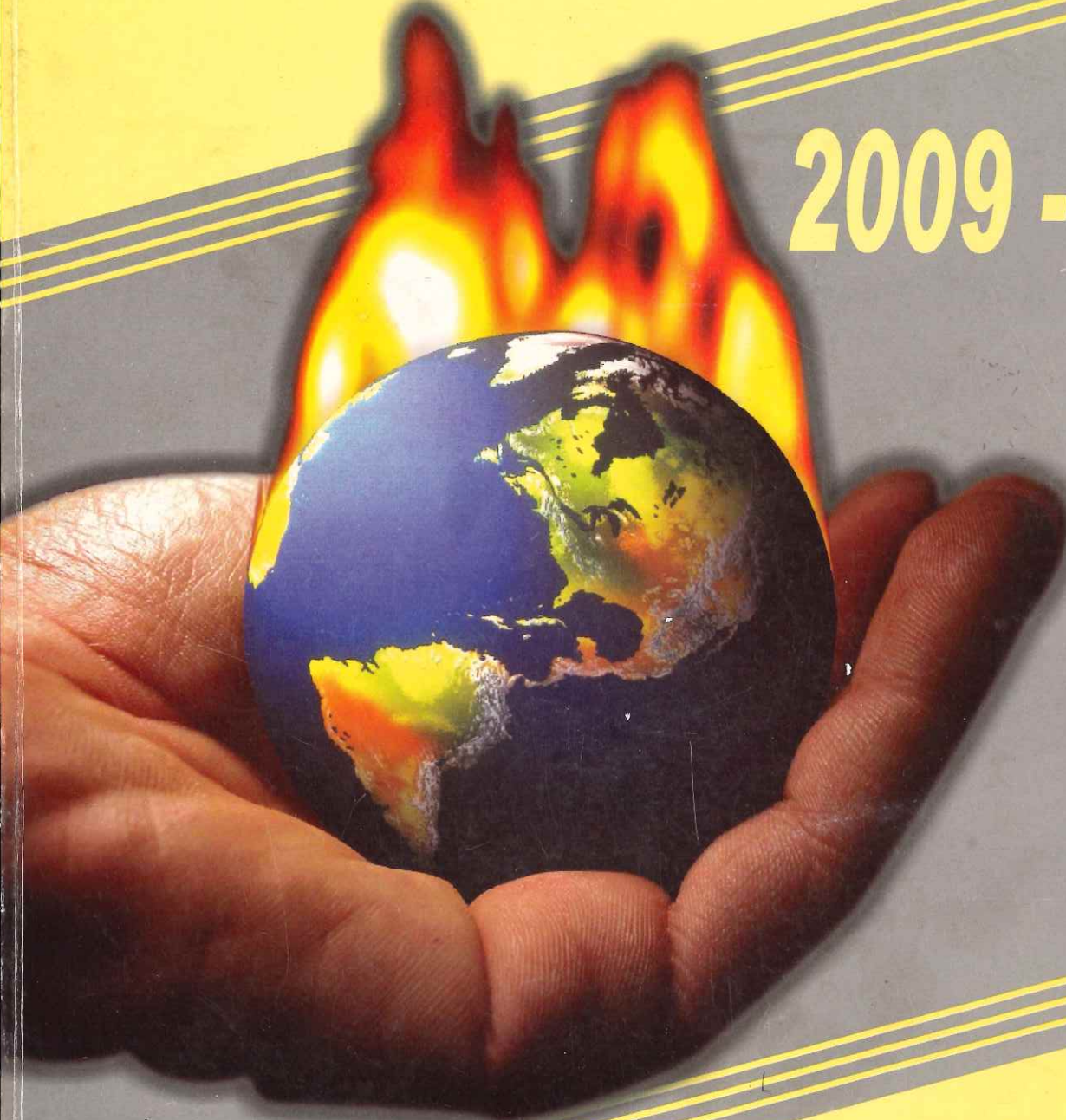


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2009 - 2010

