.	Weight (Kg)	Nos.	Weight (Kg)
4	4	19695	92914.5	19289	92910

6. Recyclers

No. of Authorized Re-cyclers	Capacity of Re-cyclers in MT/Y	Weight of used batteries received from and recycled (T/A)							
		Manu-facturer	Assembler	Dealer	Importer	Bulk Consumer	Auction-eer	Self-Imported	Other sources
27*	325235	2352.737	0	42474.188	3408	4586.608	3140.819	19848.929	283.051

Out of 27 authorized recyclers, 16 authorized recyclers have submitted returns and 2 are not working.

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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. Human health is affected due to poor air quality. Principally, air pollution affects the body's respiratory system and the cardiovascular system. Under the provisions of the Air (Prevention and Control of Pollution) Act, 1981, the Government of Tamil Nadu have declared the entire state of Tamil Nadu as air pollution control area 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	Commercial (Traffic intersection)
4	Kathivakkam	Industrial
5	Manali	Industrial
6	Nungambakkam	Commercial (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 dioxides (NO₂). The annual average values recorded from April 2021 to March 2022 reveals that PM₁₀, PM_{2.5} was well within the standards. The parameters SO₂ and NO₂ were also within the standards (Annexure-VI). 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.

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6.1.1.1 Action for improvement of air quality of Chennai

A Public Interest Petition (O.A.No.422 of 2013) was filed before the Hon'ble National Green Tribunal (Southern Bench) with a prayer of making Chennai free from pollution and also to protect the wellness of residents and environment of the city. The Hon'ble NGT directed for a scientific study by the CPCB and TNPCB. The CPCB and TNPCB have carried out a detailed study of Chennai air quality and submitted a report in April 2019 to the Hon'ble NGT. The study concluded that vehicular emissions contribute major sources of air pollution which need to be controlled to the maximum possible level adopting alternate clean and green fuels like Compressed Natural Gas (CNG) particularly in urban centers. The study report is also sent to the Government for further action.

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 station locations are given below.

National Air Quality Monitoring Programme (NAMP) - Other Cities & Major Towns		
Sl. No.	Station location	Land use zone
	Thoothukudi	
1	NTPL Quarters	Industrial
2	SIPCOT	Industrial
3	A.V.M. Building	Commercial
	Coimbatore	
4	District Collector's Office	Commercial
5	Ponniyarajapuram	Residential
6	SIDCO Building	Industrial
	Salem	
7	Siva Tower	Commercial
	Madurai	
8	Pichaipillai Chavadi	Industrial
9	Birla Guest House	Commercial
10	Hotel Tamil Nadu	Residential
	Trichy	
11	Thennur	Commercial
12	Main Guard Gate	Traffic intersection
13	Bishop Heber College	Commercial
14	Golden rock	Residential
15	Central bus stand	Traffic intersection
	Cuddalore	
16	Echankadu Village	Residential
17	Imperial Road	Commercial
18	SIPCOT	Industrial
	Mettur	
19	Raman Nagar	Residential
20	SIDCO	Industrial

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 2021-2022 indicates that the parameters Sulphur dioxide and Nitrogen dioxide are well within the standards in all the stations. The annual average value of PM₁₀ was found to be exceeding the standards in some of the stations. The exceedance of PM₁₀ at Thoothukudi is mainly due to the increase in number of vehicles, re-suspension of

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surface dust, heavy commercial and industrial activities. The annual average values of pollutants recorded at the above monitoring stations during the period 2021-2022 is given in Annexure-VI. The Ambient Air Quality (AAQ) data and the Air Quality Index (AQI) are uploaded in the TNPCB web site. The data is also uploaded in the CPCB portal.

6.1.3 Expansion of stations under the National Air Quality Monitoring Programme (NAMP)

In order to cover all the Districts under the NAMP programme, the Board has increased the present 28 NAMP stations to 52 stations. Accordingly, three monitoring stations each were installed in eight towns (i.e.) Dharmapuri, Nagercoil, Perambalur, Sivagangai, Tiruvarur, Theni, Villupuram and Thiruvannamalai. All the stations were commissioned and working. The station locations are given below.

National Air Quality Monitoring Programme (NAMP) - New Stations		
Sl. No.	Station location	Land use zone
	Tiruvannamalai	
1	O/o District Environmental Engineer	Commercial
2	O/o Municipal Commissioner	Commercial
3	O/o Joint Director, Animal Husbandry Dept	Residential
	Sivagangai	
4	DEE office, TNPCB.	Commercial
5	SIDCO Industrial Estate	Industrial
6	Muthu Mahal Campus, Bose Road	Commercial
	Theni	
7	Raghavan Colony	Residential
8	Sar Complex, Boothipuram Road	Commercial
9	SIDCO Complex, Aandipatti	Industrial
	Tiruvarur	
10	Thiru.Vi.Ka. Govt Arts College	Residential
11	Near ONGC Water Plant	Industrial
12	New Bharath Matric Higher Secondary School	Silence
	Villupuram	
13	O/o.DEE, TNPCB	Commercial
14	Govt. Villupuram Medical College & Hospital	Industrial
15	University College of Engineering	Residential
	Perambalur	
16	Govt. Head Quarters Hospital	Sensitive
17	M/s Aavin Parlour Building	Commercial
18	Elambur Road	Primary Residential
	Dharmapuri	
19	Collector Office	Residential
20	SIDCO Industries	Industrial
21	Siddha Verrappa Chetty street	Commercial
	Nagercoil	
22	Anna University Campus	Industrial
23	Scot Christian college	Residential
24	Aavin Parlour Building	Commercial

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6.1.4 Continuous Ambient Air Quality Monitoring Stations

Apart from NAMP stations, in order to monitor the ambient air quality on real time continuous basis in major cities and industrial clusters, the Board installed 34 numbers of Continuous Ambient Air Quality Monitoring Stations (CAAQMS). Out of which five stations are in Chennai (viz.) Koyambedu, Royapuram, Perungudi, Kodungaiyur and Manali. The remaining stations are at Gummidipoondi, Thoothukudi, Perundurai, Coimbatore, Tiruvallur, Kancheepuram, Chengalpattu, Vellore, Ranipet, Krishnagiri, Trichy (2 stations – Rural & Urban), Dindigul, Salem, Cuddalore (2 stations – SIPCOT & Urban), Nagapattinam, Ariyalur, Thanjavur, Pudukkottai, Karur, Namakkal, Tiruppur, Coimbatore, Udthagamandalam, Ramanathapuram, Madurai, Virudhunagar and Tirunelveli. PM₁₀, PM_{2.5}, SO₂, NO₂, NH₃, O₃, CO and BTX are monitored. The data recorded in CAAQMS during the year 2021-2022 is given in Annexure-VII-A. The AAQ data and AQI on real-time are linked to the TNPCB website.

In addition to the above, the industries have also been installed the CAAQMS in their plant vicinity and the same is connected to Care Air Centre (CAC) of TNPCB. As such 154 stations are connected to Care Air Centre (CAC).

6.1.5 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 2021-2022, totally 36 surveys were conducted in the districts of Chennai, Kancheepuram, Chengalpattu, Tiruvallur and Namakkal. 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 2021-2022 are given in Annexure-VII-B.

6.1.6 Environmental Monitoring during Festivals

Every year, the people of Tamil Nadu celebrate various festivals like Pongal (Bhogi), Vinayagar Chaturthi 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 Chaturthi festival. AAQ monitoring was conducted during Deepavali 2021 and the report is given in Annexure-VIII-A. Awareness was created and monitoring was carried out during pre-Bhogi and Bhoghi 2022 and the report is given in Annexure-VIII-B.

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6.1.7 Care Air Centre

In order to monitor both source emissions and ambient air quality on a real time basis of the industries, the 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.

Upto 31.03.2022, in 820 Industries 405 stacks, 154 CAAQMS and 370 Effluent outlets are connected to this centre. District wise number of units connected to Care Air Centre (CAC) is given in table below.

District wise number of units connected to Care Air Centre:

Sl. No.	District Name	No. of Industries connected to CAC	No. of 17 Category Industries connected to CAC	Source Emission (Stack)	Ambient (CAAQMS)	Effluents
1	Ariyalur	23	9	11	11	7
2	Chengalpattu	47	6	27	11	15
3	Chennai	13	0	4	7	3
4	Coimbatore	71	1	64	3	5
5	Cuddalore	61	18	27	18	36
6	Dharmapuri	5	2	3	0	2
7	Dindigul	10	1	6	1	4
8	Erode	75	5	17	3	58
9	Kallakurichi	7	3	3	0	4
10	Kancheepuram	30	1	19	8	9
11	Kanyakumari	0	0	0	0	0
12	Karur	11	4	5	3	5
13	Krishnagiri	27	5	16	4	9
14	Madurai	5	2	3	0	2
15	Mayiladuthurai	2	1	2	0	0
16	Nagapattinam	11	1	6	0	6
17	Namakkal	11	5	5	2	5
18	Perambalur	7	4	3	0	4
19	Pudukottai	6	1	2	2	2
20	Ramanathapuram	8	0	4	0	6
21	Ranipet	9	2	4	2	4

VI. ENVIRONMENTAL QUALITY MONITORING PROGRAMMES.

Sl. No.	District Name	No. of Industries connected to CAC	No. of 17 Category Industries connected to CAC	Source Emission (Stack)	Ambient (CAAQMS)	Effluents
22	Salem	29	4	17	10	11
23	Sivagangai	7	2	4	0	4
24	Tenkasi	0	0	0	0	0
25	Thanjavur	9	4	3	0	6
26	The Nilgiris	4	0	1	0	3
27	Theni	3	2	0	0	3
28	Tirunelveli	18	3	9	2	11
29	Thiruvallur	126	27	74	43	35
30	Tiruvarur	1	0	0	0	0
31	Tirupathur	8	6	2	0	6
32	Tiruppur	61	2	9	0	52
33	Tiruvannamalai	5	3	3	0	2
34	Trichy	18	6	11	3	7
35	Tuticorin	32	10	15	13	13
36	Vellore	37	6	15	5	20
37	Viluppuram	10	6	4	0	7
38	Virudhunagar	13	2	7	3	4
Total		820	154	405	154	370

6.1.8 Non Attainment Cities

The CPCB has identified 132 cities as non attainment cities in India including Thoothukudi in Tamil Nadu based on the monitoring data for the period 2011-2015. The Hon'ble NGT in its order dated 08.10.2018 in O.A No 681 of 2018 has directed the TNPCB to prepare and finalize the action plan for the non attainment city – Thoothukudi in coordination with various Government Departments. Accordingly, action plan was prepared and the same was approved by the CPCB. The action plan for the Thoothukudi city is now under implementation in coordination with various stakeholders. The Hon'ble NGT (PB), Delhi in its order dated 06.08.2019 has also identified Trichy as non attainment city. Subsequently Madurai and Chennai were identified as non attainment cities by CPCB in the year 2020 and 2021. The action plan prepared for Trichy, Madurai and Chennai cities was approved by CPCB on 07.01.2022 and the action components are under implementation. Ministry of Environment and Forest (MoEF) has organized a workshop on "Sensitization cum Review Workshop National Clean Air Programme (NCAP) & XV-FC Million Plus Cities Challenge Fund (XV-FC MPCCF Southern region) at Chennai during 21st and 22nd May 2022.

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6.2 WATER QUALITY MONITORING

6.2.1 National Water Quality Monitoring Programme

The TNPCB is monitoring the inland water quality under two major programmes namely Global Environmental Monitoring System (GEMS) from 1984 and Monitoring of Indian National Aquatic Resources (MINARS) from 1988. Later the programmes were renamed as National Water Quality Monitoring Programme (NWMP). Under this programme, major rivers and lakes water quality is monitored. Accordingly eight rivers i.e., Cauvery and its tributaries, Bhavani, Sarabanga, Vasista, Thirumanimutharu, Tamiraparani, Palar and Vaigai and eight lakes at Ooty, Kodaikanal, Yercaud, Veeranam, Porur, Poondi, Pulicat and Redhills are monitored periodically totaling 58 stations. The programmes are funded by the CPCB on a 70:30 basis.

Generally, the water quality of the rivers and lakes are categorized under Class A, B, C, D and E based on its Designated Best Use (DBU) as per CPCB criteria. Class A - Drinking Water Source without conventional treatment but after disinfection; Class B - Outdoor bathing (organized); Class C - Drinking water source after conventional treatment and disinfection; Class D - Propagation of wild life and fisheries; Class E-Irrigation, Industrial Cooling, and Controlled Waste Disposal. 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. Samples are collected at 33 stations. The samples are analysed in Board Laboratories. The values of water quality at sampling stations are given in Annexure-IX-A, IX-B and IX-C. 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.

Generally, the water quality of river Cauvery at all stations falls under Category A-B which is suitable for drinking purpose in months of July to February and during the summer from March to June the water quality falls under category C and D showing that the water quality has degraded due to very low flow or no flow in the river.

6.2.1.2 River Tamiraparani

The water quality of the Tamiraparani River is being monitored on monthly basis at 12 stations. The physico-chemical parameters and biological parameters are analysed in the Advanced Environmental Laboratories (AEL), Tirunelveli and the details are furnished in Annexure-X. The analysed data reveals that the water quality falls under class 'A' and 'B', i.e., the water quality in the stations at Papanasam, Cheranmadevi, Thiruvaidaimarudur, Ambasamudram Kokirakulam, Kallidaikurichi and Sivalaperi, falls under Class 'A', the water quality in the stations at Authoor, Eral, Srivaikuntam and Vellakovil falls under Class 'B' and the water quality at Murrappanadu falls under Class 'C' only during two months.

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6.2.1.3 River Palar

The water quality of River Palar is being monitored every month in one monitoring station at Vaniyambadi Municipal Head Works. The analysis of water samples is done in the Advanced Environmental Laboratories (AEL), Chennai for physico-chemical and biological parameters. The water quality of the Palar River collected for 11 months from infiltration well falls under Class 'A' and 'B'. The details are furnished in the Annexure-XI.

6.2.1.4 River Vaigai

The water quality of the Vaigai river is being monitored once in six months from the collection well of Thirubuvanam head works. At present, there is no yield of water in the collection well.

6.2.1.5 Lakes

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-XII.

6.2.2 Expansion of stations under National Water Quality Monitoring Programme (NWMP)

In January 2020, the Board has included 18 new stations under the NWMP. These stations are intended for monitoring the ground water quality considering the vulnerability of ground water pollution. Out of 18 stations, 4 stations will be monitored on monthly basis and 14 stations will be monitored on a half yearly basis. The stations are located at are various districts: viz. Erode (2), Karur (2), Tirunelveli (2), Thoothukudi (5), Trichy (2), Tiruvallur (1), Salem (3) and Namakkal (1).

6.2.3 National River Conservation Plan (NRCP)

As per the directions of the Hon'ble National Green Tribunal (PB) in O.A. No. 673 of 2018 in the matter of polluted river stretches, the CPCB has sanctioned additionally 51 stations for monitoring the water quality of rivers and sewage outfalls in the State. Out of 51 stations, 35 stations are in river Cauvery and its tributaries, Vaigai, Vennar, Tamiraparani, Palar, Adyar, Coovum, Buckingham Canal and Otteri Nullah, 16 stations are at the outlet of STPs in major cities viz, Chennai, Bhavani, Erode, Pallipalayam, Kumarapalyam, Mayiladuthurai, Madurai, Trichy, Thanjavur, Kumbakonam, Tirunelveli. Samples are collected in these stations on monthly basis. The data is given in Annexure-XIII.

6.2.4 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 19 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:-

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List of Water bodies and their Sampling locations

Sl. No.	Name of the Water body	Sampling Locations
1.	Adyar	<ul style="list-style-type: none">● Alandur Abraham Bridge● Thiru. Vi. Ka. Bridge● Nesapakkam 23 MLD STP● Nesapakkam 40 MLD STP● Nesapakkam 54 MLD STP
2.	Cooum	<ul style="list-style-type: none">● Thirumangalam Cause way● Chitra Takies Bridge● Nappier Bridge● Koyambedu 34 STP Outlet● Koyambedu 60 STP Outlet● Koyambedu 120 STP Outlet
3.	Buckingham canal	<ul style="list-style-type: none">● Wallaja Road Bridge● Kodingaiyur 40 MLD STP● Kodingaiyur 80 MLD STP● Kodingaiyur STP 110 MLD
4.	Otteri Nullah	<ul style="list-style-type: none">● Asprin Garden Bridge● Vysarpadi Road bridge

The Report of analysis of the above stations is given in Annexure-XIV-A, XIV-B, XIV-C and XIV-D. The Adyar, Cooum, Buckingham canal and Otteri Nullah 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 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.

6.2.5 Coastal Water Quality Monitoring

The Tamil Nadu Pollution Control Board is monitoring sea water quality at 34 locations 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-XV.

The locations namely Ennore Creek, Alamparaikuppam, Thalngadu, Kottakuppam, Tharangambadi Beach, Vellankani and Kollidam fall under SW-I category. The locations namely Muthupettai, Lagoon Nearby the Coast Line, Kezhathottam, Adiramapattinam, Mallipatanam, Kottaipattinam, Rameswaram, Erwadi, Thiruchendur, Punnakayal, Vembar, Uvari, Kanyakumari,

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Keezhamanakudy and Thangapattinam fall under SW-II. The locations namely Santhome Beach, Injambakkam, Mamallapuram, Kalpakkam, Cuddalore, Pichavaram and Koodankulam fall under SW-III. And the location Tiruvottiyur, Chennai Port Trust, Nagapattinam, Tuticorin and Colachel fall under SW-IV.

6.2.6 Polluted River Stretches

The CPCB has identified six numbers of river stretches in Tamil Nadu as 'Polluted River Stretches' based on the Bio-Chemical Oxygen Demand (BOD) levels in the rivers and categorized that 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).

1. River Sarabanga – Thathayampatti to T. Konagapadi Stretch – (15 Kms) – Priority – I.
2. River Thirumanimutharu – Salem to Papparapatti Stretch – (15 Kms) - Priority-I
3. River Vasista – Manivilundhan to Thiyaganur Stretch – (10 Kms) - Priority-I.
4. River Cauvery – Mettur to Mayiladuthurai Stretch – (200 Kms) –Priority-I.
5. River Bhavani-Sirumugai to Kalingarayan Stretch – (60 Kms) – Priority-IV.
6. River Tamiraparani-Pappankulam to Arumuganeri Stretch – (80 Kms) – Priority-V.

The water quality of the polluted river stretches indicated that the main cause of pollution is due to 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 has prepared and submitted the action plans with timelines for all the six stretches in coordination with the various departments 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.

6.2.7 Water Quality Watch Centre

The TNPCB has established a Water Quality Watch Centre (WAWC) at the Head Office, Chennai. It is functioning since July 2015. This centre monitors the quality of treated effluent at the outlet of the treatment plant on continuous basis through online. The 17 category of highly polluting industries, Red-Large industries and Common Effluent Treatment Plants are connected to this centre. As on 31st March 2022, 325 units are connected to this centre, of which 202 units for ZLD [170 IETPs & 32 CETPs] and 123 units for treated effluent discharge monitoring. The online

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monitors in the river Tamiraparani, Bhavani and Cauvery are connected to this centre. The parameters monitored through this centre include pH, TDS, DO and Flow. The District wise number of industries connected to WQWC are as follows:-.

District wise number of industries connected to WQWC

Sl. No.	District Name	Total Industries Connected to WQWC	Discharge IETP	CETP	ZLDS IETP	ZLDS CETP
1	Ariyalur	7	7	0	0	0
2	Chengalpet	0	0	0	0	0
3	Chennai	3	0	2	1	0
4	Coimbatore	5	1	0	4	0
5	Cuddalore	25	17	0	7	0
6	Dharmapuri	2	2	0	0	0
7	Dindigul	4	1	0	2	1
8	Erode	56	5	0	47	2
9	Kallakurichi	0	0	0	0	0
10	Kancheepuram	17	6	0	11	0
11	Karur	4	2	0	2	0
12	Krishnagiri	7	0	0	7	0
13	Madurai	2	1	0	1	0
14	Mayiladuthurai	0	0	0	0	0
15	Nagapattinam	5	5	0	0	0
16	Kanyakumari	0	0	0	0	0
17	Namakkal	5	2	0	3	0
18	Perambalur	4	3	0	1	0
19	Pudukottai	2	2	0	0	0
20	Ramanathapuram	3	3	0	0	0
21	Ranipet	0	0	0	0	0
22	Salem	10	5	0	5	0
23	Sivagangai	3	2	0	1	0
24	Tenkasi	0	0	0	0	0
25	Thanjavur	6	5	0	1	0
26	Theni	3	1	0	2	0
27	Thiruvallur	29	15	0	14	0
28	Thiruvarur	0	0	0	0	0
29	Tuticorin	9	8	0	1	0
30	Trichirappalli	7	3	0	3	1
31	Thirunelveli	6	2	0	3	0
32	Tirupathur	0	0	0	0	0
33	Tiruppur	52	4	0	30	18
34	Tiruvannamalai	2	2	0	0	0
35	The Nilgiris	3	2	0	1	0
36	Vellore	28	4	0	16	8
37	Viluppuram	10	8	0	2	0
38	Virudhunagar	4	3	0	0	0
Total		325	121	2	170	32

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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 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 2021 is given in Annexure – 16A and 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 2021-2022, the Board has given training to 126 persons for operation of emission checking instrument and certified 126 new instruments.

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CHAPTER - VII

LEGAL ACTIONS

7.1 INTRODUCTION

The Board is empowered to issue closure direction and stoppage of power supply against defaulting/erring units under Section 33-A of the Water (P&CP) Act, 1974 as amended from time to time and Section 31-A of the Air (P&CP) Act, 1981 as amended from time to time. The industries those aggrieved of Board's closure direction/any directions under the Water & the Air Acts are filing Writ Petitions / Appeal before the Hon'ble Supreme Court of India / Hon'ble High Court / Hon'ble Appellate Authority / Hon'ble National Green Tribunal (Southern Zone) / Hon'ble National Green Tribunal (Principal Bench) respectively. The Board also files cases/appeals under the Water & Air Acts and Environment (Protection) Act. All the Pollution/Environmental related cases filed / being filed against the TNPCB by the NGO / Public / individual / defaulting industries / aggrieved person before the Supreme Court of India/Hon'ble High Court/National Green Tribunal (PB) and Southern Zone/Appellate Authority/District Munsiff Court/Judicial Magistrate Court are dealt by the Law Section of the Board.

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 deal with the environmental pollution related cases.

7.3 APPELLATE AUTHORITY

As per the powers conferred under Section 28 of the Water (P&CP) Act, 1974 and the Air (P&CP) Act, 1981, the Government in Environment and Forests Department has constituted the Appellate Authority under the Chairmanship of a Hon'ble Justice (Retd), High Court of Madras with two technical members. The Authority entertains and disposes off the appeals preferred by the industries against the order of the TNPCB issued under Section 25/26 and 27 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988 and any orders issued under the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987.

7.4 NATIONAL GREEN TRIBUNAL

The National Green Tribunal (NGT) was established at New Delhi on 18.10.2010, for effective and expeditious disposal of cases relating to environmental protection and forest conservation. Any person aggrieved by an order or decision of the SPCB and /Appellate Authority order issued under Section 28, 29 and 33-A of the Water (Prevention and Control of Pollution) Act, 1974, Section 31 of the Air (Prevention and Control of Pollution) Act, 1981 and Section 5 of the Environmental (Protection) Act, 1986 may apply to NGT within 30 days of the order issued by the Board / Appellate Authority. National Green Tribunal for Southern Zone was constituted in the year 2010 and functioning at Chennai.