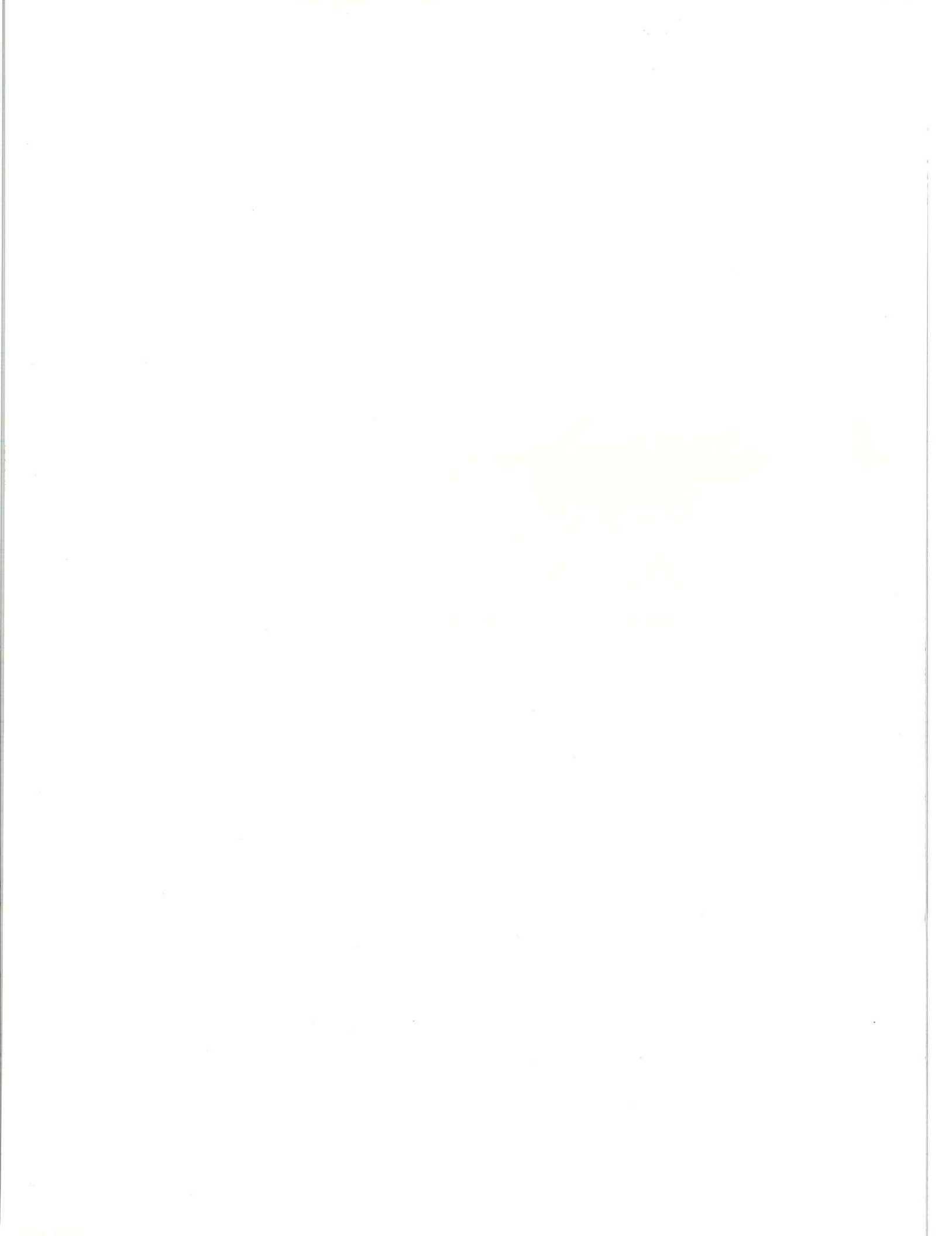


தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்
TAMIL NADU POLLUTION CONTROL BOARD

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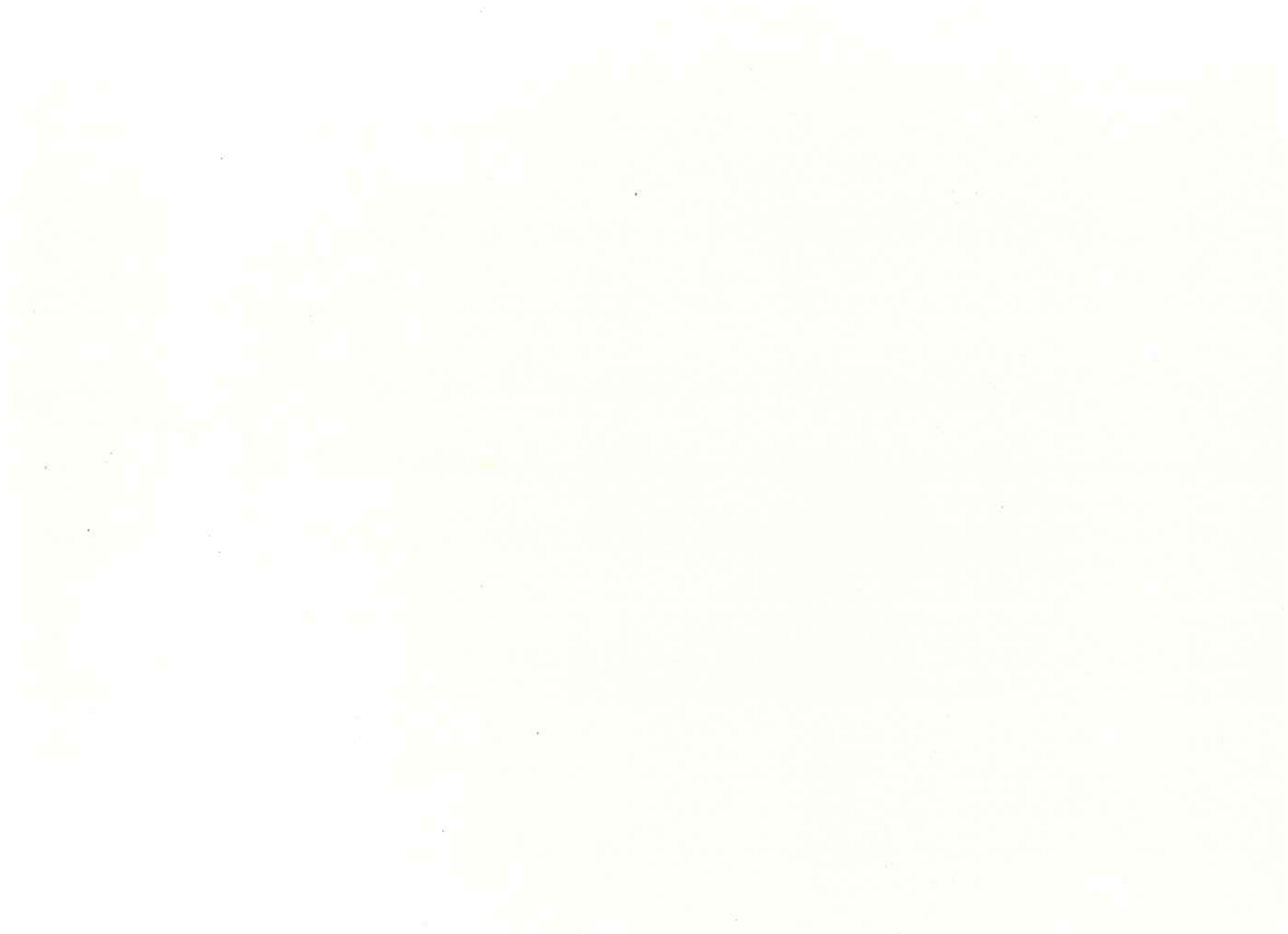


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TAMIL NADU POLLUTION CONTROL BOARD**



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Chapter 1

1.1 INTRODUCTION

The Tamilnadu Prevention and Control of Water Pollution Board (TNPCB) was constituted by the Government of Tamilnadu on twenty seventh day of February, Nineteen eighty two in pursuance of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974). The Board was later renamed as Tamilnadu Pollution Control Board (TNPCB) in the year 1983. It enforces the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Water (Prevention and Control of Pollution) Cess Act, 1977, the Air (Prevention and Control of Pollution) Act, 1981, and the rules made under the Environment (Protection) Act, 1986 which includes

- The Environment (Protection) Rules, 1986
- The Hazardous Wastes (Management, Handling and Transboundry Movement) Rules, 2008 as amended.
- The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended in 1994 and 2000
- The Biomedical Waste (Management and Handling) Rules, 1998 as amended in 2000 & 2003.
- The Plastics Manufacture, Sale and Usage Rules, 1999 as amended in 2003.
- The Noise Pollution (Regulation and Control) Rules, 2000
- The Municipal Solid Wastes (Management and Handling) Rules, 2000
- The Battery (Management and Handling) Rules, 2001 as amended.



1.2 FUNCTIONS

The main functions of the 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 water and air pollution.
- To advise the State Government on any matter concerning the prevention, control or abatement of water and air pollution.
- To encourage, conduct and participate in investigations and research relating to problems of water, land and air pollution and the prevention, control or abatement thereof.
- To collect and disseminate information relating to water and air pollution and the prevention, control or abatement thereof.
- To inspect sewage and trade effluent treatment plants for their effectiveness and review plans, specifications for corrective measures.
- To inspect industrial plants or manufacturing process, any control equipment and to give directions to take steps for the prevention, control or abatement of air pollution.
- To inspect air pollution control areas for the purpose of assessment of quality of air therein and to 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 emission of air pollutants into the atmosphere from industrial plants and automobiles or for the discharge of any air pollutant into the atmosphere from any other source.
- To evolve best economically viable treatment technology for sewage and trade effluents.
- To evolve efficient methods of disposal of sewage and trade effluents on land.