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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 2021-2022 are as follows:

Sl. No.	Name of the Court	No. of cases pending as on 31.03.2021	No. of cases filed from 01.04.2021 to 31.03.2022	No. of cases disposed (including cases filed in previous years)	Total No. of pending as on 31.03.2022 (3 + 4 - 5)
(1)	(2)	(3)	(4)	(5)	(6)
1	Supreme Court of India	27	10	8	29
2	High Court of Madras at Principal Seat and Madurai Bench	197	94	67	224
3	National Green Tribunal (PB)	11	1	-	12
4	National Green Tribunal (SZ)	207	72	27	252
5	Appellate Authority	73	62	44	91
	Total	515	239	146	608

7.5 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) VIOLATION CASES

As per the directions of the Government, so far TNPCB has filed 51 Cases (until 31.03.2021) against the project proponents in the Juridical Magistrate Court for the violations of EIA Notification (i.e. commencing the project without getting prior environmental clearance) under the provisions of Section 19 of the Environment (Protection) Act, 1986. Further, 62 cases has been filed during the year 2021 – 2022 and 10 cases has been disposed and 103 number of cases is pending.

A consolidated fine amount of Rs.5,45,000/- has been imposed by the Chief Judicial Magistrate Courts against the erring units. The lists of disposed cases with fine are as follows

Sl. No.	C.C. No.	Cases filed against
1.	329/2021	M/s.Srinivasa Medical College & Hospital, Trichy
2.	40/2021	M/s Tamil Nadu Minerals Limited, Thandampattu Black Granite Quarry, SF No.4/2 & 4/37, Thandampattu Village & Post, Tiruvannamalai District-606 707
3.	41/2021	M/s Tamil Nadu Minerals Limited, Veeranam Black Granite Quarry, SF No. 74/1(P), 126/1A, 127, 32(P), 144/1,144/ & 145/2(P), Veeranam Village & Post, Thandampattu Taluk, Tiruvannamalai District-606 706.
4.	386/2019	M/s. Tamil Nadu Minerals Limited (Sivagangai Graphite Unit) Senthudhayanatha Puram Sivagangai Taluk and District
5.	140/2014	M/s.Sri Venkateshwara Paper Mills Pvt Ltd., Athichogamangalam Village, Kudavasal, Thiruvavur District
6.	251/2020	M/s Tamil Nadu Minerals Limited,Periyangalur Lime Stone,Ariyalur District
7.	02/2022	M/s Murali Enterprises SF.24/1C Pudhupalli Village, Sankarankovil Taluk, Tirunelveli.
8.	280/2014	M/s Krishna Mines,Ramaynapatti Village,Tirunelveli district

VII. LEGAL ACTIONS.

7.6 IMPORTANT COURT CASES (DURING THE YEAR 2021-2022) IN THE HON'BLE NGT (South Zone), NGT (Principal Bench) and HON'BLE SUPREME COURT OF INDIA.

(i) M/s. Thadagam Valley Brick Kilns – O.A.No. 119 of 2021

As per the orders passed by the Hon'ble High Court of Madras, dated 06.01.2021 and 10.02.2021 in W.P.No.27356 of 2019 and 28475 of 2019, Closure orders were issued by the Coimbatore District Administration on 19.03.2021, 24.03.2021 and 25.03.2021 to all the 185 brick kiln units operating in the Coimbatore's Thadagam Valley, without obtaining Registration Certificate from the District Collector as required under Sub-Rule (2) of Rule 19 of the Tamil Nadu Minor Mineral Concession Rules, 1959.

The Hon'ble NGT (SZ) has taken a suo motu case in O.A.No.119 of 2021 with O.A.No. 135 of 2021 on account of mining and brick kiln units being established causing serious environmental degradation to the entire part of Western Ghats. The Hon'ble NGT (SZ) constituted a committee appointing Mining Department as the Nodal Agency and directed to take action against the erring units. Further, in compliance to the Hon'ble National Green Tribunal's Order dated 13.05.2022 in O.A.No.119 of 2021, the Environmental Compensation is calculated for all the 185 brick kiln units for an amount to Rs. 5932.31 Lakhs (amount varying from 24.25 lakhs to 32.44 lakhs). In this connection, Show Cause Notices under Section 5 of the Environment Protection Act, 1986 were issued by TNPCB to all the 185 brick kiln units (*vide Board Proceeding dated 26.07.2022*) as to why the environmental compensation shall not be levied for the damages caused by the brick kilns to the environment. In this regard, a status report is filed before the Hon'ble National Green Tribunal.

(ii) Thamirabarani River Pollution – O.A.No.191 of 2015

A case was filed before the Hon'ble NGT (SZ) regarding the pollution caused to the Thamirabarani River due to discharge of untreated sewage into the river. A Joint Committee was formed by the Hon'ble Tribunal and the Joint Committee filed its report and concluded that the Tirunelveli City Municipal Corporation sewage reaching River Thamirabarani will be stopped after the completion of the UGSS scheme Phase-2 and Phase-3 being carried out by Tirunelveli Municipal Corporation which is expected to be completed by 25.07.2021 and 22.01.2022 respectively. Henceforth, the quality of the River Thamirabarani Water to the entire stretch in Tirunelveli district will be increased to Class-A Water standards (Drinking Water Source without Conventional Treatment but after Disinfection) and will be ensured for pollution free Thamirabarani. Further, the NGT (SZ) disposed the case and directed that the Chief Secretary, Tamil Nadu may monitor further compliance, as already directed for control and abatement of pollution of the river stretch in question and associated issues, in coordination with concerned departments and authorities, by personal monitoring atleast once in every month.

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(iii) Manimutharu River – O.A. No. 51 of 2015

A case was filed before the Hon'ble NGT (SZ) regarding the discharge of the untreated sewage from the municipal areas and industrial areas polluting the Thirumanimutharu River which finally joins River Cauvery at Paramathi Velur. The Tribunal also constituted a Joint Committee of CPCB and State PCB to ascertain the status of compliance by the industrial units in the area and Environmental Compensation was levied against the erring industries. The NGT (SZ) directed the Chief Secretary, Tamil Nadu to constitute a monitoring committee comprising of four Additional Chief Secretaries of concerned Departments - Environment, Municipal Administration, Irrigation/Water Resource and Finance. The Committee may consider core steps required to restore the water quality of the river so as to protect the environment and public health. The Committee may also ensure that all concerned industries in the catchment area of the River in question adopt Zero Liquid Discharge (ZLD) and are compliant with the norms. The Committee may also ensure remedial action by the State PCB in exercise of statutory powers under the Water (Prevention and Control of Pollution) Act, 1974 against the erring industries/individuals/Local Bodies. With the above directions, the NGT (SZ) disposed the application.

(iv) Pallavaram Periya Eri – O.A. No. 37 of 2012

A case was filed before the Hon'ble NGT (SZ) regarding illegal dumping of garbage at Pallavaram Periya Eri (a waterbody) in the jurisdiction of Tambaram Municipal Corporation in Chengalpattu District, Tamil Nadu. The NGT (SZ) disposed the application constituting a five member Joint Committee headed by Additional Chief Secretary, Municipal Administration and Water Supply Department with Additional Chief Secretary, Environment and Forest, State PCB, District Magistrate, Chengalpattu and Municipal Corporation, Tambaram as Members to meet within one month to take stock of the pending work and prepare an updated action plan to be executed in the outer limit within six months. The Committee was directed to place its proceedings on the website of State PCB.

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 for rectification. In case, the units continue to violate and pollute the environment, the Board issues closure order 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 31.03.2021*	During the year 2021-22	Total as on 31.03.2022
1	No. of units for which show cause notice issued	1,13,752	3,520	1,17,282
2	No. of units for which closure order and disconnection of power supply order issued	13,330	332	13,662
3	No. of units for which orders for revocation of closure and restoration of power supply	6,591	37	6,628

* Data from 1999-2000 onwards

VII. LEGAL ACTIONS.

7.7.1 Demolition of Unauthorized Units

During the period 2021-2022, the District Coordination Committee (*vide G.O. (Ms) No. 23, Environment and Forests (EC.1) Department, dated: 01.03.2018*) has demolished 34 unauthorized units. These are all unauthorized textile bleaching and dyeing units in Pallipalayam and Kumarapalayam areas located 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:-

- (a) Discharges in violation of consent conditions, mainly prescribed standards / consent limits;
- (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 01.04.2021 to 31.03.2022, Rs.8,24,89,478/- (Rupees Eight Crores Twenty Four Lakhs Eighty Nine Thousand Four Hundred and Seventy Eight only) have been collected as environmental compensation from industries.

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VII. LEGAL ACTIONS.

CHAPTER-VIII.

ENVIRONMENTAL TRAINING INSTITUTE

8.1 ENVIRONMENTAL TRAINING INSTITUTE

The Board established the Environmental Training Institute (ETI) during 1994 with Danish Assistance to impart knowledge and provide trainings to staff of TNPCB, industrial representatives, executives of Corporations, Municipalities, line agencies and NGOs on pollution control and environmental protection. The ETI is functioning in 3rd Floor of the TNPCB Head Office. During the year 2021-2022, totally 955 officials have benefitted through the programmes conducted by ETI.

8.2 Training Programmes conducted by ETI from April 2021 to March 2022

The Training Programmes conducted by ETI during the period from April 2021 to March 2022 are as follows:-

Sl. No.	Training Programme	Date of Training	Programme attended by	No of Beneficiaries
1	Online training programme on use of Web and Mobile application for Biomedical Waste Management System	02.07.2021	TNPCB officials and representative from the hospitals & Common bio medical waste facilities	148
2	Online training programme on use of web and mobile portal for generation of online HW manifest	29.07.2021 & 30.07.2022	TNPCB officials and representative from the industries & Common TSDF facilities, hazardous waste recyclers/co- processors, etc.	165
3	Compulsory training for section officers in finance department , planning development and special initiative department about TNPCB activities	02.08.2021	section officers of 39Nos from finance department , planning development and special initiative department	39
4	Covid Awareness for TNPCB officials	17.08.2021	TNPCB officials – 100Nos. (Engineers and Ministerial Staffs)	100
5	Activities about TNPCB	27.08.2021 to 29.08.2021	IFS probationer -1 No	1
6	Training programme on operation of vehicular emission monitoring equipment	04.09.2021	Entrepreneur and employee of Pollution under control centers – 56 Nos.	56
7	Workshop on “Environment Management & Pollution Control in Thermal Power Plants and Mines” for Engineers and Scientists of Trichy Zone	9 th and 10 th October 2021.	18 numbers of Engineers and scientist of Trichy Zone	18
8	Training programme on operation of vehicular emission monitoring equipment	18.12.2021	Entrepreneur and employee of Pollution under control centers – 70 Nos.	70

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Sl. No.	Training Programme	Date of Training	Programme attended by	No of Beneficiaries
9	training program about E-commute for the faculties of Government and Government aided schools in Chennai	16.12.2021 & 17.12.2021	241 faculties of Government and Government aided schools in Chennai	241
10	Training Programme on Office Administrative procedures for new Recruits of Trichy & Cuddalore Zone	30.12.2021	25 administrative Staffs of Trichy and Cuddalore Zone	25
Total				863

8.3 Training Programme attended by the TNPCC Officials – conducted by the Technical Expert Institutions in India during the year 2021-22 from April 2021 to March 2022

The Training Programmes conducted by the Technical Expert Institutions in India for the TNPCC Officials during the period from April 2021 to March 2022 are as follows:-

Sl. No.	Training Programme	Conducted by	Date of Training	No. of Officers attended
1	Training Programme for the Newly Recruited Assistants and Typists of the TNPCC	Anna Institute of Management, Chennai	02.03.2021 to 06.03.2021	84
2	Management of Departmental Accounts and Audit	Anna Institute of Management	24.08.2021 to 26.08.2021	2
3	Training for SPCB on micro-plastics analysis and Persistent Organic Pollutants (POPs)	CPCB sponsored training	26.08.2021 to 27.08.2021	1
4	Online Short Term Training Programme on "Measures to Eliminate Identified Single Use Plastic Items and Effective Implementation of Plastic Waste Management Rules, 2016 as amended." -	CPCB sponsored online training programme	023.02.2022 to 25.02.2022	2
5	CPCB Sponsored E- learning training programme on "Performance evaluation of ETP/STP/CETPs"	CPCB sponsored online training programme	28.03.2022 To 30.03.2022	3
Total				92

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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 2021-2022, the following awareness programmes were conducted during festival occasions.

9.1.1 VINAYAGAR CHATHURTHI

Awareness programmes are conducted through the District Collectors in all the district headquarters and towns to the public for not to use Plaster of Paris and paints to make the Vinayagar idols. They are encouraged to use clay for making idols as a tradition. The public are addressed to remove the worship materials like flowers, clothes, decorating materials etc., before immersion of idols. Bio-degradable materials should be collected separately for recycling or composting. Non-biodegradable materials should be collected separately for dispose in sanitary landfills. The idols shall be immersed in designated water bodies identified by the District Administration. The Board monitors water quality of the said water bodies before and after immersion of idols. The Tamil Nadu Government (*vide G.O.No.765 dated 30.08.2021*) ordered the restricted the celebration and placing of idol in places. However, the immersion of idol in water bodies by the individual households is permitted for a period upto 15.09.2021 with certain guidelines.

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 Judgment dated 23.10.2018 in W.P. (C) No.728/2015 have issued directions *inter-alia* 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 for two hours for bursting of fireworks. Accordingly, the Government of Tamilnadu has permitted the public for bursting of crackers between 6.00 a.m. to 7.00 a.m. and 7.00 p.m. to 8.00 p.m. on the Deepavali day (04.09.2021). The Hon'ble Supreme 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).

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As per the directions of the Hon'ble Supreme Court, the Board conducted awareness programme in association with Eco-clubs, National Green Corps, School Education, Higher Education, Police Departments and District Administration. In this regard, a total fund of Rs.6.5 lakhs (Rupees Six lakhs and Fifty 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 01.11.2021 to 04.11.2021 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 2022, 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 11.01.2022 to 12.01.2022 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

9.2.1 ECOmmute School – Certificate Programme

Air pollution is a major environmental risk to health. Vehicular pollution from use of fossil fuels is a major contributor for air pollution in cities. The emissions also contribute directly to Climate Change phenomenon making wild as well as human dominated ecosystems very vulnerable to disasters.

Considering the importance of environment protection from air pollution, the Tamil Nadu Pollution Control Board (TNPCB) have initiated a 'Weekly Pollution-Free Office Commute Day' (ECOmmute Day) and commenced it from 17th November 2021, a Wednesday. Accordingly, every Wednesday, the employees and all staff of TNPCB in all the offices of State avoid personal motorized vehicles and reach the office premises by either public transport or walk or cycle or electric cycles/vehicles. Following the initiative of TNPCB, several District Collectors across the country and the Administration of Lakshwadeep have also implemented the ECOmmute Day. Several industries are also implementing ECOmmute. An exclusive logo has been released to mark the 'ECOmmute'.

In order to extend the ECOmmute concept to school students, the TNPCB have launched a programme titled 'ECOmmute School'. The objective of the programme is to encourage high school students to adopt 'ECOmmute' mode to commute to school. This was initiated to encourage students to adopt green modes of transport like walk or use cycle or public transport to attend school and also reduce the local air pollution in the vicinity of schools.

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As per the programme, the schools wherein 90% and above students adopt ECOmmute mode will be awarded with certificate of 'ECOmmute School' and the students will be presented with 'Friend of Environment' certificate. In addition, the top 10 Government schools and top 10 Govt aided/private school will be awarded with sports articles worth of Rs.25,000/- each.

As a first phase, the TNPCB introduced the 'ECOmmute School' programme to the Schools in Chennai District in the year 2021-2022. The students in the 8th, 9th and 10th Standards are covered in this programme. TNPCB has addressed to all the Government, Government Aided and Private Schools in Chennai district to participate in this programme. The schools are informed that ECOmmute is a voluntary proramme. No student is compelled to participate in this programme. They shall participate in the programme with the concurrence of their parents. In this regard, circular instructions were also issued from the Chief Education Officer, Chennai District. The TNPCB has also addressed to the Commissioner, Greater Chennai Corporation to make the roads and foot paths near the school are safe for commute by the students. The TNPCB has also addressed to the Commissioner of Police, Greater Chennai Police for declaration of one hour in morning and evening as 'Student Hour' in road traffic and also to provide barricades near the schools.

The TNPCB has developed an online portal (https://tnpcb.gov.in/ecommmute_org/) for registration to participate in the programme. This software, itself calculate the percentage of the students adopted ECOmmute mode. [% of ECOmmute = (X/Y) x 100. Where X = Total number of students in 8th, 9th & 10th Std. adopted in ECOmmute mode, Y = Total students strength in 8th, 9th & 10th Std.].

The Board has provided hands-on training to all the schools on how to registrar through the e.portal. 242 schools have attended the training programme. In the above program, 99 schools with student strength of 24627 in Chennai city have registered and participated. Out of which, 37 schools (21 Govt. + 16 Govt. Aided and Private) with student strength of 6373 have achieved 90% and above ECOmmute mode.

During 21st & 22nd May 2022, the Ministry of Environment, Climate Change and Forest, Government of India has conducted the two days Workshop on National Clean Air Programme at Chennai. The workshop was inaugurated by the Hon'ble Minister for Environment, Climate Change and Forest, Government of India. In order to publicize the ECOmmute at the National level, best performed six schools (3 Govt + 3 Govt Aided and Private) were invited and presented with 'ECOmmute School' certificate in the abovesaid inaugural function. The remaining 31 schools were presented with certificate and the top 20 schools were awarded sports equipments by the Hon'ble Minister for Environment, Climate Change, Youth Welfare and Sports Development during the World Environment Day celebration held on 5th June 2022. The students were presented with 'Friend of Environment' Certificate.

9.2.2 Tamil Nadu Green Champion Award 2021

The Government of Tamil Nadu, Environment, Climate Change and Forest Department have instituted Green Champion Awards to be presented to individuals and organizations who are

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making exemplary contribution to environment protection. 100 individuals/organizations would be selected every year for the Award. Each Award carries a prize money of Rs.1 lakh.

Green Champion Award is presented to Organization/ Education Institutions/ Schools/ Colleges/ Residential Welfare Associations/ Individuals/ Local Body/ Industries that have made exemplary contribution towards Environment Conservation and protection in any such sphere of relevant activity including Environmental Education and Training, Environmental Awareness, Environmental Protection, Research and Scientific Studies for a New Innovative Green products/ Green Technology, Sustainable Development, Solid Waste Management, Water Conservation and Water Bodies Protection, Climate Change Adaptation and Mitigation, Emission Reduction, Control and Recycling of Plastic Waste, Eco-restoration, Conservation Measures, Coastal Area Protection etc.

TNPCB received 85 proposals from the District Collectors and Green Champion Awards were issued to 85 selected awardees during the World Environment Day held on 5th June, 2022.

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CHAPTER – X.

OTHER IMPORTANT MATTERS DEALT BY TNPCB

10.1 STONE CRUSHERS IN TAMIL NADU

There are more than 3200 numbers of stone crusher units under operation in Tamil Nadu. They are predominantly located in Thirisoolum, Thiruneermalai, Erumaiyoor Villages of Kancheepuram District, Morattupalayam, Kodangipalayam Villages of Tiruppur District and Villupuram, Tiruvannamalai, Coimbatore, Perambalur, Krishnagiri, Karur, Madurai, Tirunelveli and Kanyakumari Districts. The stone crushers are categorized as orange category. All these units have provided air pollution control measures as per National Environmental Engineering Research Institute (NEERI) recommendations.

Earlier, in 2004 the Board (*vide B.P.Ms.No.4, dated 02.07.2004*) had fixed the siting criteria. As per the siting criteria, no stone crushers units should be located within 500 meters from any National Highways or State Highways or inhabited site or places of public & religious importance. Also the minimum distance between new / proposed stone crushers should be 1 kilometers. To prevent dust pollution from these units, primary and secondary Crusher and conveyor belt should be closed with tin sheets. Telescopic chute and water sprinklers should be provided to the jelly conveyor to prevent dust pollution. The units should have compound wall or metal sheet enclosure of 20 feet height. Further trees should be grown densely for 10 meters width around the premises of the units.

River sand is the essential material for the construction activities. Extensive use of river sand as fine aggregate in the construction works results in scarcity of river sand. Further, indiscriminate mining of sand affects the river eco system and lowers the ground water table. Therefore, the Government is now encouraging the use of M-Sand in construction in place of river sand. In order to facilitate for M-Sand units and new stone crushers to meet the demand, based on the scientific study, the TNPCB (*vide B.P.No.21, dated 31.07.2019*) relaxed the 1 kilometer distance criteria from between two crushers subject to certain conditions.

Aggrieved on the orders of the Board, a writ petition (W.P. No.26786/2019) was filed in the Hon'ble High Court of Madras. The Hon'ble Court in its order dated 04.10.2019 has granted an interim stay for the above said relaxation. The stay order is got extended from time to time. However, the units which have valid consent and which have been in operation before the interim stay order are allowed to operate. The Hon'ble High Court directed the TNPCB to carry out a scientific study to examine the distance criteria. Based on that, the Board has entrusted the study to NEERI, Chennai. Study report has been furnished by NEERI, Chennai.

10.2 FOLLOW-UP ACTION ON NGT DIRECTIONS

10.2.1 Marriage Halls / Restaurants / Hotels / Motels / Banquets etc.

In the matter of Compliance of Environmental norms by Restaurants/ Hotels/ Motels/ Banquets etc., the Hon'ble National Green Tribunal (Principal Bench) in the order dated 23.07.2020 in O.A. No.400/2017, directed that all the States to take further steps in the matter of adopting and enforcing the CPCB guidelines to ensure sustainable use of water, solid and liquid

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waste management and compliance with the statutory environmental norms under the Water (P&CP) Act, 1974, the Air Act, 1981, the Environment (Protection) Act, 1986 including the Noise Pollution (R&C) Rules, 2000, providing for adequate parking facilities and having adequate stack heights for the DG Sets by the Restaurants/Hotels/ Motels/ Banquets etc. in the State.

Based on that, the TNPCB issued a public notice on 7.9.2020 in Tamil and English News Paper stating that all the Marriage Halls, Restaurants, Hotels, Motels, and Banquets etc in the State of Tamil Nadu shall comply with the '*Mechanisms / Guidelines for Control of Pollution and Enforcement of Environmental Norms at Individual Establishments and the Area/ Cluster of Restaurants/ Hotels/ Motels/Banquets etc.*' issued by the CPCB. Accordingly the Marriage Halls, Restaurants/Hotels/ Motels/ Banquets etc in the State of Tamil Nadu shall get consent to establish / consent to operate under the Water (P&CP) Act, 1974 and the Air (P&CP) Act, 1981. Further the Board has also categorized Standalone restaurants using LPG and having wastewater generation less than 10 KLD as green category and Restaurants having rooms and wastewater generation more than 10 KLD as orange category. The inventorisation of Marriage Halls / Restaurants / Hotels / Motels / Banquets etc is under progress.

10.2.2 Dairy Farms and Gaushalas

In compliance to the Hon'ble National Green Tribunal (Principal Bench) orders dated 20.05.2020 in the matter of O.A. No.46/2018, the TNPCB has issued a public notice on 13.09.2020 in Tamil and English news paper stating that all the Dairy Farms and Gaushalas in the State have to obtain Consent to Establish and Consent to Operated under the Water (P&CP) Act, 1974 as well as Air (P&CP) Act, 1981. They shall comply with the guidelines issued by the CPCB. The inventorisation of Dairy Farms and Gaushalas is under progress.

10.2.3 Petrol Pumps

Central Pollution Control Board has issued 'Guidelines for setting up of New Petro Pumps' on 07.01.2020 and subsequently an addendum was also released by CPCB on 16.08.2021. The guidelines and the addendum was communicated to all the oil companies for compliance.

10.2.4 Poultry Farms

Central Pollution Control Board has issued environmental guidelines for poultry farms on January 2022. Press release was also made in this regard, requesting the poultry farms to comply with the guidelines and get Consent to Establish (CTE) and Consent to Operate (CTO) from TNPCB as per the time schedule stipulated in the guidelines.

10.2.5 Brick Kilns

For effective control of air pollution from the brick kilns, Ministry of Environment, Forest and Climate Change has notified guidelines on 22.02.2022. TNPCB has issued directions to all the brick kilns to adopt the guidelines issued by the ministry.

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10.3 REMEDIATION OF CHROMIUM CONTAMINATED SITE AT TCCL, RANIPET

M/s Tamil Nadu Chromates and Chemicals Ltd. (TCCL) at Ranipet were operated between the years 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 the 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 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, filing of cases in the Hon'ble High Court and follow up with Registrar of Companies etc. However, no progress on remediation could be achieved as there was change in the company management and difficulties being encountered in tracing and 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 two options (i) Interim remedial measure – Capping over the existing dumpsite and also to provide garland 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 and treatment for next 15 years at a cost of Rs.556 crores.

The Board has decided to implement the Interim Remedial Measures and also resolved that the expenditure shall meet initially from the “Environment Compensation Fund” available with TNPCB and simultaneously action shall be taken to recover the expenditure from the polluters.

Further, the Hon'ble NGT (SZ) in its order dated 02.09.2022 in O.A. 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 and also to start the work of permanent remediation within a further period of six months. The TNPCB is in the process of implementation of interim remedial measures of capping the contaminated site.

10.4 REMEDIATION OF MERCURY CONTAMINATED SITE AT HUL, KODAIKANAL

M/s Hindustan Unilever Limited (HUL) at Kodaikanal (earlier in the name of M/s Ponds India Limited) was operated between the years 1984-2001 and manufactured clinical glass mercury thermometer. As complaints were received regarding improper disposal of mercury contaminated glass scrap to a scrap dealer, the unit was closed in the year 2001. Then, the mercury contaminated waste accumulated within the premises was exported to the recycler M/s. Bethlehem Apparatus Company at Pennsylvania, in the USA during the year 2003 for recycling. Later, In May 2006, the machineries used in the process were decontaminated scientifically.

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The Board permitted to the unit in the month of December 2016 to carry out the soil remediation work on trial run basis with the Site Specific Target Level (SSTL) of mercury in soil as 20 mg/kg. Based on the trial run results, Consent to Operate (CTO) was granted in March, 2020 for carrying out full scale mercury contaminated soil remediation work. Now, the remediation work is under progress.

Till August month-end 2022, 3952 m² area is remediated so far out of 17858 m² and 680 m². The treated soil from washing and retorting is homogenized with natural soil, i.e. in total 4067.3 MT of soil is homogenized so far (soil weight given here is with moisture). Further remediation work is under progress.

10.5 REMEDIATION OF OIL CONTAMINATED SITE AT TONDIARPET, CHENNAI

An incident of oil leakage was 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 207.395 KL and floating oil of 7.287 KL at affected site were removed from 18 bore wells.

A case was filed by Thiru. V.P. Krishnamoorthy, Old Washermenpet, Chennai in this regard in the Hon'ble National Green Tribunal (NGT), South Bench, vide O.A No. 176 of 2013. BPCL initiated remediation works as per the directions of NGT (SZ) & Central Pollution Control Board (CPCB) by engaging M/s Stratus Environmental, Inc USA. As a part of remediation work, Two SVE (Soil Vapour Extraction) system is being operated SVE 1 has been in operation since 2016 was connected to a network of 13 wells (Monitoring well -2, Air sparging-4, SVE-7). SVE-2 began operation on February 2020 and was connected to a network of 10 wells (Monitoring well -3, Air sparging-4, SVE-3). At present air sparging at both SVE (1) and (2) are continuing.

TNPCB and CPCB are periodically monitoring the remediation work being carried out at oil contaminated site, Tondiarpet and submitting status report to Tribunal. As per the Tribunal direction dated 18.09.2019, ICMR is carrying out health study to the local people in the affected area of Tondiarpet and submitted the preliminary progress report for the period of 23.02.2022 to 29.03.2022 & reported that final report will be submitted on December 2022. As per CPCB directions, consultant M/s. Stratus environmental has carried out reference soil & ground water analysis at three different locations and submitted the study report. Based on the report, the CPCB will be arriving at fixing site specific target level of remediation.

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

10.6 Status of announcements made in the assembly

Status of the Announcements made by the Hon'ble Finance Minister of Tamil Nadu and by the Hon'ble Minister for Environment on the floor of Legislative Assembly during the budget demand for the year 2021-2022 is as follows.

(i). Announcement made by the Hon'ble Finance Minister

Sl. No.	Announcement	Present Status
1	<p>As part of the Tamil Nadu River Conservation project, the Pollution Control Board will establish permanent water quality monitoring stations along the major rivers up and down stream of major cities and industrial clusters, in a phased manner over the next three Years.</p> <p>All Sewage Treatment Plants will be monitored online on a real time basis to ensure that they achieve the desired quality parameters and do not pollute water bodies. G.O.Ms.No.100 dt.03.11.2021</p>	<p>Board has approved vide Item No. 285-4-9 Dated 30.11.2021 for restoration of existing 14 RTWQMS (Cauvery -3, Bhavani-2, Tamirabarani-3, Noyyal-3, Kalingaryan Canal -3) and to procure 2 mobile Water Quality Monitoring Van in phase -I .</p> <p>Six stations under functioning. O&M to be awarded.</p> <p>Eight to be restored as recommended by the Committee.</p> <p>Will be placed before High level Committee for floating tender</p> <p>Implementing Agency-MAWS Department Assured to install OCEMS and mobile app before Dec 2022</p>
2.	<p>The Tamil Nadu Pollution Control Board will establish continuous ambient air quality monitoring stations in all district headquarters and in towns with a population of more than one lakh.</p> <p>India's first Integrated Environment Monitoring Studio will be established for forecasting air quality on a real time basis with an early warning system.G.O.Ms.No.115 dt.27.11.2021)</p>	<p>25 Nos for remaining Districts and cities with population more than 1 Lakh</p> <p>Tender floated in GEM portal was cancelled to include indigenous manufacturer / suppliers</p> <p>Revised technical specification to be placed before Committee for finalization & to float open tender</p> <p>Work order given to TNeGA (Rs.70 Lakhs sanctioned)</p> <p>TNeGA to establish EMS before 15.10.2022. (temporarily in second floor of Corporate office, will be shifted to proposed IT Building to be constructed).</p>

(ii). Announcement made by the Hon'ble Minister for Environment

Sl. No.	Announcement	Present Status
1	Extension of validity of CTO/RCO to the units as block (G.O.(D).No.144 dt.08.10.2021)	CTO/RCO is issued as a block. Consent issued to 6859 Industries (from Dec 2021 to 12.08.2022) Work Completed.
2	Presentation of "Green Champion Award" to 100 Individuals / Organizations with Prize money of Rs.1 Lakh each who proactively participate and make exemplary contribution in environment protection at a cost of Rs. 1.00 Crore. (G.O.Ms.No.90 dt.26.10.2021)	Completed for the year 2020-21. 85 awards have been given. Format for selection of Green Champion Award for the year 2022-23 has been finalized.
3.	Modernization of TNPCB at a cost of Rs.32 Crores	
i.	Construction of building for the O/o. JCEE(M), Tirunelveli (G.O.Ms.No.98, dated: 02.11.2021)	Detailed estimate agenda obtained from Tamil Nadu Police Housing Corporation has been approved by Board.
ii.	Formation of O/o. JCEE (M), Cuddalore at a cost of Rs.4 Crores (G.O.Ms.No.98, dated: 02.11.2021)	O/o. JCEE (M), Cuddalore office was formed on 21.12.2021 and is functioning in a rented building. Building estimate is awaited from Tamil Nadu Police Housing Corporation.

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Sl. No.	Announcement	Present Status
iii.	Formation of AEE office at Manali, Mettur and Ranipet at a cost of Rs.5 Crores (G.O.Ms.No.95, dated: 01.11.2021)	O/o. AEE, Manali, Mettur and Ranipet were formed on 29.12.2021 and are functioning in the O/o.DEE, Ambattur, O/o.DEE, Salem and O/o.DEE, Vellore respectively. Announcement completed.
iv.	Formation of EE (FS) at Chennai and Salem at a cost of Rs.1.22 Crores (G.O.Ms.No.96, dated: 01.11.2021)	EE (FS), Chennai and Salem were formed on 29.12.2021 and are functioning in the O/o. DEE, Chennai and O/o. DEE, Salem respectively. Announcement completed.
v.	Purchase of 50 Vehicles at a cost of Rs7.50 Crores (G.O.Ms.No.91, dated: 26.10.2021)	Vehicles were flagged off by the Hon'ble Chief Minister of Tamil Nadu during the World Environment Day held on 05.06.2022. Announcement completed.
vi.	Formation of Information Technology (IT Wing) at a cost of Rs.8.5 Crores (G.O.Ms.No.108, dated: 16.11.2021)	IT wing was formed with the existing and outsourced staffs on 15.02.2022. On acquiring the adjacent land of 40 cents from King Institute a new building with all facilities will be constructed and IT wing will be shifted. Letter was sent to the Government on 25.05.2022 in this regard.
4.	People's Campaign against throw away plastics. Flagship programme of Government	Proposal sent to Government at a cost of Rs.30 Crores for further follow up on People's Campaign against throw away plastics. Stake holders Interaction meeting proposed during Sep-2022
5.	Establishment of Green Park at Thousand Lights area at a cost of Rs.2 Crores. (Government letter No. 155 / EC2 / 2021, dated: 25.10.2021)	Greater Chennai Corporation has proposed to establish the park at Anna Colony, T.Nagar. Proposal and cost estimate for the same is awaited from Greater Chennai Corporation.

10.7 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 2021 to March 2022, public hearings were conducted for 117 projects.

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
1	M/s. The Ramco Cements Limited, Tulukkappatti, Thammanayakkanpatti and Vachakarapatti Villages, Virudhunagar Taluk, Virudhunagar District.	Proposed expansion and modernization for replacement of existing Kiln-II with new Kiln of 3000 TPD to increase the production of Clinker from 1.09 MTPA to 1.44 MTPA and Cement from 2.0 MTPA to 2.70 MTPA.	16.06.2021

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
2	M/s. T. R. Varadharajan Rough Stone and Gravel Quarry, SF.No. 48/12,48/13, 48/14, 50/2, 50/3(P), 50/4, 50/5, 50/6,Sundakottai Village, Aruppukottai Taluk, Virudhunagar.	Fresh quarrying proposal in over an extent of 2.22.5 Ha.	23.07.2021
3	M/s. National Highways authority of India (NHAI) pertaining to the stretches in Tamilnadu, Kancheepuram District with project chainage of km 221+900 to km 248+550 (length 26.650 km)and again from km 249+320 to km 262+100 (length 12.780 km).	Construction of Bangalore - Chennai expressway phase - iii (106.569km) by M/s. National Highways authority of India (NHAI) pertaining to the stretches in Tamilnadu, Kancheepuram District with project chainage of km 221+900 to km 248+550 (length 26.650 km) and again from km 249+320 to km 262+100 (length 12.780 km).	04.08.2021
4	M/s. J.Vinoth Jeni Rough Stone and Gravel Quarry, SF.No.216, Chinnakamanpatti Village, Sattur Taluk, Virudhunagar District.	Fresh quarrying proposal in over an extent of 2.78.0 Ha of patta lands.	06.08.2021
5	M/s. Airport Authority of India, S.F.No:321, 322, 323, 289/1A, 289/2, 292/1A, 293/1, 293/2A, 294/1, 295/1A2, 283/6A2, 285/8A2, 286/1, 288/1A, 278/1A,274/1B2, 275/14, 277/1A,280/3C2, 276/8A, 276/1A8, 343/19B, 344/4, 356/5, 357/2A, 362/1B, 363/2A of Perungudi Village, 362/28, 363/1, 363/4, 364, 365, 371/2, 372/3, 441/1A, 444/1A, 444/181, 445/11A2, 445/3A, 445/4B, 445/6,446/1A2, 446/1B, 446/2A, 446/3A,446/4A, 446/5A, 446/5B, 451/1, 451/3, 453/1, 454, 455/1, 456, 457/2, 458/1, 458/2, 459, 460/1, 463/1, 463/2, 464/1A, 467/1B, 467/213, 467/413, 467/5, 467/6, 467/7, 468/1B, 468/2, 468/3, 468/4,468/5, 468/6, 468/7, 469/1, 470/1,470/2, 471, 472, 473/1, 473/2, 474/1, 475/1,476/1A,476/12A, 476/3A, 476/4A, 477/1A,478/1, 478/2A, 478/2B1, 478/2B3, 479/1 of Ayanpapakudi Village, Madurai South Taluk, Madurai District, over an extent of 203.16 Ha	Expansion of Existing Integrated Terminal Building, Construction of New ATC Tower cum Technical Block at Madurai Airport.	10.08.2021
6	M/s. P.Subramani Rough Stone Quarry, S.F.No. 329 (Part -4) in Halekottah Village, Hosur Taluk, Krishnagiri District.	Rough Stone Quarry over an extent of 5.00.0 Ha.	10.08.2021
7	M/s. AVS Tech Building Solutions Rough Stone Quarry, SF.No.420(Part), of Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri Taluk.	Proposed Rough Stone Quarry over an extent of 4.90.0 Ha.(Toatal Area Extent of cluster is 23.85.0 Ha).	10.08.2021
8	M/s.P.Selvam Multicoloured Granite Quarry,S.F.No. 72/2, 72/3 & 72/5A of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District.	Proposed Multicoloured Granite Quarry over an extent of 3.58.0 Ha.(Total Extent in cluster is 11.44.0 Ha).	10.08.2021

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
9	M/s. Globle Enterprises Black Granite Quarry at S.F. No: 6/4B, 7/1B(P), 7/1C(P), 7/2, 12/1, 12/2A, 13/1A1B(P) & 13/1(B) Anumanthapuram Village.	Proposed Black Granite Quarry lease over an extent of 3.93.5 Ha(Total Area Extent of Cluster is 7.41.5 Ha).	10.08.2021
10	M/s. Anbura Minerals Private Limited, S.F.No. 1127/4, 1127/5 of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District.	Proposed Multicolour Granite Quarry over an extent of 1.93.5 Ha.(Total Area Extent of Cluster is 6.77.5 Ha).	10.08.2021
11	M/s. National Highways Authority of India (NHAI) Proposed construction of Bangalore- ChennaiExpressway project Phase - III in the District of Vellore in the State of Tamil Nadu from km 168.000 - km 179.670(11.370 km).	The Construction of 8- lane of Bangalore - Chennai Expressway Phase-III) by M/s. National Highways Authority of India (NHAI).	10.08.2021
12	M/s. National Highways Authority of India (NHAI) Proposed construction of Bangalore - Chennai Expressway project Phase -III in the District of Ranipet in the State of Tamil Nadu from km 179.670 - km 221.900(42.230 km).	The Construction of 8- lane of Bangalore - Chennai Expressway Phase-III) by M/s. National Highways Authority of India (NHAI).	11.08.2021
13	M/s. S. Venkata Reddy Rough stone quarry at S.F. No: 81/2 & 82/1, Midithepalli Village.	Proposed Rough Stone Quarry lease over an extent of 2.05.92 Ha(Total Area Extent of Cluster is 9.28.0 Ha).	11.08.2021
14	M/s. D. Sreenivasalu Rough stone quarry at S.F.No. 80/1, 80/2 & 81/1. Midithepalli Village.	Proposed Rough Stone Quarry lease over an extent of 3.17.08 Ha(Total Area Extent of Cluster is 9.28.0 Ha).	11.08.2021
15	M/s. M.Sadhana Grey Granite quarry at S.F. No: 133/2A(P), 133/2B1A((P), Kondappanayanapalli Village.	Proposed Grey Granite Quarry lease over an extent of 1.46.0 Ha (Total Area Extent of Cluster is 7.51.0 Ha).	11.08.2021
16	M/s. M.Sadhana Grey Granite quarry at S.F. No: 133/2A(P), 133/5(P), 133/7(P), 133/8(P), 133/10(P) & 133/11, Kondappanayanapalli Village.	Proposed Grey Granite Quarry lease over an extent of 2.35.0 Ha (Total Area Extent of Cluster is 7.51.0 Ha).	11.08.2021
17	M/s. Mariambanu Grey Granite quarry at S.F. No: 131/11, Kondappanayanapalli Village.	Proposed Grey Granite Quarry lease over an extent of 3.70.0 Ha (Total Area Extent of Cluster is 7.51.0 Ha).	11.08.2021
18	M/s. The Ramco Cement Ltd, SF.No.239, 243, 244, 249, 298, 299, 300, 301, 302, 303, 373, 374, 375, 376, 380, 381, 382, 383, 384, 385, 401, 402, 403 and 404 of Reddipalayam Village & SF.No Parts of 67, 68,& 69, Nagamangalam Village, Ariyalur Taluk, Ariyalur District - 621 704.	M/s. The Ramco Cement Ltd, Reddipalayam, Limestone Mine for Expansion over on extent of 63.60.0 Hect.	12.08.2021
19	M/s. KNR Constructions Limited, S.F.No:131/1A, 131/1B, 131/1C1, 131/2A, 131/2B, 132/1 & 132/2A Puliyampatti Village, Palani Taluk, Dindigul District.	Rough stone & Gravel quarry proposal over an extent of 4.83.5 Ha of patta lands.	12.08.2021

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Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
20	M/s.Jasan Infra (P) Ltd, S.F.No:1015/8, 1016/11B, 1017/3B, 4B, 5,6B, 1019/2A2, 2B1, 2B2, 2B3, 3A, 3B, 1018/1, 2, 1022/1, Kailasapuram Village, Ottapidaram Taluk, Thoothukudi District.	Proposed Stand Alone Cement Grinding Unit.	12.08.2021
21	M/s. M.K.Ravikiran Rough Stone Quarry at S.F.No.556/1 & 557, Panchakshipuram Village, Hosur Taluk, Krishnagiri District.	Proposed Rough Stone Quarry lease over an extent of 1.79.0 Ha (Total Area Extent of Cluster is 15.98.5 Ha)	13.08.2021
22	M/s. Sundaraleela Rough Stone Quarry at S.F.No.584/1, 599/1A, 599/1B & 599/2, Panchakshipuram Village, Hosur Taluk, Krishnagiri District.	Proposed Rough Stone Quarry lease over an extent of 2.74.5 Ha (Total Area Extent of Cluster is 15.98.5 Ha)	13.08.2021
23	M/s.Poomalur Rough Stone & Gravel Quarries Cluster, S.F.Nos.263/2B(P), 263/2C(P), 263/2D, 304/2(part), 303/2A2A, 303/1(P), 305/1(P), 307/1(P), 307/2(P) & 252/1B, Poomalur Village, Palladam Taluk, Tiruppur District.	Proposed Rough stone & Gravel Quarry over on Extent of 2.23.0 Ha in patta lands.	16.08.2021
24	Construction of 8 - lane of Bangalore - Chennai expressway phase - III(106.569KM) by M/s.National Highways Authority of India(NHAI) pertaining to the stretches in Tamilnadu, Thiruvallir District with project chainage of 248.550 KM to 249.320 KM falls in thirupandiyur village, Tiruvallur taluk in Tiruvallur District.	Construction of 8 - lane of Bangalore - Chennai expressway in the stretches of project chainage of 248.550 KM to 249.320 KM falls in thirupandiyur village, Tiruvallur taluk in Tiruvallur District.	18.08.2021
25	M/s.T.S.Muthu Arun Rough Stone and Gravel Quarry, S.F.Nos.921/3B(P), 929/1 (P) & 930/2B(P), South Avinashi palayam Village, Tiruppur South Tk, Tiruppur District.	Proposed Rough Stone Quarry and Gravel Quarries over an extent of 9.23.0 Ha.	23.08.2021
26	M/s.Morattupalayam Rough Stone & Gravel Quarry Cluster - A, S.F.Nos.389/1A, 209/1A(P), 378(P),367/2A(P),367/2A(P), 383/2B2(P), 396/2A, 383/2A1(P) & 382/2B, 383/2A2B & 383/2A2A2A2,389/1B1A, 389/1B1B & 389/1B2,383/1(P) & 383/ 2A2A1(P) and 387/1B1, Morattupalayam Village, Uthukuli Taluk, Tiruppur District.	Proposed 11 Nos of Rough Stone and Gravel Quarries over an Extent of 18.12.22 Ha.	23.08.2021
27	M/s.T.K.Bharath Rough Stone and Gravel Quarry, SF.No.650, 651/1,651/2,652,653/2, 654/2B2 & 667, Edirkottai Village, Vembakottai Taluk, Virudhunagar District.	Fresh quarrying proposal over an Extent of 3.65.5 Ha in patta lands.	25.08.2021
28	M/s. Nama Umadevi Multi-Colour Granite Quarry located at S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur District.	Over an Extent of 2.43.0 Hectares.	25.08.2021

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Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
29	M/s. M.P.Granite Multi-Colour Granite Quarry S.F.No 353/6(P), 354/A1, 355/A, 355/B1, 355/B2, 355/B3, 355/B4, 356/1, 356/2, 356/3, 357/4 and 358/9 (P), K.Pichampatti Village , Karur Taluk , Karur District.	Over an Extent of 4.45.0 Hectares.	25.08.2021
30	M/s. Sri Venkatramana Swamy Blue Metals Rough Stone and Gravel Quarry S.F.No 195/1(P) & 198/1 (P), Thennilai (East) Village, Pugalur Taluk, Karur District.	over an extent of 4.90.0 Hectares.	26.08.2021
31	M/s. Sri Bhagavathi Amman Blue Metal Rough Stone and Gravel Quarry SF.No 216/2B(P), 217/1, 217/2, 217/3A & 217/3B, Gudalur Melpagam Village, Aravakurichi Taluk, Karur District	over an extent of 4.94.0 Hectares.	26.08.2021
32	M/s.Vinayaka Enterprises Multi-Colour Granite Quarry at SF.Nos.72/2A,72/3, 72/4A, 72/4B Veeriyapalayam Village, Krishnarayapuram Taluk, Karur District.	Over an extent of 3.90.5 Hectares	27.08.2021
33	M/s.K.Deivendran Multi-Colour Granite Quarry, SF.Nos.11/3F, 12/4C, 12/5B, 12/5C, 12/5D,12/5E Veeriyapalayam Village, Krishnarayapuram Taluk, Karur District.	Over an extent of 2.86.5 Hectares	27.08.2021
34	M/s.R.Sivaraj Rough Stone Quarry located at SF.No.8/1, Uthupatti Village, Kulithalai Taluk, Karur District.	Over an extent of 2.50.0 Hectares	27.08.2021
35	M/s.P.Suresh Kumar, S.F.No.80/2A,(P), 81/1(P), Karunchamisamy Goundenpalayam Village, Madukkarai Taluk, Coimbatore District.	Proposed quantity of 4.85.62 Hectares Quarrying of rough stone, Top soil and reject.	28.08.2021
36	M/s.Chikkarampalayam Rough Stone & Gravel Quarry Cluster, S.F.No.74/2, 435/2B1, 435/2B2, 435/2C, 435/2D, 435/2E, 428/1A, 60/1B and 61 Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District.	Proposed 3 No's of Rough Stone and Gravel Quarries over an Extent of 5.67.5 Ha.	30.08.2021
37	M/s.Venkateswara Blue Metals, S.F.No.460/1(P) and 461, Muduthurai village, Mettupalayam Taluk, Coimbatore District.	Proposed Rough Stone and Gravel Quarry over an Extent of 3.20.5 Ha.	30.08.2021
38	M/s.S.Shanmugasundram Quarry at S.F.No.73/1,73/2,73/3,73/4, Myleripalayam Village, Madukkari Taluk, Coimbatore District.	Proposed quantity of 2.95.5 Hectares Quarrying of rough stone, Top soil and reject.	31.08.2021
39	M/s.Venkateswara Blue Metals, S.F.No.739/1 (P) and 799/1(P), Marudur village, Mettupalayam Taluk, Coimbatore District.	Proposed Rough Stone and Gravel Quarry over an Extent of 4.81.7 Ha.	01.09.2021