- To collect samples of sewage and trade effluents and emissions of air pollutants and to analyze the same for specific parameters.
- To collaborate with Central Pollution Control Board 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 organise mass education programme relating thereto.
- To perform such other functions as may be prescribed by the State Government or Central Pollution Control Board.

Chapter 2

2.1 CONSTITUTION OF TNPCB

The TNPCB is constituted by the State Government. It comprises a full time Chairman, 5 officials nominated by the State Government, 5 persons to represent local authorities, 3 non-officials to represent the interests of agriculture, fishery or industry or trade, 2 persons to represent the companies or corporations owned by the State Government and a full time Member Secretary. The constitution of the TNPCB is given in Annexure I.

2.2 ORGANISATIONAL SET UP

The TNPCB has established its organization structure with a two-tier system consisting of head-office at Chennai and district offices with total staff strength of 729. There are 28 district offices, 23 are headed by District Environmental Engineers and 5 offices under the control of Assistant Environmental Engineers. The locations of district offices are shown in Annexure II.

The TNPCB has delegated powers to the Chairman to grant consent to all “Green Site” applications received from new industries pertaining to red category industries. The Board has delegated powers to District Environmental Engineers and Assistant Environmental Engineers in the district offices to issue consent to establish, consent to operate and to renew consent to all new and existing orange and green category industries.

To assist the Board in monitoring the industries, 3 Advanced Environmental Laboratories, 11 District Environmental Laboratories are functioning. These laboratories carry out analysis on samples of sewage, trade effluents, emissions and hazardous wastes.

The organization chart of the Board, staff strength and year wise growth of the Board are furnished in Annexure - III, IV and V.

3.1 ENVIRONMENTAL LEGISLATIONS

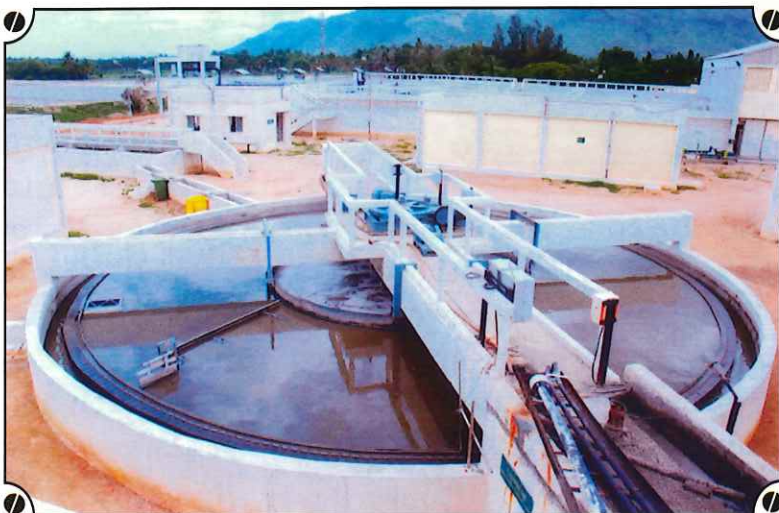
The various environmental legislations with which the TNPCB is concerned are given below. Some legislation is implemented directly by the Board and some by other departments of the Government.

- ❖ The Water (Prevention and Control of Pollution) Act, 1974 as amended in 1978 & 1988.
- ❖ The Tamilnadu Water (Prevention and Control of Pollution) Rules, 1983.
- ❖ The Water (Prevention and Control of Pollution) Cess Act, 1977, as amended in 1991 and 2003.
- ❖ The Water (Prevention and Control of Pollution) Cess Rules, 1978 as amended in 1992.
- ❖ The Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987.
- ❖ The Tamilnadu Air (Prevention and Control of Pollution) Rules, 1983.
- ❖ The Environment (Protection) Act, 1986.
- ❖ The Environment (Protection) Rules, 1986 and its subsequent amendments.
- ❖ The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 as amended.
- ❖ Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended in 1994 & 2000.
- ❖ The Manufacture, Use, Import, Export and Storage of Hazardous Micro organisms / genetically engineered organisms or cells Rules, 1989.
- ❖ The Public Liability Insurance Act, 1991 as amended in 1992.
- ❖ The Public Liability Insurance Rules, 1991.
- ❖ Coastal Regulation Zone Notification, 1991 as amended in 1994, 1997 & 2001.