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
40	M/s.Dalmia Bharat Sugar and Industries Ltd (M/s.Chettichavadi Jahghir Magnesite & Dunite Mines) Pro.M/s.Dalmia Bharat Sugar and Industries Ltd, S.F.No.6, Chettichavadi Village, Salem West Taluk, Salem District.	M/s.Dalmia Bharat Sugar and Industries Ltd(M/s.Chettichavadi Jahghir Magnesite & Dunite Mines) Pro.M/s.Dalmia Bharat Sugar and Industries Ltd, S.F.No.6, Chettichavadi Village, Salem West Taluk, Salem Dist.	03.09.2021
41	M/s.S.Sandosh Mallaiya Quarry, S.F.No.926/3A(P),927/1, & 928/3 Cheetipalayam Village, Madukkarai Taluk, Coimbatore District.	Proposed quantity of 2.13.0 Hectares Quarrying of Rough Stone, Top Soil and Reject.	03.09.2021
42	M/s.C.Ramji Rough Stone Quarry, S.F.No.261/3, Pachapalayam Village, Sulur Taluk, Coimbatore District.	Proposed quantity of 1.98.5 Hectares Quarrying of Rough Stone.	04.09.2021
43	M/s.M.Muralikrishnan Rough Stone & Gravel Quarry, S.F.No.343/2A, 343/2B1,343/3A, & 343/4A Pachapalayam Village, Sulur Taluk, Coimbatore District.	Proposed quantity of 2.35.85 Hectares Quarrying of Rough Stone & Gravel .	04.09.2021
44	M/s.Tmt.R.Aruna Fire Clay Mine, SF.No.6/3,6/4 in Managathi Village, S.F.No.250/2B,250/3A,250/3B2,250/3C, 250/4, 250/5 in Thathanur(West) Village, Udayarpalayam Taluk, Ariyalur District.	Proposed Fire Clay Deposit quarry lease over an extent of 1.78.11 Hect.	14.09.2021
45	M/s.Teru Murugan Blue Metals, S.F.No's.126/2(P),127/1(P),133/1(P), 133/2(P) of Thennilai(East) Village, Pugalur Taluk, Karur District - 639 111	over an extent of 4.55.0 Hectares	14.09.2021
46	M/s. J.Mohankumar SF. No. 183/1B (P) & 183/2 of Devannagoundanur Village, Sankagiri Taluk, Salem District.	Proposed Lime Stone Mines over an extent of 3.45.5 Ha.	23.09.2021
47	M/s. Mahalakshmi Mines & Pulverisers, SF. No. 116/1 (P), 123/2B (P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G, 123/2E1D & 123/2E1F (P) of Chinnagoundanur Village, Sankagiri Taluk, Salem District.	Proposed Lime Stone Mines over an extent of 4.71.5 Ha.	23.09.2021
48	M/s.M.Sengottuvel, S.F.No.503/1 of Sithampoondi Village, Paramathi Velur Taluk, Namakkal District.	Proposed Multicolored Granite Quarry Cluster Quarry of M.Sengottuvel, in an extent of 2.28.5 Ha	23.09.2021
49	M/s.Mahasen Exports, S.F.No.489/3B, 489/4B and 489/5A2 of Sithampoondi Village, Paramathi Velur Taluk, Namakkal District.	Proposed Multicolored Granite Quarry Cluster Quarry of M/s.Mahasen Exports, in an extent of 2.20.5 Ha	23.09.2021
50	M/s.P.Ramakrishnan Fire Clay & Red Soil Quarry at S.F.No. 191/3B2, 191/4B2, 191/1C2 in Thazhampattu village, Panruti Taluk, Cuddalore District.	over an extent of 1.43.08 Hec	25.09.2021
51	M/s.Anandalai Rough Stone Quarries in cluster at S.F.No. 1/4(Part-35), 1/4(Part-33), 1/4(Part-34),1/4(Part-40), 1/4(Part-31), 1/4 (Part-38), 1/4(Part-32), 1/4(Part-37), ¼ (Part-36), 1/4(Part-39) Anandalai Village, Walajah Taluk,Ranipet District.	10 Nos of Proposed Rough Stone Quarries in cluster over an extent of 13.56.0 ha.	21.10.2021

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Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
52	M/s.J Selvi, S.F.No. 112/10A, 112/10B, 112/10C, 112/10D,112/10E, 112/11, 112/8A, 112/9, Nedunkulam Village, Kallikudi Taluk, Madurai District	Proposed Rough Stone and Gravel Quarry lease over an extent of 2.85.0 hectares of patta land.	05.10.2021
53	M/s.R.Rathinasamy Rough Stone Quarry at S.F. No: 98A (Part) Pit-3, 10 Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.26.5 Ha.	07.10.2021
54	M/s.V.Gunasekaran Rough Stone Quarry at S.F. No: 98A (Part) Pit-2, 10 Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.36.5 Ha.	07.10.2021
55	M/s.K.Pachalingam Rough Stone Quarry at S.F. No: 98A (Part) Pit-4, 10 Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.12.0 Ha at S.F. No: 98A (Part) Pit-4, 10 Muthur Village, Kinathukadavu, Taluk, Coimbatore District.	07.10.2021
56	M/s.S.Rangasamy Rough Stone Quarry at S.F. No: 95 (Part) Easter Part, 10Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.34.5 Ha at S.F. No: 95 (Part) Easter Part.	07.10.2021
57	M/s.V.Gunasekaran Rough Stone Quarry at S.F. No: 98A (Part) Pit-1,10 Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.75.5 Ha.	07.10.2021
58	M/s.K.Sivaprakash Rough Stone Quarry at S.F. No: 98A (Part) Pit-5, 10 Muthur Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone quarry over an extent of 1.20.5 Ha.	07.10.2021
59	M/s. R.Sureshkumar Rough Stone & Gravel Quarry, S.F. No: 114/5B & 114/6B, Pottaiyandipurambu Village, Kinathukadavu Taluk, Coimbatore District	Proposed Rough Stone & Gravel quarry over an extent of 0.81.75 Ha.	07.10.2021
60	M/s. J S Auto Cast Foundry India Pvt Ltd,Plot No.KK5, KK6, KK7, SIPCOT Industrial Growth Centre, S.F.No.127pt,128pt,131 & 132pt of Ingur Village and S.F.No.213pt,214pt, &215pt of Perundururai Taluk, Erode District.	Proposed expansion of Production quantity from 1814 T/Month to 6000 T/Month	18.10.2021
61	M/s. S.Rangasamy quarry, at S.F.No.176/1A, 176/5A,176/6A & 316/2B2 of Marapari & Paruthipalli Villages of Thiruchengode Taluk, Namakkal District.	Proposed Rough Stone quarry over an extent of 2.02.30 Ha.	21.10.2021
62	M/s. S.Nandhakumar quarry, at S.F.No.22/2 of Marapari Village, Namakkal District.	Proposed Rough Stone quarry over an extent of 1.16 Ha.	21.10.2021
63	M/s. M.Krishnan quarry, at S.F.No.176/2, 176/3(part) & 176/11 (part) of Marapari Village, Namakkal District.	Proposed Rough Stone quarry over an extent of 0.90.25 Ha.	21.10.2021
64	M/s. B.Mekala quarry, at S.F.No.22/4(part) of Marapari Village, Namakkal District.	Proposed Rough Stone quarry over an extent of 1.40 Ha.	21.10.2021

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Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
65	M/s. K.Periyasamy quarry, at S.F.No.21/5B (part) of Marapari Village, Namakkal Dist.	Proposed Rough Stone quarry over an extent of 1.0 Ha.	21.10.2021
66	M/s.R.Paramasivam quarry at S..F.No.20/2B (part) & 21/5C(part) of Marapari Village, Namakkal District.	Proposed Rough Stone quarry over an extent of 1.0 Ha.	21.10.2021
67	M/s.T.Palavesammal at S.F.No.389/1B, Melathattaparai Village, Thoothukudi Taluk, Thoothukudi District.	Proposed Rough stone & Gravel Quarry over on Extent of 2.23.0 Ha in patta lands.	29.10.2021
68	M/s.D. Arulazhagan Rough Stone & Gravel Quarry S.F.No. 20/2B,20/2D,20/2H, 20/2I,20/2J & 20/2K, Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone and Gravel Quarry.	30.10.2021
69	M/s.A.Dasarathan Rough Stone & Gravel Quarry S.F.No. 186/1,190/2B1 &190/2B2, Kundiyanthandalam Village, Vembakkam Taluk, Tiruvannamalai District	Rough Stone Quarry.	30.10.2021
70	M/s.M. Ramachandran Rough Stone Quarry S.F.No. (Part - 3)Athi Village, Cheyyar Taluk, Tiruvannamalai District.	Rough Stone Quarries in a cluster.	30.10.2021
71	M/s. SRC Projects Pvt Ltd, (Rough Stone Quarry) S.F.No. 301 (Part - 2) Athi Village, Cheyyar Taluk, Tiruvannamalai District.	Rough Stone Quarries in a cluster.	30.10.2021
72	M/s.R.Mohanraj Rough Stone & Gravel Quarry, S.F.No. 176/1A,1B,1C,2A, 2B, 3A, 3B, 3C, 3D, 3E, 3F, 3G & 176/4B, Girijapuram Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone Quarry.	06.11.2021
73	M/s.J.Venkatesan Rough Stone & Gravel Quarry, S.F.No. 221/4,5,6,7,12, 13, 14, 15, 19, 20, 21 & 221/22, Chithathur Village, Vembakkam Taluk, Tiruvannamalai District	Rough Stone Quarry.	06.11.2021
74	M/s. T.Ponnambalam Rough Stone & Gravel Quarry, S.F.No.134/15A, 134/15B,134/17, 134/18, 134/19, 136/1, 136/2,136/3A, 136/3B, 136/3C,136/4,136/5, 136/6,136/7, 136/8,136/9,136/10,143/1A, 143/1B, 143/1C,143/1D,143/2,143/4,143/5,143/6,1 43/7A,143/7B,143/8,143/10,143/11,144/2, 144/3,144/4 and 144/5, Mennalur Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone Quarry.	06.11.2021
75	M/s.P.Varadharaj Rough Stone & Gravel Quarry, S.F.No.91/1A, Karunchami goundempalayam Village, Madukkari Taluk, Coimbatore District.	Proposed quantity of 1.23.0 Hectares Quarrying of Rough Stone, Top Soil, and Reject.	19.11.2021

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
76	M/s.Meenakshi Steel Re Rollers, S.F.No.478/1,478/2,478/3,478/4A,479/1, 479/2A, 480/1 & 480/2, Varapatti Village, Sulur Taluk, Coimbatore District.	Proposed to Manufacture MS Billets(Intermediate Product) with a capacity of 1,45,000 TPA and TMT Rods(Final Product)with a capacity of 1,40,000 TPA	23.11.2021
77	M/s.S.A.Ganesan Rough Stone & Gravel Quarry, S.F.No.273/2A & 281/2, Pachapalayam Village, Sulur Taluk, Coimbatore District.	Proposed quantity of 2.03.0 Hectares Quarrying of Rough Stone & Gravel Quarry	24.11.2021
78	M/s.A.Senthil Kumar Rough Stone & Gravel Quarry, S.F.No.67(P), Paladurai Village, Madukkari Taluk, Coimbatore District.	Proposed quantity of 3.00.0 Hectares Quarrying of Rough Stone, Top Soil, and Reject.	25.11.2021
79	M/s.V.Thulasiammal Rough Stone & Gravel Quarry, S.F.No.30/2B3(P), Paladurai Village, Madukkari Taluk, Coimbatore District.	Proposed quantity of 2.58.2 Hectares Quarrying of Rough Stone, Top Soil, and Reject.	25.11.2021
80	M/s. TamilNadu Minerals Limited (TAMIN), Black Granite Quarry, S.F.No.83(Part) of Jammanahalli Village, Pappireddipatti Taluk, Dharmapuri District - 636 904.	Black Granite Quarry (Mining)	25.11.2021
81	M/s.R.Rasu , S.F.No.54/4A,54/5A,54/5B & 56/1 of Brammadesam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone Quarry of Thiru.S.Jagadeesan in an extent of 1.29.0 Ha.	26.11.2021
82	M/s.C.Ganesan, S.F.No.27/2,27/3,27/4, of Brammadesam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone Quarry of Thiru.S.Jagadeesan in an extent of 1.11.5 Ha.	26.11.2021
83	M/s. S.Jagadeesan, S.F.No.49/1B,49/2, 49/4B, 49/5A, 49/6, 49/7, 49/12 & 49/13 of Brammadesam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone Quarry of Thiru.S.Jagadeesan in an extent of 1.84.5 Ha.	26.11.2021
84	M/s.R.Vadivel, S.F.No.59/13,59/14/59/15, 59/16,59/17,59/18 & 59/19 of Brammadesam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of R.Vadivel in an extent of 1.07.5 Ha.	26.11.2021
85	M/s.P.Yuvaraj, S.F.Nos.10/11,10/12,11/1, 11/2A, 11/3 of Nalmukkal Village and SF.Nos.8/4C1,8/7,8/8,8/9 of Chokkanthangal Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of Mr.P.Yuvaraj in an extent of 1.97.88 Ha.	26.11.2021
86	M/s.D.Durai, S.F.No.27/6,27/72/8,& 29/1 of Nalmukkal Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of Thiru.D.Durai in an extent of 1.85.5 Ha.	26.11.2021
87	M/s.V.Ravichandran, S.F.No.26/1B1,27/3A & 27/3B of Nalmukkal Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of Thiru.V.Ravichandran in an extent of 1.35.0 Ha.	26.11.2021
88	M/s.V.Narendiran, S.F.No.20/2 part & 21/2 of T.Nallalam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of Thiru.V.Narendiran in an extent of 1.30.0 Ha.	26.11.2021

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
89	M/s.N.Madheswaran, S.F.No.15/1 of T.Nallalam Village, Marakkanam Taluk, Villupuram District.	Proposed Rough Stone and gravel Quarry of Thiru.N.Madheswaran to be located in a cluster in an extent of 4.34.0 Ha.	26.11.2021
90	M/s.K.Jagadeshkumar, S.F.No.17/25, Krishnapuram Village, Vadipatti Taluk, Madurai District.	Proposed Rough Stone and gravel Quarry over an extent of 1.49.0 Ha of lease land.	14.12.2021
91	M/s.City Blue MetalRough Stone & Gravel Quarry, SF.No.135(part-2), Iyunkunam Village, Kilpennathur Taluk, Tiruvannamalai District.	Rough Stone and gravel Quarry	11.12.2021
92	M/s.P.Adhimoolum Rough Stone & Gravel Quarry, SF.No.135(part-7), Iyunkunam Village, Kilpennathur Tk, Tiruvannamalai Dist.	Rough Stone and gravel Quarry	11.12.2021
93	M/s.S.Sathish Narayanan Rough Stone &Gravel Quarry, SF.No.45/2C (part-6),Atthipadi Village, Tiruvannamalai Tk&dist	Rough Stone and gravel Quarry	18.12.2021
94	M/s.S.Vishnuvarthan, SF.No.86/3, Ponnangalam Village, Thirumangalam Taluk, Madurai District.	Proposed Rough Stone and gravel Quarry lease over an extent of 2.99.5 Hhectares of patta land.	21.12.2021
95	M/s.S.Selvakumar, SF.No.170(Part-1) in Chennampatti Village, Anthiyur Taluk, Erode District.	Rough Stone Quarry	28.12.2021
96	M/s.K.S.Selvaraj, SF.No.170(Part-2) in Chennampatti Village, Anthiyur Taluk, Erode District.	Rough Stone Quarry	28.12.2021
97	M/s.S.Gokul Santhosh, SF.No.170(Part-3) in Chennampatti Village, Anthiyur Taluk, Erode District.	Rough Stone Quarry	28.12.2021
98	M/s.S.Madharasu, SF.No.170(Part-4) in Chennampatti Village, Anthiyur Tk, Erode Dist.	Rough Stone Quarry	28.12.2021
99	M/s.V.P.R.Sheekar SF.No.176(Bit-4) of Pottanam Village, Sendamangalam Taluk, Namakkal District.	Rough Stone Quarry in an extent of 1.00 Ha.	30.12.2021
100	M/s.R.Varadaraju SF.No.176(Bit-1) of Pottanam Village, Sendamangalam Taluk, Namakkal District.	Rough Stone Quarry in an extent of 1.00 Ha.	30.12.2021
101	M/s.V.Manikandan , Rough Stone & Gravel Quarry S.F.No.869/1 & 869/2 of Chettipalayam Village, Madukkarai Taluk, Coimbatore District.	Proposed quantity of 2.57.5 Hectares Quarrying of Rough stone & Gravel.	19.01.2022
102	M/s.K.Paramasivam Rough Stone & Gravel Quarry, S.F.No.351/2G & 351/2H, Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District.	Proposed Rough Stone and Gravel Quarry over an extent of 1.86.0 Hectares.	19.01.2022

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
103	M/s.M.Anandha Prabhu Rough Stone & Gravel Quarry, over an extent of 1.41.50 hectares, Proposed Quarrying of Rough Stone & Gravel. at S.F.No.60/3A, 90/3B, 91/1B1, 91/1B2, 91/1C, 91/2A & 91/2B Pachapalayam Village, Suler Taluk, Coimbatore District.	Proposed Quarries 4 Nos of Total extent 5.57.0 Hectares(Total Extent of the Cluster 49.96.8 Ha)	21.01.2022
104	M/s.R.Baby Rough Stone & Gravel Quarry,over an extent of 1.33.0 hectares,Proposed Quarrying of Rough Stone & Gravel. At S.F.No.83/1C1B, 83/1C2 Pachapalayam Village, Suler Taluk, Coimbatore District.	Proposed Quarries 4 Nos of Total extent 5.57.0 Hectares(Total Extent of the Cluster 49.96.8 Ha)	21.01.2022
105	M/s.K.Nataraj Rough Stone & Gravel Quarry, over an extent of 1.48.0 hectares,Proposed Quarrying of Rough Stone & Gravel. at S.F.No.84/5A(P) Pachapalayam Village, Suler Taluk, Coimbatore District.	Proposed Quarries 4 Nos of Total extent 5.57.0 Hectares(Total Extent of the Cluster 49.96.8 Ha)	21.01.2022
106	M/s.R.Nataraj Rough Stone & Gravel Quarry, Proposed quantity of 1.34.5 Hectares Quarryingof Rough Stone & Gravel. S.F.No.90/2(P) & 91/1A(P) Pachapalayam Village, Suler Taluk, Coimbatore District.	Proposed Quarries 4 Nos of Total extent 5.57.0 Hectares(Total Extent of the Cluster 49.96.8 Ha)	21.01.2022
107	M/s.M.Ramasamy Rough Stone & Gravel Quarry,S.F.No.80/1E1,80/1E2 & 80/1E4 of Pachapalayam Village, Suler Taluk,Coimbatore District.	Proposed quantity of 1.37.0 Hectares Quarrying of Rough Stone & Gravel.	21.01.2022
108	M/s.TamilNadu Minerals Limited(TAMIN),Black Granite Quarry, S.F.No.412(Part) of Sunjalnatham Village, Pennagaram Taluk, Dharmapuri District - 636 810	Black Granite Quarry(Mining)	21.01.2022
109	M/sK.Prabakaran at SF.No.320/5, Sirudhamur Village, Uthiramerur Taluk, Kancheepuram District.	Proposed Rough Stone and Gravel Quarry extent of 2.15.30 Ha	27.01.2022
110	M/s.D.Arun Kumar at SF.No.338/1(Part-2) Sirudhamur Village, Uthiramerur Taluk, Kancheepuram District.	Proposed Rough Stone and Gravel Quarry extent of 4.95.0 Ha	27.01.2022
111	M/s.V.Sekar at SF.No.167/1(Part-2) Sirudhamur Village, Uthiramerur Taluk, Kancheepuram District.	Proposed Rough Stone and Gravel Quarry extent of 3.00.0 Ha	27.01.2022
112	M/s.M.S Blue Stones at SF.No.167/1(Part-1), Sirudhamur Village, Uthiramerur Taluk, Kancheepuram District.	Proposed Rough Stone and Gravel Quarry extent of 3.00.0 Ha	27.01.2022
113	M/s.L.Muthuraj at SF.No.114/1,114/2, 114/3,114/4,114/5,114/6,114/7,114/8,114/9B,115, Padur Village, Uthiramerur Taluk, Kancheepuram District.	Proposed Rough Stone and Gravel Quarry extent of 1.40.98	27.01.2022

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Sl. No.	Name and address of the project	Project Details	Date of Public Hearing
114	M/s.Shri Lakshmi Narayana Aggregates Pvt Ltd,S.F.No.152/6, 151/4,152/4B,152/5B, 151/3, 151/1, 150/4A2, 150/4B,150/3, 150/3B, 147/1C3 in Menallur Village and S.F.No.121/2,123/2A4B,123/1A1,123/1B, 123/1C, 123/1H, 123/1I, 123/1J, 123/2A1,123/2A5,123/2A6.123/2B1,123/2 B2,123/2A2,123/2A3 & 123/A4A in Poonathangal Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone Quarry	17.02.2022
115	M/s.SRC Projects(P) Ltd, S.F.No.222/18, 222/19,222/20 & 222/21 Chithathur Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone Quarry	17.02.2022
116	M/s.SRC Projects(P) Ltd, S.F.No.210/1, 211, 212/1, 212/2, 212/3, 212/4, 212/5, 212/6, 212/7, 212/8, 212/9, 212/10, 212/11, 212/12, 212/13,212/14,212/15,212/16,212/17, 212/18 and S.F.No.222/18, 222/19, 222/20 & 222/21 Chithathur Village, Vembakkam Taluk, Tiruvannamalai District.	Rough Stone Quarry	17.02.2022
117	M/s.Dalmia Bharat Green Vision Limited,Mulliseval & Peddureddipatti Villages,Sattur Taluk, Virudhunagar District.	Proposed 2*2.5 Million TPA (OPC/PPC/PSC/PCC) Cement Grinding units.	30.03.2022

10.8 COMPLAINT CELL

10.8.1 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, Chennai. For easy access of the Public and others, separate toll free number 18004256750, fax 044-22353153 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, 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, 01.04.2021 to 31.03.2022, 2888complaints were received, investigated and disposed off.

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

10.8.2 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 2021 to 31st March 2022, 40,837 petitions were received and disposed off.

10.9 FUNDING TO OTHER DEPARTMENTS

Green Tamil Nadu Mission: Government vide G.O(Ms)No.126 Environment, climate Change and Forests (FR-6) Department dated 09.12.2021 have issued orders to TNPCB to release Rs.15 Crores to the Mission Director & Addition Principal Chief Conservator of Forests, Green Tamil Nadu Mission, Panagal Maligai, Saidapet, Chennai – 15 towards payment for Nursing and Plantation cost under Green Tamil Nadu Mission for the year 2021-22. Based on that, the board released Rs.15 Crores on 31.03.2022.

10.10 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 Offices in the Districts. The Head Office is functioning in own building since 1994. Among the 38 District Offices, 29 offices are functioning in own building for 29 offices. Offices of the JCEE's (M) and the laboratories are housed in the respective district office building.

The Status of 38 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	1	Salem
3	Building to be constructed	3	Nagercoil (Work awarded to PWD), Tiruppur (North) and Tiruppur (South)
4	Land Purchased	1	Theni (Detailed cost estimate awaited from TNPHC Ltd, Chennai).
5	Land Identification / Procurement under process	4	Ramanathapuram, Kumarapalayam, Karur and Ooty.
Total		38	

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10.11 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 2021-22, totally 2436 applications were received and necessary information were provided to all the applicants.

10.12 LIBRARY

The Board Library was established in 1989. At present, the library has a collection of above 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 are received from different institutions (Indian & Foreign). Back volumes of the journals are bound and kept for reference in the Periodical Section. Membership is opened to students and public who are involved in the field of pollution control and environmental protection. Readers are provided photocopying facilities.

Membership Fee:

Student	:	Monthly	-	Rs.30.00
	:	Annual	-	Rs.75.00
Individual	:	Annual	-	Rs.100.00

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.

10.13 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

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

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.

10.14 TNPCB's SERVICES ONLINE

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

Sl. No.	Online Module	Service
1	Online Consent Management and Monitoring System (OCMMS)	Issue of Consent under Water & Air Acts
2	OCMMS – Hazardous Waste, Bio-Medical Waste, Solid Waste, Plastic Waste, E-Waste, C&D Waste & Battery	Issue of Authorization for management of Hazardous & Other Wastes, Bio-medical Waste, Solid Waste, E-Waste, C&D Waste, and Registration for Plastic Waste & Battery Handling
3	Online Hazardous Waste Manifest Application (OHWMS)	Manifest for transport of hazardous waste
4	Online Grievance Redressal System (OLGPRS)	Redressal of Public Complaints

The above module allows the applicant to file application, furnish additional details, payment of consent fee, receiving of consent/authorization orders through online. The system also provides SMS alert at the important stages of process of the application. The applicant can also view the real time status of the application and where and with whom the application is pending.

Further, the Government of Tamil Nadu has established a single window facilitation mechanism under Tamilnadu Industrial Guidance and Export Promotion Bureau to accord in-principle composite approval for pre-project clearances at the State Government level. During 2021-22, 117 project applications were received and out of them 95 were granted consent.

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

X. OTHER IMPORTANT MATTERS DEALT BY TNPCB

Goal – 9 'Industries Innovation and Infrastructure': 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 'Responsible Consumption and Production': 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 194 stations and ambient air quality at 87 stations.

Goal – 13 'Climate Action': 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 Board conducts training programme through its Environmental Training Institute (ETI) and awareness programme through the District Environmental Engineers on a regular basis. Nearly 92 training programmes, 196 awareness programmes and 863 people have been trained during the period 2021-22.

The progress of the TNPCB on achieving the Targets is given in the Table below:

Sub category	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
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%
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)
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 12.4.2 Quality monitoring by introduction of monitoring stations across the State							

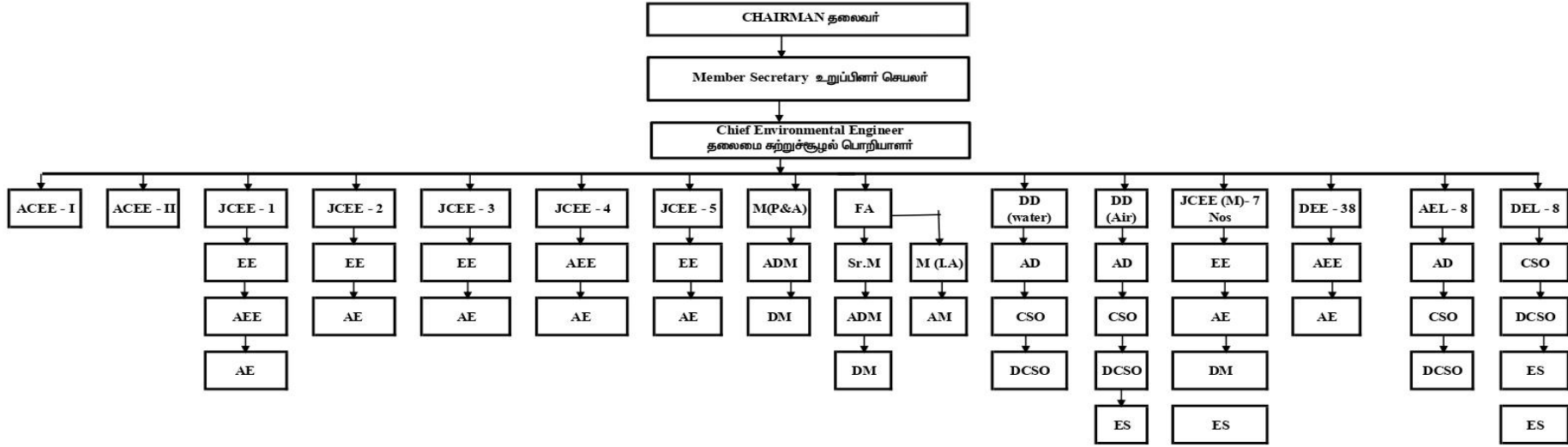
X. OTHER IMPORTANT MATTERS DEALT BY TNPCB.

Sub category	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
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)
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)
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)
No. of polluted river stretches identified	7	7	8	6	6	6	6
No. of non attainment cities identified	0	0	0	1	2	2	4
No. of CETPs functioning	35	35	35	35	36	36	33
No. of CETPs adopting ZLD systems	31	31	31	31	32	32	30
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							
Environmental training (Nos.)	28	18	36	39	60	23	92
No. of beneficiaries	1746	522	388	761	1689	327	863
Public awareness programme during festival seasons (Nos.)	100	109	111	172	190	193	196

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ANNEXURES

ANNEXURE-I ORGANIZATION CHART



- ACEE - Additional Chief Environmental Engineer, கூடுதல் தலைமை சுற்றுச்சூழல் பொறியாளர்
- JCEE - Joint Chief Environmental Engineer இணை தலைமை சுற்றுச்சூழல் பொறியாளர்
- JCEE (M) - Joint Chief Environmental Engineer (Monitoring) இணை தலைமை சுற்றுச்சூழல் பொறியாளர்
- EE - Environmental Engineer சுற்றுச்சூழல் பொறியாளர்
- DEE - District Environmental Engineer மாவட்ட சுற்றுச்சூழல் பொறியாளர்
- AEE - Assistant Environmental Engineer உதவி சுற்றுச்சூழல் பொறியாளர்
- AE - Assistant Engineer உதவி பொறியாளர்
- FA - Financial Advisor நிதி ஆலோசகர்
- Sr.M - Senior Manager முழுநிலை மேலாளர்
- M(P&A) - Manager (Personnel & Administration) மேலாளர் (பணி மற்றும் நிர்வாகம்)
- M (I.A) - Manager (Internal Audit) மேலாளர் (உள் தணிக்கை)
- DM - Deputy Manager துணை மேலாளர்
- ADM - Additional Manager கூடுதல் மேலாளர்

- DD - Deputy Director இணை இயக்குனர்
- AD - Assistant Director உதவி இயக்குனர்
- CSO - Chief Scientific Officer தலைமை விஞ்ஞான அலுவலர்
- DCSO - Deputy Chief Scientific Officer துணை தலைமை விஞ்ஞான அலுவலர்
- ES - Environmental Scientist சுற்றுச்சூழல் விஞ்ஞானி
- AEL - Advanced Environmental Laboratory மேம்படுத்தப்பட்ட சுற்றுச்சூழல் ஆய்வகம்
- DEL - District Environmental Laboratory மாவட்ட சுற்றுச்சூழல் ஆய்வகம்

ANNEXURE - II A
TNPCC LABORATORIES - PERFORMANCE EVALUATION FOR THE MONTH OF APRIL 2021 - MARCH 2022
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 fromDee	Sludge	Others	Total
1	AEL - Chennai	684	371	0	0	193	43	0	0	60	253	151	0	24	238	16	36	2069
2	AEL - Coimbatore	1422	786	0	0	0	83	0	0	0	0	0	31	0	0	2	46	2370
3	AEL - Cuddalore	941	361	0	0	0	132	19	0	0	0	0	0	147	0	0	0	1600
4	AEL - Madurai	940	259	0	15	0	402	0	0	0	14	0	0	20	87	5	56	1798
5	AEL - Salem	886	444	34	400	0	399	116	0	0	155	0	68	81	0	21	149	2753
6	AEL - Tirunelveli	806	437	0	166	0	75	21	0	0	0	0	0	110	0	0	94	1709
7	AEL - Trichy	1200	940	118	0	0	184	0	0	0	0	0	0	44	0	0	0	2486
8	AEL - Vellore	717	306	0	9	0	362	93	0	0	0	0	0	0	0	0	0	1487
9	DEL - Ambattur	1814	731	0	0	0	0	0	0	20	0	0	0	0	0	0	0	2565
10	DEL - Dindigul	1101	373	0	0	0	227	39	0	0	0	0	0	0	0	42	0	1782
11	DEL - Hosur	585	473	0	0	0	0	81	0	0	0	0	0	0	0	0	0	1139
12	DEL - Manali	1082	531	0	0	0	41	37	0	0	0	0	0	0	0	0	0	1691
13	DEL - M.M.Nagar	993	763	0	0	0	35	0	0	0	0	0	0	54	0	0	40	1885
14	DEL - Perundurai	1033	54	0	0	0	93	21	0	0	0	0	0	0	0	0	0	1201
15	DEL - Thoothukudi	447	149	0	0	0	354	0	0	0	0	0	0	0	0	0	4	954
16	DEL - Tiruppur	846	155	0	0	0	21	213	0	0	0	0	0	0	0	0	95	1330
Total		15497	7133	152	590	193	2451	640	0	80	422	151	99	480	325	86	520	28819

ANNEXURE - II B

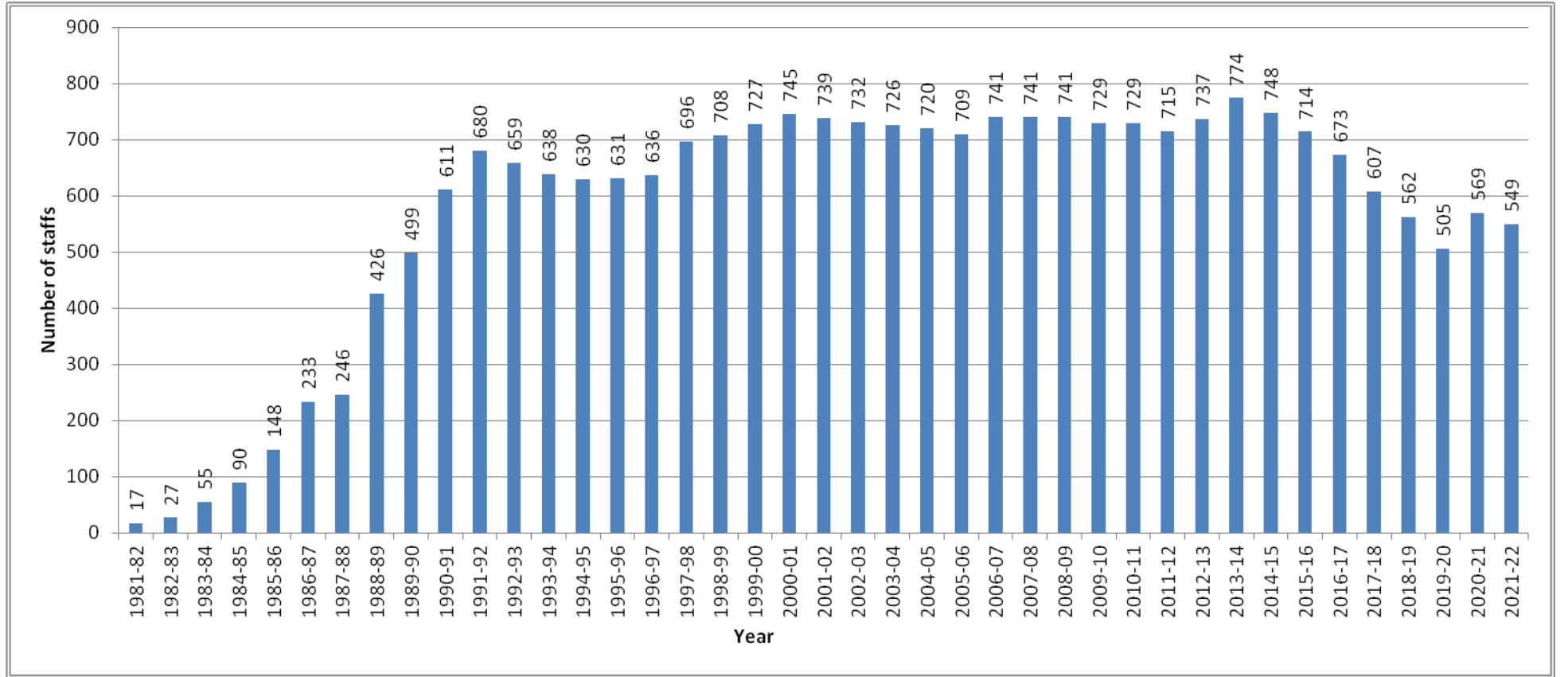
TNPCC LABORATORIES - PERFORMANCE EVALUATION FOR THE MONTH OF APRIL 2021 - MARCH 2022

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	125	3	1016	48	734	1	1444	505	2900	2900	0	125	0	681	0
2	AEL - Coimbatore	74	14	362	83	231	21	771	261	1539	1539	0	71	17	360	106
3	AEL - Cuddalore	117	9	808	56	428	10	2394	696	4180	4180	4180	117	9	958	39
4	AEL - Madurai	59	3	374	28	131	1	1391	236	2781	2781	1567	59	4	398	37
5	AEL - Salem	81	20	552	114	252	0	2033	1288	418	1157	0	22	7	694	119
6	AEL - Tirunelveli	32	5	158	22	57	2	346	133	544	544	399	31	15	178	110
7	AEL - Trichy	105	4	698	12	285	3	2109	591	4218	4218	0	105	2	511	22
8	AEL - Vellore	79	0	436	0	256	0	198	66	396	396	0	79	0	374	0
9	DEL - Ambattur	98	0	480	0	482	0	834	278	1668	1668	1668	96	1	480	8
10	DEL - Dindigul	67	0	510	0	199	0	462	154	924	924	0	67	0	404	0
11	DEL - Hosur	123	3	560	33	248	0	0	0	0	0	0	123	1	620	5
12	DEL - Manali	61	4	349	32	193	0	0	0	0	0	0	60	4	328	26
13	DEL - M.M.Nagar	121	0	581	0	388	0	0	0	0	0	0	121	0	610	0
14	DEL - Perundurai	75	3	354	6	158	0	0	0	0	0	0	75	4	381	25
15	DEL - Thoothukudi	26	0	129	0	42	0	878	295	1756	1756	1756	26	0	118	0
16	DEL - Tiruppur	90	0	432	24	126	0	0	0	0	0	0	90	0	431	12
Total		1333	68	7799	458	4210	38	12860	4503	21324	22063	9570	1267	64	7526	509

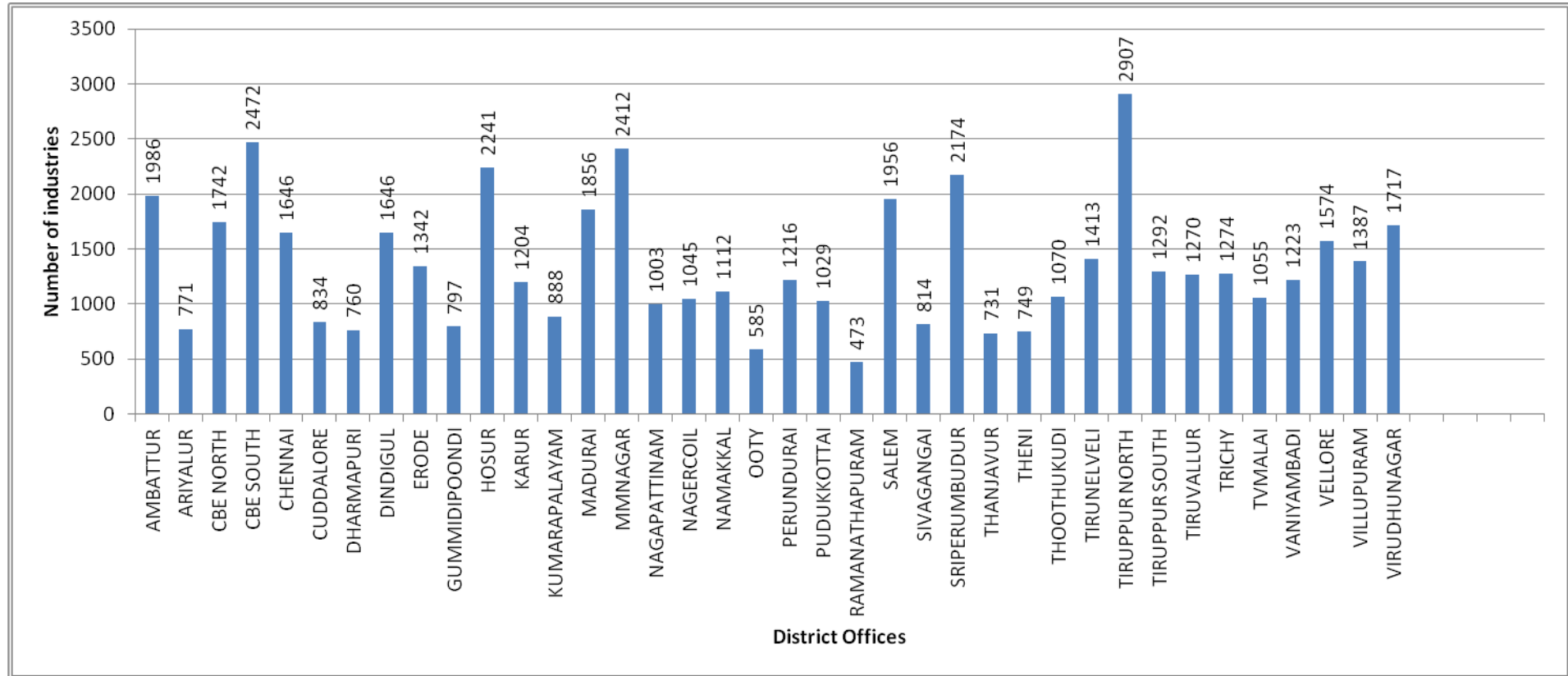
ANNEXURE - III

STAFF STRENGTH OF TNPCB (Year wise)



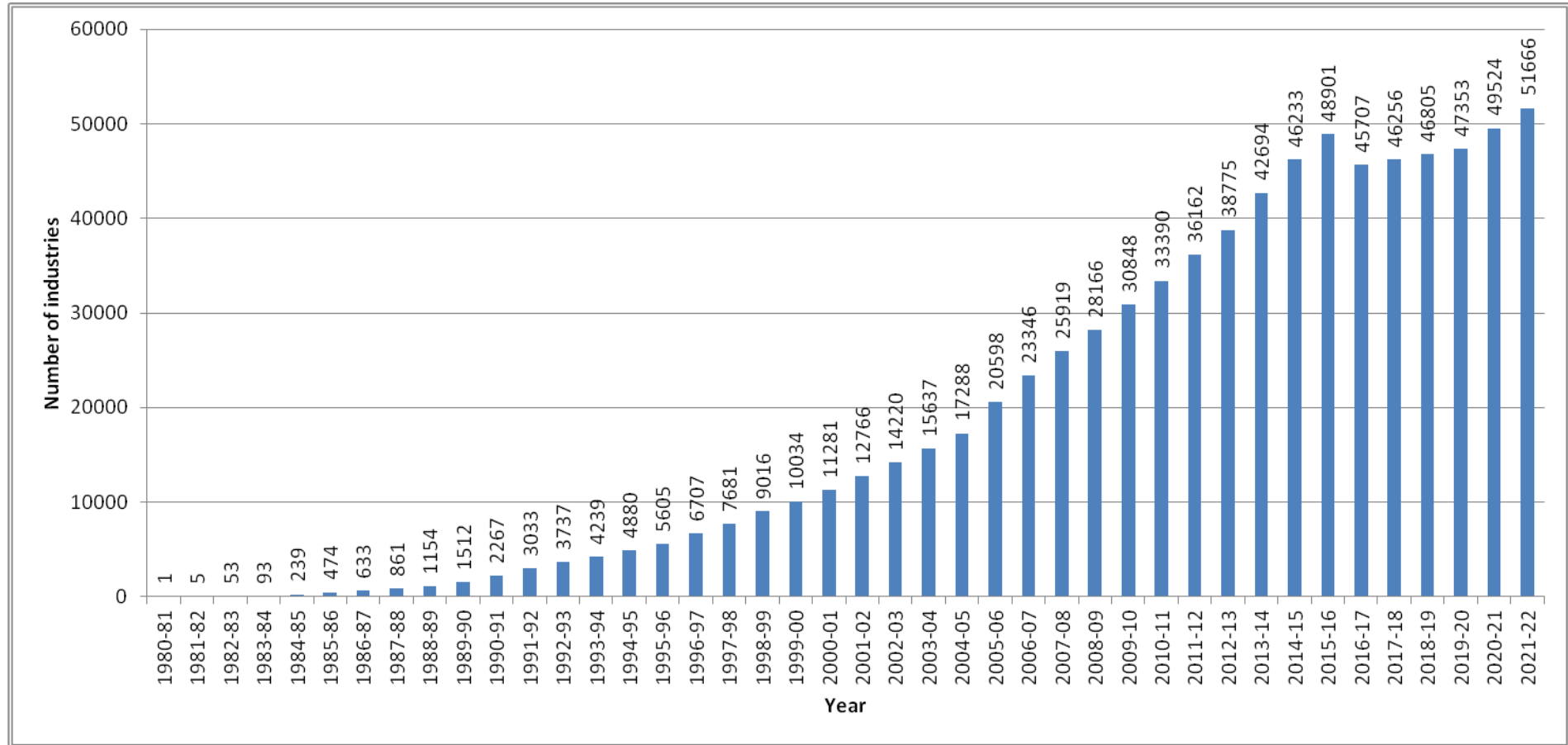
ANNEXURE - IV

NUMBER OF INDUSTRIES UNDER THE PURVIEW OF TNPCB (District wise)



ANNEXURE - V

NUMBER OF INDUSTRIES UNDER THE PURVIEW OF TNPCB (Year wise)



As per the revised categorization by CPCB in March 2016, White category industries need not obtain Consent to Operate. Hence there is a decline in the number of industries during the period 2016-2017.

ANNEXURE - VI

STATUS OF AIR QUALITY OF IMPORTANT CITIES/ TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME (NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2021-2022

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	14	10	12	17	12	15	58	44	51	32	25	29
(b)	Manali	Industrial	16	11	14	20	14	16	63	46	55	36	25	30
(c)	Thiruvottiyur	Industrial	14	9	12	17	12	15	56	43	51	34	24	29
(d)	Anna Nagar	Residential	12	8	10	23	18	20	60	41	50	27	17	22
(e)	Adyar	Residential	12	8	10	22	17	19	57	38	46	24	15	19
(f)	Kilpauk	Commercial (Traffic-intersection)	13	8	10	24	17	20	78	43	53	45	17	23
(g)	Thiyagarayanagar	Commercial (Traffic-intersection)	13	8	11	25	18	22	84	45	58	46	20	27
(h)	Nungambakkam	Commercial (Traffic-intersection)	12	8	10	24	16	21	60	43	52	28	17	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 $\mu\text{g}/\text{m}^3$		

ANNEXURE - VI Contd.

STATUS OF AIR QUALITY OF IMPORTANT CITIES/ TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME(NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2021-2022

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
2	COIMBATORE													
(a)	District Collector Office	Commercial	9	7	9	19	15	16	61	41	49	29	17	22
(b)	Kavundampalayam	Residential	9	6	7	21	15	17	69	43	52	35	18	25
(c)	SIDCO	Industrial	11	7	9	20	16	18	59	43	51	29	17	22
3	THOOTHUKUDI													
(a)	Raja Agencies/ NTPL Quarters	Industrial	5	4	5	7	6	7	148	102	122	28	21	24
(b)	AVM Buildings	Commercial	4	4	4	7	6	6	88	58	74	23	14	19
(c)	SIPCOT	Industrial	4	3	4	7	6	6	87	57	73	23	14	18
4	MADURAI													
(a)	Hotel Tamil Nadu	Residential	15	11	13	18	14	16	56	43	49	24	17	20
(b)	Pitchai Pillai Chavadi	Industrial	18	13	16	21	17	18	67	53	59	33	26	29
(c)	Birla Guest House	Commercial	17	12	14	20	15	17	62	47	53	28	21	24
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 $\mu\text{g}/\text{m}^3$		

ANNEXURE - VI Contd.