- ❖ The Environment Impact Assessment Notification, 2006 as amended in 2009.
- ❖ The National Environment Tribunal Act, 1995.
- ❖ The Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996
- ❖ The National Environment Appellate Authority Act, 1997.
- ❖ The National Environment Appellate Authority (Appeal) Rules, 1997.
- ❖ The Bio Medical Waste (Management and Handling) Rules, 1998 as amended in 2000, 2003.
- ❖ Fly Ash Utilization Notification, 1999 as amended in 2003.
- ❖ The Plastics Manufacture, Sale and Usage Rules, 1999, as amended in 2003.
- ❖ The Municipal Solid Wastes (Management and Handling) Rules, 2000.
- ❖ Noise Pollution (Regulation and Control) Rules, 2000.
- ❖ Ozone Depleting Substances (Regulation and Control) Rules, 2000.
- ❖ The Batteries (Management and Handling) Rules, 2001.

3.2 MONITORING OF INDUSTRIES

With the increasing pace of industrialization in Tamilnadu, the need for continuous monitoring of pollution due to industrial sources has become significant. Industries are required to provide pollution control measures to meet the standards



prescribed by the Board. The 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 of pollution received from the public, organizations and the Government. For effective

monitoring, industries are categorized as ultra Red, Red, Orange, and Green according to their pollution potential. Also the industries have been classified as Large, Medium and Small scale based on the grossed fixed assets of the industry. Depending upon the category and size, industries are monitored periodically.

3.3 PROCEDURE FOR ISSUE OF CONSENT

Industry requires to obtain consent for discharge of sewage / trade effluent into any stream or well or into sewer or land under the Water (Prevention and Control of Pollution) Act, 1974 and to operate the plant in air pollution control area of entire Tamilnadu under the Air (Prevention and Control of Pollution) Act, 1981. The consent is issued to industries in two stages. 'Consent to Establish' is issued depending upon the suitability of the site before the industry takes up the construction activity. 'Consent to Operate' is issued before commissioning the industrial unit after the compliances of conditions of 'Consent to Establish' issued.

3.4 WATER POLLUTION CONTROL

The Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 is enacted to prevent and control water pollution and to preserve or maintain or restore the quality of water. As per the provisions of this Act, the local bodies and industries,

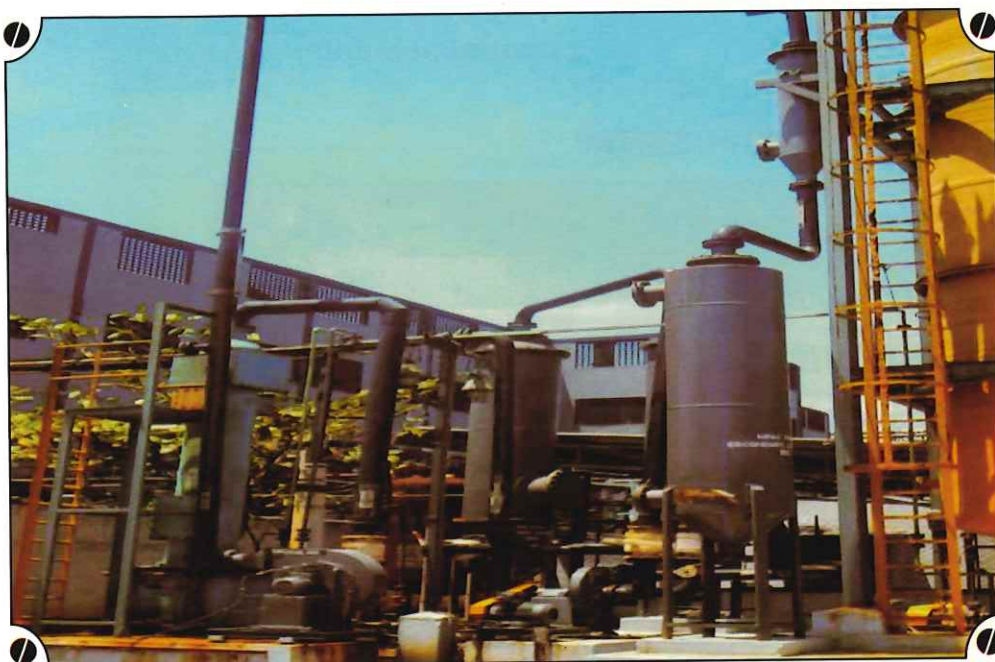


which discharge sewage /trade effluent, are required to apply and obtain the consent from the Board. The industries generating trade effluent are required to provide effluent treatment plant to treat their trade effluent to satisfy the standards prescribed by the Board. Industries are constantly monitored regarding the functioning of their effluent treatment plants and

samples of treated sewage/trade effluents are collected regularly to assess the quality of effluent discharged and also to assess the efficiency of the effluent treatment plants provided. During the year 2009-2010, 16,605 samples of sewage and trade effluents from the industries were collected and analysed. The Board has issued 1553 'Consent to Establish' orders and 2264 'Consent to operate' orders under the Water (Prevention and Control of Pollution) Act, 1974 as amended during the year 2009-2010.

The Water (Prevention and Control of Pollution) Cess Act, 1977, provides for the levy and collection of Cess on water consumed by persons carrying on certain industries and by local authorities with a view to augment the water resources and for the prevention and control of water pollution. The Board collects Cess from the specified industries and local bodies and remits to the Ministry of Environment and Forest, Government of India, New Delhi, every month. The Cess assessed and collected for the financial year 2009-2010 is Rs. 853.74 lakhs amount reimbursed by Government of India is Rs.1206 lakhs. The Cess reimbursed to the Board is utilised as per the MOEF guidelines.

3.5 AIR POLLUTION CONTROL



Modification of Bio filter with 3 stage Activated Carbon bed to control VOC Emission from Process

The Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 is enacted to prevent and control air pollution and preserve the air quality. As per the provisions of this Act, the entire State of Tamilnadu has been declared as an 'Air Pollution Control Area'. Industries, which let out process emissions, are regularly monitored through inspections of

the air pollution control measures provided by the units. Ambient air quality survey/stack emission survey are conducted in and around the industries regularly to assess the quality of the emissions let out and on the basis of the report of analysis, the industries are instructed to carry out necessary corrective measures. During the year 2009-2010, ambient air quality surveys have been conducted in 973 industries. The Board has issued 1550 'Consent to Establish' orders and 2261 'Consent to Operate' orders under the Air (Prevention and Control of Pollution) Act, 1981 as amended during the year 2009 - 2010.

3.6 COMMON EFFLUENT TREATMENT PLANTS

The TNPCB plays an important role in the establishment of Common Effluent Treatment Plants (CETPs) for clusters of small-scale industries in various parts of the State. Small-scale industries often express financial difficulties, lack of space and other



reasons, which prevent them from putting up required individual effluent treatment plant. As a large number of small-scale units are in clusters, the Board has launched a massive programme of motivating these industries to set up common effluent treatment plants. The Board assists the units in mobilization of financial resources and in the technical scrutiny of the proposals for the common effluent treatment plants.

3.6.1 FINANCIAL PATTERN OF CETP SCHEMES

Subsidy by Central Government	25% of the project cost.
Subsidy by State Government	25% of the project cost.
Beneficiaries Contribution	20% of the project cost by way of Share capital collections.
Financial Institution Assistance	Balance by way of loans from the Financial Institutions such as IDBI. (30% of project cost)

3.6.2 STATUS OF COMMON EFFLUENT TREATMENT PLANTS:

Common effluent treatment plants are formulated in the following sectors:

Tanneries	21 Schemes
Textile Bleaching & Dyeing Units	31 Schemes
Hotels & Lodges	1 Scheme

Out of 53 CETPs formulated, 14 CETP schemes for tanneries, 29 CETP schemes for textile dyeing units and 1 CETP scheme for hotels and lodges are under operation. 7 CETP schemes for tanneries and 2 CETP schemes for textile dyeing units are under various stages of implementation. State and Central Governments sanction the subsidy for implementing the CETP schemes. Prior to 2003-04 the Government of Tamil Nadu has sanctioned Rs.26.88 crores towards subsidy for the common effluent treatment plants



and out of this Rs.22.66 crores has been released as on 31.03.2003 through the Board and Tamil Nadu Leather Development Corporation. During 2003-2004, 2004-2005 and 2005-2006, State subsidy of Rs.86.49 lakhs to M/s. Kovai Telungupalayam Common Effluent Treatment Private Limited and Rs 114.32 lakhs to M/s Perundurair CETP has been granted.

3.7 MANAGEMENT OF HAZARDOUS WASTES AND CHEMICALS

The TNPCB is taking effective steps in the handling and management of hazardous chemicals and treatment and disposal of hazardous wastes in an environmentally safe manner. The Board has identified 2733 units generating hazardous wastes under the Hazardous Wastes (Management Handling and Transboundary Movement) Rules, 2008, as amended as on 31.3.2010.



A Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) have been established at SIPCOT Industrial Estate, Gummidipoondi for Treatment, Storage and Disposal of hazardous waste from industries located in Tamilnadu. The secured landfill facility in the CHWTSDF is in operation since January. 2008. The Common Hazardous Waste incinerator will be commissioned by Mid-September 2009. Besides, the Federation of common effluent

treatment plants, Tiruppur has identified a site at Nallur Village, Karupagoundarpalayam, Tiruppur Taluk, Coimbatore District. The site has been notified as a site for establishing Common Hazardous Waste Treatment Storage and Disposal facility vide G.O.Ms.No.299 E&F (ECII) Dept.dt.2.11.2004. The federations of CETPs & ETPs in Karur have identified a site at Mathagiri village, Krishnarayapuram Taluk, Karur district for establishing a secure landfill facility for disposal of sludge generated from treatment of textile dyeing effluents. The site has been notified as a site for establishing

Common Hazardous Waste Treatment Storage and Disposal facility vide G.O.Ms.No.135 E&F (ECII) Dept.dt.16.08.2005. Work will be undertaken after obtaining local body clearance in the above two sites.