STATUS OF AIR QUALITY OF IMPORTANT CITIES/ TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME(NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2021-2022

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	SALEM													
(a)	Siva Tower	Commercial	11	7	9	28	21	25	50	37	43	27	19	24
6	TRICHY													
(a)	Thennur	Commercial	13	9	11	16	13	14	50	31	41	22	13	17
(b)	Main Guard Gate	Traffic-intersection	17	11	14	21	15	17	65	41	54	-	-	-
(c)	Bishop Heber College	Commercial	12	8	10	16	12	14	45	25	35	21	11	16
(d)	Golden Rock	Residential	12	9	10	16	12	14	45	27	35	20	11	16
(e)	Central Bus Stand	Traffic-intersection	15	11	13	19	15	16	65	40	53	28	17	23
7	CUDDALORE													
(a)	Eachangadu Village	Residential	17	7	12	22	10	16	52	34	43	24	17	21
(b)	Imperial Road	Commercial	21	8	14	28	12	20	58	38	50	27	19	23
(c)	SIPCOT	Industrial	19	9	14	25	12	19	54	35	45	25	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 $\mu\text{g}/\text{m}^3$		

ANNEXURE - VI Contd.

STATUS OF AIR QUALITY OF IMPORTANT CITIES/ TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME(NAMP), ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, 2021-2022

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
8	METTUR													
(a)	Raman Nagar	Residential	10	7	8	28	23	25	40	29	34	24	18	20
(b)	SIDCO	Industrial	10	8	9	29	25	26	51	41	46	27	21	24
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 $\mu\text{g}/\text{m}^3$		

ANNEXURE - VII

TNPCB – CONTINUOUS AMBIENT AIR QUALITY MONITORING STATIONS 2021-2022

Sl. No.	Station Name	Ambient Air Quality in µg/m ³																							
		SO ₂			NO ₂			PM ₁₀			PM _{2.5}			CO			O ₃			NH ₃			Benzene		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	Koyambedu	17	22	19	1	2	1	35	92	60	13	54	30	-	-	-	-	-	-	0	2	1	-	-	-
2	Royapuram	3	5	4	9	23	17	28	85	54	9	44	23	1	1	1	10	13	11	19	74	35	0	5	1
3	Kodungaiyur	3	14	10	5	14	10	44	100	65	8	42	24	0	1	0	19	30	25	7	15	11	1	2	2
4	Perungudi	4	6	4	2	7	5	31	97	58	8	45	21	0	1	0	8	40	29	8	14	10	0	0	0
5	Gummidipoondi	3	15	9	5	17	11	39	137	73	14	48	30	-	-	-	-	-	-	8	24	17	-	-	-
6	Perundurai	3	17	10	0	16	8	0	83	41	8	80	44	0	3	1	3	42	23	0	170	49	0	0	0
7	Thoothukudi	1	7	6	2	21	9	30	78	50	-	-	-	0	0	0	4	37	27	-	-	-	1	2	1
8	Coimbatore	11	69	14	0	98	18	0	164	42	0	87	28	0	8	1	0	51	8	0	27	6	0	0	0
9	Manali	3	23	7	0	42	14	64	190	64	2	2	32	0	1	1	8	119	64	3	72	13	0	0	0
10	Karur	3	94	6	2	239	13	7	152	46	4	91	27	0	1	0	6	70	31	1	30	8	0	1	0
11	Vandalur	0	55	33	0	28	9	22	196	75	9	165	35	0	2	0	6	54	17	0	19	11	0	0	0
12	Trichy Rural	2	67	21	1	32	9	5	119	44	4	106	26	0	2	0	0	94	13	0	38	13	0	1	0
13	Tirunelveli	5	75	19	6	21	7	11	227	67	2	69	18	0	2	1	5	29	11	0	40	4	0	0	0
14	Ramanathapuram	8	188	12	0	8	2	5	112	46	3	62	18	0	10	1	9	36	14	4	16	6	-	-	-
15	Kathivakkam	7	96	35	0	52	21	10	216	65	0	92	24	0	1	0	5	63	18	0	66	10	0	0	0
16	Tiruppur	0	15	5	0	27	7	21	253	109	5	244	37	0	1	0	5	65	26	0	19	7	0	0	0
17	Ooty	30	35	32	1	34	19	25	133	80	14	81	46	0	0	0	11	63	31	0	0	0	0	0	0
18	Coimbatore.	3	8	4	1	25	6	6	152	53	2	100	27	0	1	1	4	11	4	1	22	6	0	0	0
19	Cuddalore Semmendam	0	35	13	0	30	7	9	155	55	5	88	27	0	5	0	0	21	3	1	24	5	0	0	0
20	Dindigul	2	24	6	1	13	7	6	123	35	3	94	18	0	1	0	2	74	26	3	12	3	0	0	0

ANNEXURE - VII Contd.

TNPCB – CONTINUOUS AMBIENT AIR QUALITY MONITORING STATIONS 2021-2022

Sl. No.	Station Name	Ambient Air Quality in µg/m ³																							
		SO ₂			NO ₂			PM ₁₀			PM _{2.5}			CO			O ₃			NH ₃			Benzene		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
21	Tiruchy City	0	45	7	3	26	11	2	167	49	2	116	22	0	1	0	0	83	35	0	15	7	0	0	0
22	Ranipet	17	48	30	0	6	3	2	122	33	2	114	26	0	0	0	17	18	17	1	2	1	0	0	0
23	Hosur	1	23	10	8	43	16	7	128	59	3	66	31	0	1	0	1	38	11	5	17	10	0	0	0
24	Ariyalur	0	44	12	4	224	23	7	113	41	2	201	23	0	1	1	5	73	24	0	25	3	0	0	0
25	Salem	0	63	23	3	61	18	5	119	44	4	106	26	0	2	0	0	94	13	7	34	13	0	0	
26	Nammakal	0	50	17	1	32	44	11	166	41	4	117	23	0	1	0	1	134	44	-2	44	10	0	1	0
27	Kanchipuram	1	27	6	4	24	3	2	150	44	1	327	30	0	1	0	4	73	15	1	27	16	0	1	0
28	Pudukottai.	2	44	14	0	28	9	22	196	75	9	165	35	0	10	1	9	36	14	4	16	6	0	0	0
29	TNPCB Office, Cuddalore.	4	126	17	8	35	10	7	126	50	5	70	27	0	1	0	6	59	25	10	74	16	0	0	0
30	Nagapattinam	7	24	18	0	0	0	5	88	33	0	59	17	0	2	0	1	97	28	0	0	0	0	0	0
31	Madurai	1	24	6	0	83	16	2	128	36	2	60	21	0	11	1	0	209	7	0	63	6	0	0	0
32	Virudhunagar	0	76	20	7	28	13	0	162	36	1	83	19	0	1	1	1	37	9	0	11	0	0	1	0
33	Thanjavur	4	50	17	4	224	23	7	113	41	4	106	26	0	1	0	6	70	31	5	17	10	0	0	0
34	Vellore	1	24	6	0	83	16	2	150	44	1	327	30	0	1	0	4	73	15	2	44	10	0	1	0
	Standard (Annual Average)	50 µg/m ³			40 µg/m ³			60 µg/m ³			40 µg/m ³			---			100 µg/m ³			100 µg/m ³			5 µg/m ³		

ANNEXURE - VIII A

AMBIENT AIR QUALITY OF TAMIL NADU DURING DEEPAVALI FESTIVAL 2021

Sl. No.	Station Location	Ambient Air Quality (24 hrs average) $\mu\text{g}/\text{m}^3$											
		Pre-Deepavali (28.10.2021 to 03.11.2021)				Deepavali (04.11.2021)				Post-Deepavali (05.11.2021 to 11.11.2021)			
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
I	CHENNAI												
1	Triplicane (R)	48	22	9	18	267	222	14	26	40	19	10	16
2	Basant Nagar (R)	44	19	7	18	187	175	12	26	50	21	10	18
3	Nungambakkam (R)	49	23	9	19	283	210	11	26	37	18	9	16
4	Sowcarpet (M)	59	30	11	22	268	212	17	31	40	19	10	17
5	T.Nagar (C)	55	28	10	21	280	231	13	28	43	19	9	16
II	COIMBATORE												
1	District Collector Office (C)	56	26	9	20	203	88	12	25	48	21	8	20
2	Kovundampalayam (R)	54	23	8	18	209	78	14	27	52	22	8	18
III	CUDDALORE												
1	Imperial Road (M)	51	21	18	23	93	41	37	38	35	18	16	18
2	Pudupalayam (R)	48	18	16	20	87	38	34	35	32	16	14	12
IV	MADURAI												
1	Thirunagar (R)	49	16	11	14	132	40	28	32	49	20	15	18
2	Birla Vishram	66	23	14	17	166	44	36	40	56	25	18	20
V	SALEM												
1	Sarada Balamandir Boys Higher Secondary School (R)	36	23	9	17	72	40	11	20	54	29	10	19
2	Siva Tower (M)	41	19	7	11	79	42	11	24	63	33	10	18
VI	TRICHY												
1	Ramalinga Nagar (M)	43	14	8	12	56	21	10	15	48	15	9	13
2	Gandhi Nagar (R)	57	17	10	14	80	29	13	17	51	16	9	14
VII	TIRUNELVELI												
1	Pettai (M)	43	14	7	14	63	15	10	20	43	10	8	16
2	Tirunelveli Town (R)	56	13	8	17	65	17	10	19	50	9	9	18

ANNEXURE - VIII A

AMBIENT AIR QUALITY OF TAMIL NADU DURING DEEPAVALI FESTIVAL 2021

Sl. No.	Station Location	Ambient Air Quality (24 hrs average) $\mu\text{g}/\text{m}^3$											
		Pre-Deepavali (28.10.2021 to 03.11.2021)				Deepavali (04.11.2021)				Post-Deepavali (05.11.2021 to 11.11.2021)			
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
VIII	VELLORE												
1	Gandhi Nagar @	107	67	8	16	144	43	12	21	53	15	6	14
2	SIDCO Industrial Estate	95	27	6	14	139	58	11	19	57	15	6	4
IX	HOSUR												
1	Intel Transit Home (R)	41	19	16	22	100	42	30	32	59	24	10	17
2	ESI Hospital (S)	47	19	14	22	56	24	20	24	46	20	10	17
X	THOOTHUKUDI												
1	Raju Nagar (R)	56	23	2	8	190	156	4	10	47	16	3	7
2	Cellisini Colony (R)	67	17	3	7	252	181	4	10	55	18	3	7
XI	DINDIGUL												
1	Rajagopal Iyengar Petrol Bunk (M)	78	32	17	23	138	48	26	32	94	36	19	25
2	Nagalpudur (R)	66	28	14	19	117	42	22	29	73	28	16	22
XII	TIRUPPUR												
1	Kumaran Complex (M)	179	63	26	11	248	18	15	<9	128	18	11.5	<9
2	Rayapuram (R)	242	50	20	12	135	40	17	<9	126	20	11	11
XIII	NAGERCOIL												
1	Water tank road (M)	33	7	7	37	74	17	9	20	39	5	8	15
	Scott Christian College (R)	36	7	6	14	60	10	8	15	38	5	6	13
XIV	CHENGALPATTU												
	Tambaram (R)	56	21	10	13	266	86	24	30	47	15	9	8
XV	THANJAVUR												
	Arokkiya Nagar (R)	30	11	8	10	67	40	15	17	27	9	8	10
	Karunavathi Nagar (M)	40	17	10	11	76	46	16	18	35	11	10	12
Standard (24 hours)	PM₁₀ - 100 $\mu\text{g}/\text{m}^3$, PM_{2.5} - 60 $\mu\text{g}/\text{m}^3$, SO₂ - 80 $\mu\text{g}/\text{m}^3$, NO₂ - 80 $\mu\text{g}/\text{m}^3$.												
	R- Residential, C - Commercial, M - Mixed Residential, S - Special Zone												

ANNEXURE - VIII B

AMBIENT AIR QUALITY IN GREATER CHENNAI CORPORATION DURING PRE-BHOGI & BHOGI 2022

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		
10.01.2022 to 11.01.2022	12.01.2022 to 13.01.2022	10.01.2022 to 11.01.2022	12.01.2022 to 13.01.2022	10.01.2022 to 11.01.2022	12.01.2022 to 13.01.2022	10.01.2022 to 11.01.2022	12.01.2022 to 13.01.2022	10.01.2022 to 11.01.2022	12.01.2022 to 13.01.2022	AQI Value	AQI Value	
I	Thiruvotriyur	Kathivakkam	12	14	13	16	41	71	24	41	41	71
II	Manali	Manali	13	14	14	16	42	88	26	54	43	89
III	Madhavaram	Thillai Nagar	12	12	15	14	46	91	28	52	47	91
IV	Tondiarpet	Tondiarpet	11	13	19	22	53	79	30	45	53	79
V	Royapuram	Royapuram	12	14	16	17	55	66	25	39	55	66
VI	Thiru.Vi.Ka. Nagar	Thiru.Vi.Ka. Nagar	13	16	14	18	43	82	26	49	44	82
VII	Ambattur	Ambattur	13	12	14	14	43	75	26	41	43	75
VIII	Anna Nagar	Anna Nagar	9	11	18	20	46	71	23	28	46	71
IX	Teynampet	T. Nagar	7	11	21	22	48	61	19	21	48	61
X	Kodambakkam	Kodambakkam	8	10	15	18	41	68	22	27	41	68
XI	Valasaravakkam	Zonal office	9	14	23	24	48	60	24	42	47	70
XII	Alandur	Zonal office,	6	12	22	21	46	45	21	39	46	65
XII	Adyar	Besant Nagar	7	9	20	17	33	67	19	35	33	67
XIV	Perungudi	Perungudi	9	11	18	21	47	90	14	23	49	90
XV	Shozhinganallur	Shozhinganallur	8	12	16	22	49	81	15	18	47	81
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

ANNEXURE-IX A

CAUVERY RIVER WATER QUALITY (UNDER GEMS PROGRAMME) 2021-2022

Classification of the Water Quality as per the Designated Best Use													
Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Mettur	A	*	*	*	*	*	*	*	B	*	*	B
2	Pallipalayam	*	*	*	*	*	*	*	*	B	*	*	*
3	Musiri Borewell	*	*	*	A	*	A	*	*	*	*	*	*
4	Musiri Ferrygate	B	B	B	B	B	B	A	B	B	B	B	B

* No flow / Sample not collected due to COVID-19

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

ANNEXURE - IX B

CAUVERY RIVER WATER QUALITY (UNDER MINARS PROGRAMME) 2021-2022

Classification of the Water Quality as per the Designated Best Use													
Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Badrakali Amman koil	A	*	*	A	B	B	B	B	C	B	B	A
2	Sirumugai	B	*	*	A	B	A	A	A	B	A	A	A
3	Bhavani Sagar	A	*	*	B	A	A	A	A	B	B	A	A
4	Bhavani	B	*	*	B	B	B	B	B	B	B	B	B
5	R.N. Pudur	B	*	*	B	B	B	B	B	B	B	B	B
6	Vairapalayam	A	A	B	B	B	B	B	B	B	B	B	B
7	P.Velur	B	*	B	B	B	B	B	B	C	B	B	B
8	Mohanur	B	*	B	*	B	B	B	B	C	B	B	B
9	Madathukulam	B	*	B	A	A	A	A	A	A	A	A	A
10	Thirumukkudal	B	*	B	B	B	B	B	B	B	B	B	B
11	Trichy U/S	B	B	B	B	B	B	B	B	B	B	B	B
12	Trichy D/S	B	*	*	C	C	C	B	C	C	C	C	C
13	Grand Anaicut	B	*	*	B	B	B	B	B	B	B	B	B
14	Coleroon	*	*	*	*	*	*	*	*	*	*	*	*
15	Pitchavaram	*	*	*	*	*	*	*	*	*	*	*	*
16	Karunthattankudi	B	*	*	B	B	B	A	B	B	B	B	B

* No flow / Sample not collected due to COVID-19

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

ANNEXURE - IX C

CAUVERY RIVER WATER QUALITY (UNDER MINARS PROGRAMME) 2021-2022

Classification of the water Quality as per the Designated Best Use													
Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Kumarapalayam	B	B	B	B	B	B	B	B	B	B	B	B
2	Urrachikottai	B	B	B	B	B	B	B	B	B	B	B	B
3	Chirampalayam	B	B	B	B	B	A	B	B	B	B	B	B
4	Pugalur	B	B	B	B	B	B	B	B	B	B	D	B
5	Pettavaithalai	*	*	B	*	B	B	B	B	B	B	B	B
6	Kumbakonam	A	*	*	B	B	B	C	B	B	B	B	B
7	Mayiladurai	*	B	B	B	B	B	B	B	B	B	C	B
8	Sathiyamanagalam	B	B	B	B	B	A	A	A	A	A	A	A
9	Kalingalrayan Canal (B5)	B	B	*	*	*	B	B	B	B	A	B	B
10	Kalingalrayan Canal (B10)	B	B	*	*	B	B	B	B	B	B	B	B
11	Uthamasollapuram	E	E	E	C	E	E	D	B	B	B	E	C
12	Thulukannur	E	*	E	E	E	E	A	A	E	E	*	*
13	Edappadi	*	*	*	*	*	*	*	*	*	*	*	*

* No flow / Sample not collected due to COVID-19

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

ANNEXURE - X

STATUS OF RIVER TAMIRAPARANI WATER QUALITY (UNDER MINARS PROGRAMME) 2021-2022

Classification of the water Quality as per the Designated Best Use													
Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Papanasam	A	*	A	A	A	A	A	A	A	A	A	A
2	Cheranmadevi	A	*	A	A	A	A	A	B	A	A	A	A
3	Kokirakulam	A	*	A	A	A	A	A	A	A	A	A	A
4	Murapanadu	A	*	A	A	A	C	A	A	C	A	A	A
5	Thiruvaidaimarudur	A	*	A	A	A	A	A	A	A	A	A	A
6	Ambasamudram	A	*	A	A	A	A	A	A	A	A	A	A
7	Author	B	*	B	B	B	B	B	B	B	B	B	B
8	Eral	B	*	A	A	B	B	B	B	B	B	B	B
9	Kallidai Kurichi	A	*	A	A	A	A	A	A	A	A	A	A
10	Srivaikuntam	B	*	B	B	B	B	B	B	B	B	B	B
11	Vellakovil	B	*	A	B	B	B	B	B	B	A	B	A
12	Seevalaperi	B	*	A	A	A	A	A	B	B	B	B	A

*Sample not collected due to COVID-19

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

ANNEXURE - XI

STATUS OF RIVER PALAR WATER QUALITY (UNDER MINARS PROGRAMME) 2021-2022

Classification of the water Quality as per the Designated Best Use													
Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Vaniyambadi Head works	*	*	*	A	B	C	B	B	B	B	B	B

* No yield from the infiltration well

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

ANNEXURE - XII

STATUS OF LAKES FOR THE YEAR APRIL 2021- MARCH 2022

Classification of the water Quality as per the Designated Best Use													
Sl. No	Name of the Lake	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Udhagamandalam	B	*	*	B	C	B	B	B	B	B	C	C
2	Kodaikanal	B	B	B	B	B	B	B	B	B	A	B	B
3	Yercaud	B	*	B	B	B	B	B	B	B	B	B	B
4	Veeranam	**	**	**	**	A	A	A	A	B	A	A	A
5	Poondi	A	A	A	A	A	A	A	A	A	A	B	B
6	Redhills	A	B	B	B	A	A	A	B	A	B	B	B
7	Porur	A	B	B	B	B	B	B	B	B	B	B	B
8	Pulicat	A	D	A	B	A	A	A	B	B	A	B	A

* No flow / Sample not collected due to COVID-19

**Dry condition of the Lake

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

ANNEXURE - XIII A

STATUS OF WATER QUALITY UNDER NATIONAL RIVER CONSERVATION PROJECT (NRCP) FOR THE YEAR APRIL 2021- MARCH 2022

Classification of the water Quality as per the Designated Best Use														
Sl. No.	Name of the Station	Station code	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
16	Buckingham Canal X Otteri Nullah Confluence (GMR Vasavi Industries)	10051	E	E	E	E	E	E	E	E	E	E	E	E
17	Usman Road	10055	E	*	*	E	E	E	E	E	E	E	E	E
18	Golf Course	10056	E	E	E	E	E	E	E	E	E	E	E	E
19	River Tamirabarani at Tirunelveli D/s	10062	B	B	B	B	B	B	B	B	B	B	B	B
20	River Cauvery at Bhavani D/s	10064	B	B	B	B	B	B	B	B	B	B	B	B
21	River Cauvery at Erode U/s	10065	B	B	*	B	B	B	B	B	B	B	B	B
22	River Cauvery at Kumarapalayam U/s	10067	B	B	*	B	B	A	B	A	B	A	B	B
23	River Cauvery at Pallipalayam D/s	10070	B	B	*	B	B	B	B	B	B	B	B	B
24	River Cauvery at Karur U/s	10073	B	*	*	B	B	B	B	B	B	B	B	B
25	River Cauvery at Mayiladuthurai D/s	10078	B	*	*	*	B	B	B	B	B	B	B	B

* No flow

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

ANNEXURE - XIII B

**STATUS OF SEWAGE TREATMENT PLANT - TREATED OUTLET WATER UNDER NATIONAL RIVER CONSERVATION PROJECT (NRCP) -
FOR THE YEAR APRIL 2021- MARCH 2022**

Sl. No.	Name of the Station	Station code	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Nesapakkam (Zone-IV)	20032	C	C	NC	NC	NC	NC	C	NC	C	NC	C	C
2	Perungudi (Zone-V)	20033	In operation only from April 2022 onwards											
3	Kodungaiyur (Zone-I)	20034	NC	NC	NC	NC	NC	NC	NC	C	C	C	C	C
4	Koyambedu (Zone-III)	20035	NC	NC	C	NC	NC	NC	NC	C	C	C	C	C
5	Erode - II	20038	NC	*	NC	C	NC	NC	NC	NC	NC	NC	C	NC
6	Karur	20041	NC	*	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
7	Mayiladuthurai	20042	NC	NC	*	NC	NC	NC	NC	NC	NC	NC	NC	NC
8	Trichy - Srirangam	20043	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
9	Thanjavur	20044	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
10	Kumbakonam	20047	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11	Madurai	20046	*	*	*	*	*	*	*	*	*	*	*	*
12	Tirunelveli	20045	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

* Sample not collected due to no flow at time of sampling / Samples not received from these stations.