Another site for CHWTSDF has been identified at SIPCOT, Perundurai, Erode District. The EIA studies and the process of public hearing have been completed. Environmental Clearance is awaited from the SEIAA.

The TNPCB is promoting utilization of Hazardous Waste in cement kilns for co-incineration. M/s.Grasim Industries, Ariyalur Reddiyarpalayam M/s.ACC, Madukarai have been given permission in this regard.

3. 8 MANAGEMENT OF BIOMEDICAL WASTES



The Biomedical Waste (Management & Handling) Rules, 1998 as amended applies to all persons who generate, collect, receive, store, transport, treat, dispose or handle biomedical waste in any form. As per the rule, authorization is required for handling of biomedical wastes. It is the duty of the occupier of an institution generating the biomedical waste to take all steps to ensure that the biomedical waste is handled without

any adverse effect to human health and environment. Biomedical waste shall be treated and disposed in accordance with schedule 1 and in compliance with the standards prescribed in schedule V of the said rules.

The Board has so far inventoried 3261 private hospitals, 308 Government hospitals in the State. All the health care





facilities have joined area wise in common biomedical waste treatment and disposal facilities having treatment systems like autoclave, shredder, compactor, incinerator and secure landfill facility. So for 11 common facilities have been established for the private sector health care units in the State at Thenmelpakkam Village and Chennakuppam Village in Kancheepuram District. Kandipedu Village in Vellore District, two facilities

at Orattukuppai Village in Coimbatore District, Sengipatti Village in Thanjavur District, Muthuvayal Village in Ramanathapuram District, Coonoor in the Nilgiris District, Ettankulam Village in Tirunelveli District, Thangayur Village in Salem District and Undurmikidakulam in Virudhunagar District.

All the 11 common treatment facilities have been issued authorisation by the Board, so far 3062 health care facilities are also issued authorisation. The Government Hospitals, under the Tamilnadu Health systems project, are being brought with Private Common Bio Medical Waste treatment facilities for the safe disposal of Bio Medical Waste management.

3.9 MANAGEMENT OF MUNICIPAL SOLID WASTES

With increasing urbanization and rising levels of municipal solid wastes generation, there is an urgent need to evolve scientific approaches to the management of municipal solid wastes. The Municipal Solid Wastes (Management and Handling) Rules, 2000 has been enacted for proper management of municipal solid wastes. Commissioners of Corporations, Municipalities and Executive Officers of Town Panchayats have been addressed to comply with the implementation schedule prescribed in Schedule 1 of the rules. The Board is advocating the concept of segregation of wastes at source, reduction, recycle and reuse of waste. Municipal authorities have been asked to segregate the wastes as wet compostable waste, dry recyclable waste, inert wastes, construction debris and domestic hazardous waste.

During the budget session of the State Legislative Assembly on 28.04.2007, the Hon'ble Minister for Environment has announced that eight Municipalities will be selected and be granted a total amount of rupees one crore for the implementation of the Municipal Solid Wastes (M&H) Rules, 2000. In order to develop one Municipality or one Special Village Panchayat in each district as a Model town in Municipal Solid Waste Management, seed money of Rs.2 Lakhs to one Municipality or Rs.1 lakh to one Special Village Panchayat in each district has been given by the Board through District



Collectors. Also Rs.5 Lakhs each have been given to Dharapuram, Coonoor & Namakkal Municipalities for Management of Municipal Solid Waste Management and to make it as a model Municipality.

Further, Board initially issues 'No Objection Certificate' to the sites selected by the local body if the site is



found suitable and not owned by the local body. This is done to speed up the process of acquiring the land and setting

up the compost facility by the local bodies. So far 110 out of 148 municipalities have been issued NOC for the site selected by them. Out of these 73 municipalities and 14 town panchayat have been issued with authorisation. Seven Corporations have also been issued with NOC. Further power has been delegated to DEES/AEEs to issue NOC to Municipalities and Town Panchayats on 08.02.2010 in order to speedup the issue of NOCs to the local bodies.