C Met the criteria (Standards for STP's) w.r.t. pH, BOD, COD, TSS & FC

NC Not met the criteria (Standards for STP's) w.r.t either pH, BOD, COD, TSS, FC or multiple parameters

ANNEXURE - XIV A

ADYAR RIVER WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2021-2022

Sl. 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 River									
1	Alandur Abraham Bridge (Downstream)	7.02~7.49	923~2028	8~48	290~1034	80~295	2.0~17.36	6~29	40~144
2	Thiru Vi Ka Bridge (Downstream)	6.88~7.83	540~28800	14~216	304~20190	80~13296	2.0~11.76	8~108	72~280
Sample taken from Industrial Outfalls									
3	Nesapakkam STP (23 MLD Outlet)	7.25~9.95	776~8110	2~18	462~4706	117~1930	2~3.36	3~13	16~72
4	Nesapakkam STP (40 MLD Outlet)	7.53~9.88	1474~3700	2~26	754~2132	190~1010	2~15.68	3~12	24~72
5	Nesapakkam STP (54 MLD Outlet)	7.67~10.16	880~4910	2~12	520~2930	126~1140	2~14.56	3~10	32~72

ANNEXURE - XIV B

BUCKINGHAM CANAL WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2021-2022

Sl. 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 Canal									
1	Wallaja Road Bridge	6.69~7.53	1596~2790	62~232	954~1666	240~485	11.2~27.44	11~234	96~832
Sample taken from Industrial Outfalls									
2	Kodungaiyur STP (40 MLD Outlet)	6.94~7.80	841~2220	6~34	660~1256	140~400	2.0~22.4	6~23	24~120
3	Kodungaiyur STP (80 MLD Outlet)	6.91~7.90	1132~2410	8~38	654~1416	175~525	9.52~25.2	7~19	40~128
4	Kodungaiyur STP (110 MLD Outlet)	7.10~7.60	1122~2470	2~30	638~1362	177~405	2.0~20.16	7~17	32~96

ANNEXURE - XIV C

COOUM RIVER WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2021-2022

Sl. No.	Collecting Place	Values in Range							
		pH	Conductivity μ hos/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	Chitra Talkies Bridge (Downstream)	6.75~7.78	883~2580	14~486	514~1318	120~473	3~23.52	8~82	32~328
2	Napier Bridge (Downstream)	6.84~7.95	1402-18590	12~126	786~10052	220~5248	6.16~21.84	7~54	40~296
Sample taken from Industrial Outfalls									
3	Koyambedu STP (34 MLD Outlet)	7.21~8.47	1154~2088	2~10	640~1186	191~430	2~14.0	2~17	16~104
4	Koyambedu STP (60 MLD Outlet)	7.04~7.94	1490~2350	2~12	878~1340	250~390	2~18.48	4~12	24~96
5	Koyambedu STP (120 MLD Outlet)	6.90~8.40	887~2140	4~198	468~1192	112~350	2~25.2	3~180	16~520

ANNEXURE - XIV D

OTTERI NULLAH WATER QUALITY (UNDER CHENNAI CITY WATER WAYS PROGRAMME) 2021-2022

Sl. 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 Nullah									
1	Asprin Garden Bridge (Downstream)	6.87~7.70	788~2780	12~242	498~1472	114~450	6~28.56	10~120	72~456
2	Vyasarpadi Road Bridge (Downstream)	6.73~7.75	922~2280	10~672	550~1286	140~410	5.6~22.4	13~216	34~640

ANNEXURE - XV

ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2021 TO MARCH 2022

Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	Ennore Creek	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I	SW- I
2	Alamparaikuppam	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
3	Thalngadu	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
4	Kottakuppam	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
5	Tharangambadi Beach	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
6	Vellankanni	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
7	Kollidam	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I	SW-I
8	Muthupettai	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
9	Lagoon Nearby the Coast Line	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
10	Adiramapattinam	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
11	Kezhathottam	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
12	Mallipatanam	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
13	Kottaipattinam	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
14	Rameswaram	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
15	Erwadi	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
16	Thiruchendur	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
17	Punnakayal	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
18	Vembar	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
19	Uvari	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
20	Kanyakumari	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
21	Keezhamanakudy	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II

ANNEXURE - XV

ANNUAL REPORT FOR NWMP COASTAL LOCATIONS FOR THE PERIOD OF APRIL 2021 TO MARCH 2022

Sl. No	Name of the Station	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
22	Thangapattinam	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II	SW-II
23	Santhome Beach	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
24	Injambakkam	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
25	Mamallapuram	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
26	Kalpakkam	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
27	Cuddalore	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
28	Pichavaram	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
29	Koodankulam	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III	SW-III
30	Tiruvottiyur	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV
31	Chennai Port Trust	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV
32	Nagapattinam	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV
33	Tuticorin	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV
34	Colachel	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV	SW-IV

Water Quality Standards for Coastal Waters Marine Outfalls

Class	Designated best use	Paramters & 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)

ANNEXURE - XVI A

AVERAGE VALUES OF AMBIENT NOISE LEVELS IN CHENNAI CITY -DAY TIME FOR APRIL 2021- MARCH 2022

All values in Leq dB(A)					
	Eye Hospital Egmore (S)	Guindy (I)	Pallikaranai (C)	Perambur (C)	Sowcarpet (C)
Avg.	67	67	50	60	57
Max.	71	73	53	73	58
Min.	65	59	43	55	57
	T. Nagar (S)	Triplicane (R)	Velachery (C)	Washermanpet (C)	Annanagar (S)
Avg.	59	65	64	59	73
Max.	74	82	73	73	74
Min.	53	45	56	40	69
	S- Sensitive	R - Residential	I - Industrial	C - Commercial	

Ambient air quality standards for noise level

Category of Area/ Zone	Leq dB(A) Day time
Industrial Area	75
Commercial Area	65
Residential Area	55
Sensitive Zone	50

ANNEXURE-XVI B

AVERAGE VALUES OF AMBIENT NOISE LEVELS IN CHENNAI CITY - NIGHT TIME FOR APRIL 2021- MARCH 2022

All values in Leq dB(A)					
	Eye Hospital Egmore (S)	Guindy (I)	Pallikaranai (C)	Perambur (C)	Sowcarpet (C)
Avg.	62	64	49	54	57
Max.	63	70	52	72	57
Min.	58	54	47	51	56
	T. Nagar (S)	Triplicane (R)	Velachery (C)	Washermanpet (C)	Annanagar (S)
Avg.	56	65	61	58	62
Max.	67	82	73	73	63
Min.	53	49	50	38	59
	S- Sensitive	R - Residential	I - Industrial	C - Commercial	

Ambient air quality standards for noise level

Category of Area/ Zone	Leq dB(A) Night time
Industrial Area	70
Commercial Area	55
Residential Area	45
Sensitive Zone	40

PART-II
ANNUAL ACCOUNTS



AUDITOR'S REPORT
TO THE MEMBERS OF THE TAMILNADU POLLUTION CONTROL BOARD
FOR THE YEAR ENDED 31st MARCH 2022.

We have audited the attached Balance Sheet of Tamil Nadu Pollution Control Board as at March 31, 2022 and also the Receipts and Payments account and Income and Expenditure Account for the year ended on that date annexed thereto.

These financial statements are the responsibility of the entity's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the auditing standards generally accepted in India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

We report that:

1. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
2. In our opinion proper books of account as required by law have been kept by the Board in so far as it appears from our examination of those books.

3. The attached Balance Sheet, Receipts and Payments account and Income and Expenditure account which are set out as provided in Rule 36 of the Tamil Nadu Water (Prevention and Control of Pollution) Rules, 1983, and dealt with by this report, are in agreement with the books of account.
4. In our opinion and to the best of information and according to the explanations given to us, the accounts read with the schedules thereto and the notes thereon attached hereto are subject to the following:
- a. *Refer point No. II (d) of the notes to accounts with respect to Internal Audit and Internal Control. The Internal Audit wing is not commensurate with the size and nature of this organization. The Internal Audit wing has not furnished the report for the year under audit.*
 - b. *Refer point No. II (f) of the notes to accounts with respect to Land advance of Rs.4.67 crores requires adjustment.*
 - c. *Refer point No. II (g) of the notes to accounts with respect to Advance to suppliers for purchase of fixed assets and other expenditure for an amount of Rs.6.03 crores requires adjustment in the books of accounts.*
 - d. *Refer point No. II (h) of the notes to accounts with respect to non recoverability of cess amounting to Rs.696.65 crores due from Thermal Stations and local bodies Rs.154.34 crores.*
 - e. *Refer point No.III- Others (a) of the notes to accounts with respect to funds released to various pollution related projects: Completion / Utilization Certificate may have to be obtained from concerned authorities.*

- f. *The entity follows cash basis of accounting for Consent Fees. Consent Fees Received in Advance as on 31-03-2022 is Rs281.08 crores. This is treated as Liability.*

Give the information required by the **Tamil Nadu Water (Prevention and Control of Pollution) Rules,1983**, in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- (a) In the case of Balance Sheet, of the State of affairs of the Board as at March 31st 2022,
- (b) In the case of the Receipts and Payments account, of the total receipts and payments of the Board for the year ended 31st March 2022 and
- (c) In the case of the Income and Expenditure account, of the excess of Income over Expenditure for the year ended 31st March 2022.

Place: Chennai.
Date : 30-09-2022.

for and behalf of **N. Muthukumaraswaamy & Co.,**
Chartered Accountants (FR No. 012039S)

Sd/-

Na.Muthukumar, Partner [M.No. 209125]

UDIN – 22209125AZDEIU2725

TAMIL NADU POLLUTION CONTROL BOARD, CHENNAI-600 032.
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2022.

[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Previous Year	RECEIPTS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS	Previous Year	PAYMENTS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.	Rs.		Rs.	Rs.
	A. OPENING BALANCE				A. CAPITAL EXPENDITURE		
28,34,92,022	a. Bank	91,96,97,896		51,92,796	a. Assets - Land and Building	734,37,140	
22,140	b. Cash	1,820		6,85,33,950	b. Laboratory Equipment	61,36,568	
63,37,83,938	c. Bank (Court Deposit)	48,11,21,100	140,08,20,816	...	c. Vehicles	...	
				15,33,834	d. Furniture	14,51,967	
	B. GRANTS RECEIVED			19,01,183	e. Office Appliance	75,15,811	
...	a. From Government	...		...	f. Library Books	1,93,347	
...	b. From other Agencies	...		5,72,806	g. Electrical Installation	...	
...	c. Schemes	...	...	...	h. Computer	...	
				10,86,310	i. Software	11,80,118	8,99,14,951
	C. FEES				B. REVENUE EXPENDITURE		
...	a. Consultant Registration Fees	...			A. ADMINISTRATIVE		
...	b. Cost of Application	...		45,90,40,436	a. Salaries	50,06,53,342	
149,59,63,816	c. Consent Fees	171,71,82,840		4,33,64,567	b. Pension & Gratuity	5,35,18,332	
3,02,195	d. Cess Collection	2,42,218		4,14,851	c. Surrender Leave Salary	...	
...	e. Fees for handling H. Waste	...	171,74,25,058	5,84,250	d. Bonus	5,54,750	
				19,68,723	e. Medical Expenses	39,39,162	55,86,65,586
	D. FEES FROM LABORATORY				B. BOARD LABORATORY		
13,33,73,141	Lab Analysis Charges (Schedule -A)		19,33,58,184	17,03,264	a. Running Expenses of Lab.	10,36,964	
				48,75,291	b. Lab. Chemicals etc.	16,87,069	27,24,033
147,66,66,450	E. INTEREST ON INVESTMENT		140,53,05,136		C. RUNNING & MAINTAINCE OF VEHICLE		3,30,93,805
				3,05,50,090			
	F. MISCELLANEOUS						
1,77,18,031	a. Others (Schedule-B)	3,98,75,532					
...	b. Cess Re-imbusement	...	3,98,75,532				
404,13,21,732	C/O		475,67,84,725	62,13,22,351	C/O		68,43,98,375

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2022.

[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.	B/F	Rs.	Rs.
404,13,21,732			475,67,84,725
	G. DEPOSITS AND ADVANCES		
6,78,398	a. Earnest Money Deposit	7,09,146	
15,99,978	b. Security Deposit	33,13,959	
46,331	c. Advance to Staff (Schedule - C)	33,877	
966,90,31,736	d. Short Term Deposit	866,27,90,506	866,68,47,488
128,33,40,529	H. OTHERS (Schedule - D)		191,54,48,512
...	I. RENT		21,96,929
1,499,60,18,704	Total		1,534,12,77,655

Previous Year	PAYMENTS	TOTAL OF SUBHEAD	TOTAL OF MAJOR HEADS
Rs.	B/F	Rs.	Rs.
62,13,22,351			68,43,98,375
	D. MAINTENANCE AND REPAIRS		
1,29,15,226	a. Buildings	1,20,06,195	
52,150	b. Furniture & Fixture	202,169	
91,98,722	c. Scientific Instruments	24,40,897	
25,46,290	d. Office Appliance	16,22,676	
5,89,812	e. Electrical Installation	9,54,979	
...	f. Insurance of Assets	6,44,337	
18,66,470	g. Other Assets	21,03,111	1,99,74,364
5,64,51,688	E. LAW CHARGES		37,39,895
2,00,000	F. AUDIT FEES		2,36,000
45,99,41,350	G. MISCELLANEOUS (Schedule-E)		93,16,69,249
...	C. CESS REMITTANCE		...
56,46,283	D. ADVANCE (Schedule - F)		54,93,467
	E. DEPOSITS		
1,203,88,09,412	a. Short Term Deposits	1,181,33,66,514	
4,18,50,964	b. Others (Schedule - G)	10,74,08,640	1,192,07,75,154
...	F. TNPCB Employees Pension Fund Trust		79,94,00,000
34,38,07,170	G. TNPCB Employees EL Encashment Fund Trust		...
	H. CLOSING BALANCE		
48,11,21,100	a. Bank	3,35,77,053	
91,96,97,896	b. Bank Deposits (Court) (Schedule-H)	94,20,02,904	
1,820	c. Cash	1,194	
...	d. Funds in Transit	10,000	97,55,91,151
1,499,60,18,704	Total		1,534,12,77,655

Place : Chennai - 600 032.
Date : 30-09-2022.

FOR AND ON BEHALF OF THE BOARD

Subject to our report of even date & Schedules + Notes attached
for and on behalf of **N. Muthukumaraswamy & Co., (Firm Regn. No. 012039S)**
Chartered Accountants

Sd/-
V.Anbazhagan, M.A.[Eco.], B.L.,
Financial Adviser

Sd/-
R. Kannan, M.Tech.,

Sd/-
Dr. Jayanthi M., I.F.S.,
Chairperson

Sd/-
Na.Muthukumar, B.Com., F.C.A., DISA.,
Partner [M.No.209125]

TAMIL NADU POLLUTION CONTROL BOARD, CHENNAI-600 032.
ANNUAL STATEMENT OF ACCOUNT
INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH 2022.

[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Previous Year	EXPENDITURE	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.
36,08,84,446	A. Administrative		
11,90,20,636	a. Pay of Establishment	36,83,11,069	
3,08,47,655	b. Allowance & Honoraria (<i>Schedule-I</i>)	13,62,70,450	
4,14,851	c. Contribution to Pension, Gratuity, Commutation of Pension & UEL on P.A., etc.	84,35,83,695	
	d. Surrender Leave Salary	...	134,81,65,214
36,57,003	B. Running Expenses of Labs.		43,31,771
3,15,82,012	C. Running & Maintenance of Vehicle (<i>Schedule-J</i>)		3,39,70,159
	D. Maintenance and Repairs		
57,708	a. Furniture and Fixtures	202,284	
77,84,753	b. Lab. Equipments and Instruments	22,51,251	
46,30,565	c. Office Appliance and Others	37,08,004	
7,33,417	d. Electrical Installation	8,71,585	
1,31,19,386	e. Building	1,16,90,683	1,87,23,807
4,81,136	E. Fees to Consultants and Specialists		4,44,747
5,58,49,188	F. Law Charges		33,42,395
2,00,000	G. Fees for Audit		2,36,000
48,47,77,092	H. Miscellaneous (<i>Schedule-K</i>)		90,18,04,705
6,13,98,593	I. Depreciation		10,82,14,465
...	J. Prior Period Adjustment Account		17,38,03,022
216,22,02,032	K. Excess of Income over Exp. trf to B/S		97,16,05,087
333,76,40,473	Total		356,46,41,371

Previous Year	INCOME	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.
...	A. Grants received		
...	a. From Government	...	
...	b. From other Agencies	...	
...	Less: Amount utilised for Capital Expenditure	...	
...	Net Grant available for Revenue Expenditure	...	...
227,84,97,630	B. Fees (<i>Schedule-L</i>)		238,55,79,660
13,42,42,140	C. Fees from Laboratory (<i>Schedule-M</i>)		19,96,67,517
	D. Miscellaneous Receipts		
1,75,74,259	a. Others (<i>Schedule-N</i>)	99,59,600	
	b. Cess Reimbursement	...	99,59,600
89,01,29,424	E. Interest on Investment		96,72,37,665
1,71,97,020	F. Prior Period Adj.Account		...
...	G. Rent		21,96,929
333,76,40,473	Total		356,46,41,371

Place : Chennai-600 032.

Date : 30-09-2022.

FOR AND ON BEHALF OF THE BOARD

Subject to our report of even date & Schedules + Notes attached
for and on behalf of **N. Muthukumaraswamy & Co., (Firm Regn. No.012039S)**
Chartered Accountants

Sd/-
V.Anbazhagan, M.A.[Eco.], B.L.,

Sd/-
R. Kannan, M.Tech.,
Member Secretary

Sd/-
Dr. Jayanthi M., I.F.S.,
Chairperson

Sd/-
Na.Muthukumar, B.Com., F.C.A., DISA.,
Partner [M.No.209125]

TAMIL NADU POLLUTION CONTROL BOARD, CHENNAI-600 032.

ANNUAL STATEMENT OF ACCOUNT

BALANCE SHEET AS ON 31st MARCH 2022.

[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Previous Year	LIABILITIES	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS	Previous Year	ASSETS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs.		Rs.	Rs.	Rs.		Rs.	Rs.
	A. CAPITAL FUND				A. FIXED ASSETS		
	a. Grants			3,31,00,255	a. Land Development	3,31,00,255	
5,45,26,922	i. Grants received from Govt. for Capital upto the year 2004-05.	5,45,26,922		18,94,70,630	b. Buildings under Construction	22,85,66,060	26,16,66,315
...	ii. Grants received from Govt. for Capital Expenditure during the current year and utilised	...					
...	iii. Grants received towards Specific Schemes from other Agencies	...		33,52,88,689	B. OTHER ASSETS		38,21,81,335
...	iv. Less: Amount transferred to Depreciation Fund	...	5,45,26,922	17,56,143	a. As per Form XV		
				1,80,132	b. Stock in hand		
				10,26,412	i. Lab Chemicals	17,35,685	
				44,19,255	ii. Misc. Stores	1,54,620	
					iii. Glassware	9,99,272	
					iv. Filter Paper	29,13,493	58,03,071
	b. Excess of Income over Expenditure				C. SUNDRY DEBTORS		
1,145,83,75,054	i. As at 01.04.2021	1355,91,78,492		699,43,58,649	a. Cess Receivable		
216,22,02,032	ii. Add: Surplus during the year	97,16,05,087		154,33,81,333	i. From Industries	699,41,16,431	
		1,453,07,83,579			ii. From Local Bodies	154,33,81,333	
-613,98,593	iii. Less: Amount transferred to Depreciation Fund	10,82,14,465	1,442,25,69,114		Less: Cess unrecoverable	853,74,97,764	853,74,97,764
					...		
	B. EARMARKED FUND				b. Receivable-Project Study and Others		21,24,79,770
83,77,22,901	a. Pension Fund (Schedule-O)	82,83,22,901		21,35,67,341	c. Ways and Means Advance Receivable		24,07,52,716
12,86,30,005	b. E.L. Encashment Fund (Schedule-O)	12,86,30,005		24,07,52,716	d. Tax Refundable / Receivable		26,40,77,475
124,28,23,158	c. Depreciation Fund (Schedule-O)	142,56,07,013	238,59,23,169	26,40,84,633			
33,63,250	d. CETP Development Fund	33,63,250			D. ADVANCES AND DEPOSITS		
					a. Misc. amounts recoverable (Schedule - S)	57,77,01,109	
	C. OTHER DEPOSITS			128,88,80,771	b. Advance to Staffs (Schedule - T)	27,28,596	
104,46,43,818	a. Deposits for Supply and Works (Schedule -P)	107,79,95,482		35,98,824	c. Deposits (Schedule - U)	26,82,103	58,31,11,808
37,29,000	b. Eco Development Measure Deposit	37,29,000	108,17,24,482	28,55,308			
	D. AMOUNT DUE						
855,06,75,489	a. Cess Payable	855,06,75,489					
...	Less: Cess unrecoverable	...	855,06,75,489				
5,67,39,203	b. Other Liability (Schedule -Q)		5,41,32,520				
2,548,20,32,239	C / O		2,654,95,51,696	1,111,67,21,091	C / O		1,048,75,70,253

ANNUAL STATEMENT OF ACCOUNT
BALANCE SHEET AS ON 31st MARCH 2022.

[See Rule 36 of Tamil Nadu Water (Prevention and control of Pollution) Rules 1983.]

Previous Year	LIABILITIES	TOTAL OF SUBHEAD	TOTAL OF MAJOR HEADS	Previous Year	ASSETS	TOTAL OF SUBHEAD	TOTAL OF MAJOR HEADS
Rs.	B / F	Rs.	Rs.	Rs.	B / F	Rs.	Rs.
2,548,20,32,239			2,654,95,51,696	1,111,67,21,091			1,048,75,70,253
2,64,957	E. ENVIRONMENTAL IMPACT STUDY		2,64,957		E. INVESTMENTS		
172,88,45,490	F. INCOME RECEIVED IN ADVANCE (Schedule - R)		282,67,06,391	83,77,22,901	1. Pension Fund Investment	82,83,22,901	
2,14,98,500	G. SUBSIDIES FOR COMMON EFFLUENT TREATMENT PLANTS		2,14,98,500	124,28,23,158	2. Depreciation Fund Investment	142,56,07,013	
				12,86,30,005	3. EL Encashment Fund Investment	12,86,30,005	
				33,63,250	4. CETP Development Fund Investment	33,63,250	
				1,251,80,89,884	5. Other Term Deposits	1,556,44,66,891	1,795,03,90,060
11,89,893	H. ENVIRONMENTAL EDUCATION FUND RESERVE		11,89,893		F. CASH & BANK BALANCE		
4,89,400	I. EMERGENCY RESPONSE CENTRE		4,89,400	48,11,21,100	a. Balance with Banks	3,35,77,053	
19,65,077	J. SCHEMES		19,65,077	53,85,03,086	b. Bank (Court Deposit)	55,42,89,718	
1,18,85,550	K. SPONSORSHIP FOR SCHEMES		1,18,85,550	29,94,25,009	c. Bank (Env. Compensation)	38,55,92,001	
				5,11,36,164	d. Bank (Abatement of Pollution)	12,12,263	
				3,06,33,637	e. Bank (NCAP)	9,08,922	
				1,820	f. Cash on hand	1,194	
				...	g. Funds in Transit	10,000	97,55,91,151
2,724,81,71,105	Total		2,941,35,51,464	2,724,81,71,105	Total		2,941,35,51,464

Place : Chennai - 600 032.

Date : 30-09-2022.

FOR AND ON BEHALF OF THE BOARD

Subject to our report of even date & Schedules + Notes attached
for and on behalf of **N. Muthukumaraswaamy & Co., (Firm Regn. No.012039S)**
Chartered Accountants

Sd/-
V.Anbazhagan, M.A.[Eco.], B.L.,
Financial Adviser

Sd/-
R. Kannan, M.Tech.,
Member Secretary

Sd/-
Dr. Jayanthi M., I.F.S.,
Chairperson

Sd/-
Na.Muthukumar, B.Com., F.C.A., DISA.,
Partner [M.No.209125]

FORM - XV
ANNUAL STATEMENT OF ACCOUNTS
DEPRECIATION ON FIXED ASSETS AS ON 31st MARCH 2022.

[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 01-04-2021	Additions and Adjustment during the year	Total	Depreciation*	Closing Balance on 31-03-2022	Cumulative Depreciation on 31-03-2022
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Buildings	10.00%	16,71,07,215	3,43,41,710	20,14,48,925	2,70,13,039	17,44,35,886	24,95,68,283
2	Computers	60.00%	28,65,678	69,023	29,34,701	17,39,376	11,95,325	7,07,68,399
3	Electrical Installations	15.00%	28,33,454	...	28,33,454	4,25,018	24,08,436	3,13,39,153
4	Furniture and Fixture	10.00%	1,33,09,040	18,57,598	1,51,66,638	20,94,766	1,30,71,871	3,12,45,803
5	Lab Equipment	20.00%	9,31,74,553	28,72,78,037	38,04,52,590	24,66,96,407	13,37,56,183	52,17,68,360
6	Library Books	10.00%	11,96,578	1,93,347	13,89,925	1,29,828	12,60,096	69,44,185
7	Office Appliances	10.00%	4,57,53,637	77,47,599	5,35,01,236	49,35,739	4,85,65,497	3,81,07,788
8	Vehicles	15.00%	75,49,100	...	75,49,100	11,32,365	64,16,735	6,58,73,148
9	Software Development	60.00%	14,99,435	16,75,718	31,75,153	21,03,848	10,71,305	1,05,30,627
	Total		33,52,88,689	33,31,63,032	66,84,51,721	28,62,70,386	38,21,81,335	102,61,45,748

*Note: This includes prior period depreciation of Buildings, Lab Equipments and Software Development.

Place : Chennai-600 032.

Date : 30-09-2022.

Subject to our report of even date & Schedules + Notes attached
for and on behalf of **N. Muthukumaraswaamy & Co., (Firm Regn. No.012039S)**
Chartered Accountants

FOR AND ON BEHALF OF THE BOARD

Sd/-
V.Anbazhagan, M.A.[Eco.], B.L.,
Financial Adviser

Sd/-
R. Kannan, M.Tech.,
Member Secretary

Sd/-
Dr. Jayanthi M., I.F.S.,
Chairperson

Sd/-
Na.Muthukumar, B.Com., F.C.A., DISA.,
Partner [M.No.209125]

**SCHEDULE FOR FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2022.**

RECEIPTS

SCHEDULE - A

FEEs FROM LABORATORY

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Air Ambient Quality Survey	7,08,09,490	12,33,64,009
2	Analysis Charges	4,88,68,238	6,99,94,174
3	Bio Medical Management	2,21,100	...
4	GEMS / MINARS / NAMP	1,34,74,313	...
	TOTAL	13,33,73,141	19,33,58,184

SCHEDULE - B

MISCELLANEOUS RECEIPTS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Appellate Authority Fees	47,500	54,965
2	Amount -Receivable -Others	1,77,045	11,16,235
3	Interest on Loans and Advance	15,704	3,29,150
4	Miscellaneous Income	29,77,348	44,31,072
5	Prior Period Adjustments	11,07,745	66,27,584
6	Profit / Loss on Sale of Assets	...	9,99,994
7	Public Hearing	1,24,91,081	2,41,23,176
8	Receipts-NCAP	...	9,07,882
9	Recovery of Pension	7,81,784	11,52,688
10	Right to Information Fees	41,274	47,228
11	Sale of legal Books	78,550	78,400
12	Tax Refundable / Receivable Account	...	7,158
	TOTAL	1,77,18,031	3,98,75,532

SCHEDULE - C

ADVANCE TO STAFF (Receipts)

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Personal Computer Advance	9,800	816
2	Tour Advance	36,531	...
3	Motor Vehicle Advance	...	33,061
	TOTAL	46,331	33,877

SCHEDULE - D

OTHERS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	AAQS Fees Advance	1,61,400	3,28,738
2	Abatement of Pollution	1,92,40,961	2,85,09,883
3	Analysis Fees Advance	10,35,360	7,52,250
4	Cess received in Advance	1,31,484	67,623
5	Consent Fees received in Advance	98,45,52,804	176,50,91,898
6	Deposit Court - Others	1,63,80,499	1,57,87,222
7	Environmental Compensation - Cumulative	22,72,40,437	9,25,87,822
8	Flag Day Collection	10,000	...
9	NCAP-Receipts	3,06,32,622	...
10	NWMP / NAAQM	...	63,09,333
11	Rent Advance	57,064	80,000
12	SEIAA/SEAC	38,97,898	59,33,743
	TOTAL	128,33,40,529	191,54,48,512

PAYMENTS

SCHEDULE - E MISCELLANEOUS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	AAQS Expenses	84,14,172	1,76,88,755
2	Advertisement and Publicity	22,00,103	2,20,903
3	Amount Receivable - Others	64,72,344	...
4	Appellate Authority Expenses	11,56,342	11,35,302
5	Bank Interest and Commission	51,638	39,255
6	Board Meeting Expenses	20,62,206	13,43,852
7	Consultant Fees	4,82,636	4,45,747
8	Contract Charges / Wages	7,06,76,237	6,36,30,428
9	Contribution to CM Fund (COVID)	20,00,00,000	20,00,00,000
10	Conveyance	1,81,480	1,36,447
11	DEE Legal Samples	11,19,650	35,400
12	Eco Restoration of Lakes	9,08,00,188	...
13	Electricity / Water Charges	1,13,34,903	1,13,67,687
14	Entertainment	49,939	26,862
15	Environment Pavilion Expenses	11,90,428	...
16	Environment Training Institute Expenses	...	39,284
17	Environmental Study Expenses	43,88,414	8,68,483
18	Green Tamil Nadu Mission	...	15,00,00,000
19	Honorium / Sitting Fees	4,000	...
20	Insurance of Assets	5,99,963	...
21	Land Maintenance Expenses	97,167	1,13,451
22	Miscellaneous Expenses	15,57,106	4,40,735
23	Newspaper and Periodicals	3,09,391	3,34,996
24	OCMMS Expenses	7,05,411	12,53,762
25	Office Expenses	21,61,700	12,93,701
26	Other Legal Expenses	5,000	63,598
27	Outstanding Expenses	12,96,081	7,53,336
28	Payment -NCAP	...	3,06,32,597
29	Petty Cash Expenses	3,00,483	3,09,221
30	Plugging of Sewage - CMWSSB	...	40,00,00,000
31	Pollution Awareness Expenses	1,62,41,832	28,51,234
32	Postage Expenses	20,49,805	20,83,275
33	Printing and Stationery	51,09,759	53,06,476
34	Project Management Unit at Secretariat	...	6,48,430
35	Property Tax	7,31,692	9,98,552
36	Public Hearing	...	2,19,77,983
37	Recruitment Expenses	1,25,58,861	5,31,822
38	Rent	52,56,138	51,20,390
39	Staff Welfare Expenses	35,59,102	38,38,392
40	TDS-GST	1,48,074	11,15,246
41	Telephone and Telex	31,32,625	26,76,522
42	Trade Fair	6,18,542	...
43	Training and Seminar	8,89,895	13,18,550
44	Travelling Expenses	20,28,043	10,28,575
	TOTAL	45,99,41,350	93,16,69,249

**SCHEDULE FOR FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2022.**

**SCHEDULE - F
ADVANCE TO STAFF (PAYMENT)**

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Festival Advance	20,92,200	20,25,000
2	Handloom Advance	2,48,600	2,73,500
3	Temporary Advance	33,05,483	31,94,967
	TOTAL	56,46,283	54,93,467

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

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Abatement Receipts	23,41,912	4,83,41,164
2	Advance to Suppliers	3,18,29,540	2,97,20,443
3	Earnest Money Deposit	10,09,832	65,77,010
4	Electricity Deposit	...	54,736
5	Environment Compensation Fund	56,64,138	59,89,559
6	Land Advance	2,15,440	7,50,000
7	Security Deposit	7,90,102	1,59,75,728
	TOTAL	4,18,50,964	10,74,08,640

**SCHEDULE - H
BANK DEPOSITS (COURT)**

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Abatement of Pollution	5,11,36,164	12,12,263
2	Environment Compensation Fund	29,94,25,009	55,42,89,718
3	Bank (Court Deposit- NGT)	53,85,03,086	38,55,92,001
4	NCAP Account	3,06,33,637	9,08,922
	TOTAL	91,96,97,896	94,20,02,904

**SCHEDULE FOR FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2022.**

EXPENDITURE

**SCHEDULE - I
ALLOWANCES AND HONORARIA**

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Allowances	10,40,33,252	12,01,81,556
2	Bonus	5,87,250	5,54,750
3	Contributory Pension Scheme / FBF	1,15,56,948	1,21,52,031
4	Health Insurance	1,03,977	4,91,376
5	Leave Travel Concession Expenses	...	...
6	Medical Reimbursement	8,18,246	17,88,346
7	Special Provident Fund-Board's Contribution	1,60,000	1,00,000
8	Travelling Expenses	17,60,963	10,01,611
9	Turn Duty and Overtime Allowances		780
	TOTAL	11,90,20,636	13,62,70,450

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

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Fuel	64,95,614	70,11,939
2	Hire Charges	2,23,68,331	2,36,14,837
3	Insurance	8,90,361	18,88,930
4	Repairs	18,27,706	14,54,453
	TOTAL	3,15,82,012	3,39,70,159

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2022.**

EXPENDITURE

**SCHEDULE - K
MISCELLANEOUS**

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Air Ambient Quality Survey Expenses	85,65,434	1,66,53,985
2	Advertisement and Publicity	11,17,913	2,20,903
3	Appellate Authority Expenses	41,80,190	35,89,287
4	Bank Charges	51,615	39,256
5	Board Meeting / Other Meeting Expenses	19,09,291	14,53,048
6	Contract Charges / Wages	7,04,06,819	6,35,60,482
7	Conveyance Expenses	2,10,231	1,70,270
8	DEE Legal Sample	11,19,650	35,400
9	Electricity and Water Charges	1,19,68,250	1,22,27,727
10	Entertainment Expenses	61,140	28,879
11	Environment Training Institute Expenses	...	39,284
12	Environment Study Expenses	51,55,414	14,92,232
13	Environmental Pavilion Expenses	11,90,428	...
14	Honorarium / Sitting Fees	8,500	10,000
15	Insurance of Assets	5,99,963	6,44,337
16	Land Maintenance Expenses	97,167	1,13,451
17	Newspaper and Periodicals	3,32,946	3,57,204
18	OCMMS Expenses	34,26,864	26,91,002
19	Office Expenses	34,37,511	16,42,417
20	Other Expenses of Audit	...	10,110
21	Other Legal Expenses	71,896	31,958
22	Pollution Awareness Expenses	2,90,28,415	40,31,605
23	Green Tamil Nadu Mission	...	15,00,00,000
24	Eco-Restoration of Lake Expenses	9,08,00,188	...
25	Plugging of Seweage - CMWSSB	...	40,00,00,000
26	Postage Expenses	21,61,802	21,35,365
27	Printing and Stationery	55,52,672	54,43,656
28	Project Management Unit at Secretariat	...	10,95,000
29	Property Tax and Rates	7,31,692	9,98,552
30	Rent on Buildings	56,24,003	54,53,371
31	Staff Welfare Expenses	36,41,800	40,83,358
32	Sundries	12,68,852	37,15,995
33	Telephone Expenses	1,70,57,373	1,90,44,334
34	Trade Fair Expenses	1,62,182	2,20,000
35	Training and Seminar Expenses	18,55,895	3,52,550
36	Recruitment expenses	1,29,80,996	2,19,687
37	Contribution to Chief Minister's Fund	20,00,00,000	20,00,00,000
	TOTAL	48,47,77,092	90,18,04,705

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2022.**

INCOME

SCHEDULE - L

FEEES

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Consent Fees	227,84,97,630	238,55,79,660
	TOTAL	227,84,97,630	238,55,79,660

SCHEDULE - M

FEEES FROM LABORATORY

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Air Ambient Quality Survey	7,08,95,190	12,33,45,829
2	Analysis Charges	4,98,47,137	7,00,12,354
3	NAAQM / NAMP / GEMS	1,34,74,313	63,09,333
4	Noise Level Measurement	25,500	...
	TOTAL	13,42,42,140	19,96,67,517

SCHEDULE - N

MISCELLANEOUS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Bio-Medical Waste Authorisation Fees	2,21,100	...
2	Fees for Right to Information	41,274	47,228
3	Interest on Loans and Advance	8,31,152	12,21,442
4	Miscellaneous Income	31,62,708	44,29,725
5	Public Hearing	1,24,10,191	19,80,117
6	Sale of Books	78,550	78,400
7	Appellate Authority Fees	47,500	54,965
8	Profit on Sale of Assets	...	995,035
9	Recovery of Pension	7,81,784	11,52,688
	TOTAL	1,75,74,259	99,59,600

**SCHEDULE FOR FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2022.**

LIABILITIES

SCHEDULE - O

EARMARKED FUND

PENSION FUND ACCOUNT

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Opening balance as on 01-04-2021	83,77,22,901	83,77,22,901
	LESS: Transferred to TNPCB Employees Pension Fund Trust	...	79,94,00,000
	Total	...	3,83,22,901
	ADD : Contribution to the Fund	...	79,00,00,000
	Closing balance as on 31-03-2022	83,77,22,901	82,83,22,901

EARNED LEAVE ENCASHMENT FUND

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
2	Opening balance as on 01-04-2021	47,15,30,005	12,86,30,005
	LESS: Transferred to TNPCB Employees EL Encashment Fund Trust	34,29,00,000	...
	Total	12,86,30,005	12,86,30,005
	ADD: Contribution to the Fund	...	...
	Closing balance as on 31-03-2022	12,86,30,005	12,86,30,005

DEPRECIATION FUND ACCOUNT

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
3	Opening balance as on 01-04-2021	111,45,51,476	124,28,23,158
	ADD: Interest @ 6%	6,68,73,089	7,45,69,390
	Total	118,14,24,565	131,73,92,548
	ADD: Depreciation	6,13,98,593	10,82,14,465
	Closing balance as on 31-03-2022	124,28,23,158	142,56,07,013

**SCHEDULE FOR FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2022.**

LIABILITIES

SCHEDULE - P

OTHER DEPOSITS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Deposit-Court	101,49,92,649	106,68,47,453
2	Earnest Money Deposit	75,06,306	16,38,442
3	Miscellaneous Deposits	7,79,143	7,79,143
4	Retention Money Deposits	1,57,202	1,70,707
5	Security Deposits	2,11,98,518	85,49,737
6	Flag Day Collection	10,000	10,000
	TOTAL	104,46,43,818	107,79,95,482

SCHEDULE - Q

OTHER LIABILITIES

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Outstanding Liability	4,35,88,133	4,01,36,361
2	Pay Roll Liabilities	89,56,266	90,94,761
3	Staff Claim Payable	1,95,898	1,95,398
4	Tax Deducted at Source (Staffs)	31,40,137	43,70,338
5	Tax Deducted at Source (Others)	6,095	31,493
6	GST (TDS)	6,35,186	81,722
7	GST - Sales	5,446	10,405
8	Sundry Creditors (Others)	2,12,042	2,12,042
	TOTAL	5,67,39,203	5,41,32,520

SCHEDULE - R

INCOME RECEIVED IN ADVANCE

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Anylysis charges	8,67,118	16,19,368
2	Cess Fees	1,36,55,467	1,37,23,090
3	Consent Fees	171,41,73,105	281,08,68,183
4	AAQS Advance	1,49,800	4,95,750
	TOTAL	172,88,45,490	282,67,06,391

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2022.**

ASSETS

SCHEDULE - S

MISCELLANEOUS ADVANCES

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Advance to Suppliers	33,92,03,101	6,03,56,374
2	Interest Receivable	89,99,10,549	46,72,27,614
3	Land Advance	4,67,78,671	4,67,78,671
4	NGT - Receivable	13,54,177	10,54,177
5	Rent Advance	16,34,273	22,84,273
	TOTAL	128,88,80,771	57,77,01,109

SCHEDULE - T

ADVANCES TO STAFF

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Festival Advance	12,02,685	11,68,935
2	Handloom Advance	1,49,160	1,91,450
3	Motor Vehicle Advance	7,64,531	3,69,085
4	Personal Computer Advance	3,44,192	2,50,596
5	Temporary Advance	1,14,176	85,890
6	House Building Advance	10,24,080	6,62,640
	TOTAL	35,98,824	27,28,596

SCHEDULE - U

DEPOSITS

Sl. No.	DESCRIPTION	2020-2021 Rs.	2021-2022 Rs.
1	Customs Deposit	2,95,552	2,95,552
2	Electricity Deposit	14,88,224	13,15,019
3	Gas Deposit (Miscellaneous deposit)	43,129	43,129
4	Telephone Deposit	10,28,403	10,28,403
	TOTAL	28,55,308	26,82,103

**NOTES FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDED 31st MARCH 2022.**

I. Significant Accounting Policies and Convention :

(i) The financial statements have been prepared on the assumption of going concern concept.
Amounts are rounded off to the nearest rupees in the Annual Statement of Accounts.

(ii) **Revenue Recognition:** Revenues are recognized in the following manner:

(a). Consent Fees :

Consent Fees received relating to the period upto which financial statements are drawn is accounted on cash basis including arrears for the previous period and the amount received for the period beyond the date of Balance Sheet is accounted as "Consent Fees received in Advance" and is carried as liability.

(b). Sampling and Analytical Charges, Service Charges, Cess reimbursement, Other Fees and other Income :

On Cash basis.

(c). Interest on Investments :

On accrual basis.

(d). Revenue on Earmarked Funds :

Revenue accrued on earmarked funds is recognized on accrual basis and transferred to the respective fund accounts.

(iii) Investments :

Investments are stated at the carrying cost, in the form of Fixed Deposits with Banks and Financial Institutions.

(iv) Fixed Assets :

Fixed Assets are stated at written down value.

(v) Expenses :

On accrual basis.

(vi) Depreciation :

Depreciation is calculated on written down value by applying the following rates:

SI.No.	Particulars of Assets	Rate of Depreciation
1	Buildings	10.00%
2	Computers	60.00%
3	Electrical Installations	15.00%
4	Furniture and Fixture	10.00%
5	Lab Equipment	20.00%
6	Library Books	10.00%
7	Office Appliances	10.00%
8	Vehicles	15.00%
9	Software Development	60.00%

Current Year's Depreciation = Rs.10,82,14,465 and Prior Period Depreciation = Rs.17,80,55,921 – This includes Lab Equipment, Software Development and Capitalization of Building.

(vii) Stock on Hand :

Stock of Lab Chemicals, Glassware, Misc. Stores and Filter Papers is valued at cost.
Cost is arrived under First in First out method.

(viii) Retirement Benefits :

- (a) 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 fund is charged to revenue account of the Board.
- (b) 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.

The Board in its B.P.Ms.No.40, dated 13-12-2018 Read: Board Resolution No: 275-3-10, dated 12-12-2018 Resolved for Creation of TNPCB Employees Pension Fund Trust and Earned Leave Encashment 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. Further, it was Resolved to utilize the services of SBI Life Insurance Co. Ltd for managing the Funds.

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.397.00 crore was transferred to TNPCB Employees Pension Fund Trust during 2019-2020. However, no provision is made during the Financial Year 2020-2021 based on the Actuarial Valuation.

The Board in its B.P.Ms.No:48, dated 09-12-2021 Read: Board Resolution No:285-4-10, dated 30-11-2021 Resolved for to approve the top-up of Rs.245.90 crore towards TNPCB Employees Pension Fund covering the pension implications of existing employees and to release the fund to the TNPCB Employees Pension Trust Account. 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.79.94 crore was transferred to TNPCB Employees Pension Fund Trust during 2021-2022.

A provision of Rs.79.00 crore is made during the current financial year 2021-2022 against the Actuarial valuation of Rs.140.00 crore furnished by the SBI Life Insurance Co. Ltd.

- (c) 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 a sum of Rs.34.29 crore is transferred to the TNPCB Employees E.L. Encashment Fund Trust. No provision is made during the current financial year 2021-2022.

- (d) UEL on Private Affairs :** This is charged to revenue account of the Board.

(ix) 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 crore 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. Further, it was Resolved to utilize the services of SBI Life Insurance Co. Ltd for managing the Funds.

II. Notes on Accounts :

(a) **Consent Fees:** The Board is collecting consent fees. However, necessary information/data is not available to determine whether all industries to which the provisions of the Act apply have paid consent fees. In the absence of such information, income from this head has been recognized on the basis of available records. As such, arrears as on date of Balance Sheet have not been quantified.

(b) **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.

(c) **Interest accrued** on deposits has been adopted as worked out by Board.

(d) Internal Audit and Internal Control System in place :

The Internal Audit for the period under audit is not adequate and 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 should be conducted regularly and the Internal Audit Report should be furnished each year. Further, the post of Senior Manager (F&A) being a qualified Chartered Accountant is vacant for more than five years, may have to be filled up.

(e) Fixed Assets :

The fixed assets have been physically verified by independent Officers of the Board.

(f) Land Advances :

This represents amount paid towards the land cost to SIPCOT and others amounting to Rs.4,67,78,671/-

(g) Advance to Suppliers :

Rs.6,03,56,374/- has been paid as Advance to Suppliers for purchase of assets / other expenditure and is pending for adjustment

(h) Water Cess :

Cess receivable includes disputed amount from the following Thermal Stations / Local Bodies.

(Rupees in Crores)			
(i)	Ennore Thermal Power Station.	108.80	
(ii)	North Chennai Thermal Power Station	241.72	
(iii)	North Chennai Thermal Power Station	0.01	
(iv)	Tuticorin Thermal Power Station - II	346.11	696.64
(v)	Local Bodies		154.34

(i) Position under Income Tax Act, 1961:

1. 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.
2. The Board 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. The income tax payable with interest as per demand revised u/s154, tax paid thereon and appeal is furnished hereunder :

Assessment Year	Order Date	Original IT demand	Revised IT after rectification u/s154	Amount remitted till date	Appeal filed on
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
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
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 26-03-2018	9,720 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 2018-2019	12,035 8,500	
TDS Adjustment by Canara Bank			2018-2019	69,44,324	
TDS Adjustment by Power Finance				5,49,265	
Tax refunded during 2021-22				(7,158)	
Total		184,75,39,214	135,47,36,622	26,40,77,475	

3. 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 Assesse 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”**

(j) Project Study Receivable & Amount receivable (Others):

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.

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.

2021-2022: Rs.40,00,00,000/- has been paid to Chennai Metropolitan Water Supply and Sewage Board towards plugging of sewage in Adyar Buckingham Canal and Coovam River Basins in Chennai City as per G.O.(Ms) No.107 Municipal Administration and Water Supply Department, dated 20-08-2019. Rs.15,00,00,000/- has been paid for nursing and plantation cost to Mission Director, Green Tamil Nadu Mission.

(k) Building under Construction:

A total sum of Rs.22,85,66,060/- is shown as work in progress to be capitalized after receiving completion certificate from PWD.

(l) Contingent Liability:

A sum of Rs.7,63,25,790/- as quarterly interest is payable upto 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.

(m) 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 crores is due from NRAPA.

(n) Previous year figures are regrouped and reclassified wherever considered necessary.

III. Others:

(a) 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 in Perundurai Taluk (Rs.4.90 Crores), Erode District (Rs.2.75 Crores), Amma Eco Park, (Rs.4.00 Crores – Rs.50 Laks each for Thanjavur, Trichy, Tirunelveli, Tuticorin, Madurai, Salem, Erode, Tiruppur Corporations) CUBE-IIT (Rs.3 Crores).

During 2019-2020 : Odathurai Tank (Rs.3.20 Crores), Chittlapakkam Eri (Out of Rs.25.00 Crores, Utilization received for 6.25 Crores Utilization to be obtained for Balance Rs.18.75 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).

During 2020-2021 : Senguttai Eri (Rs.3.09 Crores) Erode Dist, Vannankuttai Eri (Rs.2.75 Crores), Erode Dist, Suriyakulam Tank (Rs.3.23 Crores), Arni through MS, Environment Management Agency.

(b) Contribution to **Chief Minister's Fund for COVID** : Rs.20 Crores has been contributed.

Sd/-
V.Anbazhagan, M.A.(Eco.), B.L.,
Financial Adviser

Sd/-
R. Kannan, M.Tech.,
Member Secretary

Sd/-
Dr. Jayanthi M., I.F.S.,
Chairperson

Place: Chennai.
Date : 30-09-2022.

for and behalf of **N. Muthukumaraswaamy & Co.,**
Chartered Accountants (FR No. 012039S)

Sd/-
Na.Muthukumar, Partner [M.No. 209125]