3.10 MANAGEMENT OF PLASTIC WASTE

The Government of India, Ministry of Environment and Forest notified the Recycled Plastics Manufacture Sale and Usage Rules, 1999 as amended under the Environment (Protection) Act, 1986 to ensure that carry bags and containers used for packing food stuff is not made of recycled plastics. As per the provision of the said rules,

only virgin plastics, permitted additives and colour are to be used in plastic items shall use for packaging foodstuff. All District Collectors, local bodies, Commissioner of Police, Special Commissioner and Commissioner of civil supplies have been addressed to ensure compliance with the provision of the said rules. The Board has identified 1732 plastic products manufacturing units and issued consent for the same.



Chapter 4

4.0 MONITORING NETWORK FOR QUALITY OF AIR AND WATER

4.1 AIR QUALITY MONITORING

With the increased industrial and commercial activities in the vicinity of major cities, the quality of the ambient air is being affected by emissions from the industries and from the ever increasing vehicular population. As per the provision of Air (Prevention and Control of Pollution) Act, 1981, the entire state of Tamilnadu has been declared as an air pollution control area.

4.1.1 AMBIENT AIR QUALITY MONITORING PROGRAMME AT CHENNAI CITY

Tamilnadu Pollution Control Board is operating eight ambient air quality monitoring stations in Chennai under two monitoring programmes:

National Air Quality Monitoring Programme (NAMP)

Chennai Ambient Air Quality Monitoring (CAAQM) Programme

Under NAMP three ambient air quality monitoring stations are functioning on 24 hours basis, twice a week. The samples collected from NAMP stations are analysed for the Total Suspended Particulate Matter (TSPM), Respirable Suspended Particulate Matter (RSPM). (RSPM is particulate matter less than 10 microns) and gaseous pollutants such as Sulphur di oxide (SO₂) and Oxides of Nitrogen (NO_x).

Under CAAQM programme, TNPCB is operating five monitoring stations on 24 hours basis two stations per day on all working days. The pollutants measured in the CAAQM stations are Sulphur di oxide (SO₂), Oxides of Nitrogen (NO_x), Respirable Suspended Particulate Matter (RSPM) and Total suspended particulate matter (TSPM) in all stations.

The eight ambient air quality monitoring stations in Chennai are:-

I	Kathivakkam (NAMP)	Industrial area
II	Manali (NAMP)	Industrial area
III	Thiruvottiyur (NAMP)	Industrial area
IV	Kilpauk (CAAQM)	Commercial (traffic inter-section)
V	Thiyagaraya Nagar (CAAQM)	Commercial (traffic inter-section)
VI	Vallalar Nagar (CAAQM)	Commercial (traffic inter-section)
VII	Anna Nagar (CAAQM)	Residential area
VIII	Adyar (CAAQM)	Residential area



The TNPCB has established three continuous air quality monitoring stations in and around Chennai City.

The National Ambient Air Quality Standards prescribed is given below:

Area	Annual average concentrations of pollutants			
	So ₂	NO _x	RSPM	TSPM
Industrial	80	80	120	360
Residential, Rural & mixed areas including traffic inter section	60	60	60	140

The ambient air quality data collected from the above mentioned air quality monitoring stations (NAMP) indicate that all the parameters such as sulphur dioxide, oxides of nitrogen, total suspended particulate matter and respirable dust particulates are found to be well controlled in the industrial area due to the effective monitoring of industrial source emissions by the TNPCB. The average values of pollutants recorded under NAMP programme during the year 2009-2010 are in Annexure-VI.



In general, under CAAQM project the ambient air pollutants such as sulphur dioxide and oxides of nitrogen are well within the standards in Chennai city limit, where as total suspended particulate matter and respirable suspended particulate matter (PM₁₀) levels exceeded the permissible limit at all stations except Adyar mainly due to the dust contributed by pipe line,

telephone/electrical cable laying activities on the road and also due to the resuspension of traffic dust generated from automobile emissions and heavy vehicular traffic and pedestrian movement. The average values of pollutants recorded under CAAQM programme during the year 2009-2010 are in Annexure VII.

4.1.2 AMBIENT AIR QUALITY MONITORING IN THOOTHUKUDI, COIMBATORE, SALEM, MADURAI AND TRICHY

At Thoothukudi, ambient air quality stations have been functioning from the year 1988 in the following locations.

A	Raja Agencies	Industrial zone
B	Fisheries College	Industrial zone
C	A.V.M. Building	Mixed zone

At Coimbatore, the ambient air quality stations have been functioning from the year 1991 in the following locations.

A	G.D. Matriculation School Buildings	Mixed zone
B	Ponniyarajapuram	Residential zone
C	SIDCO Building	Industrial zone

At Salem, the ambient air quality station has been functioning in the following location from July 1996 onwards.

A	Sowdeswari College	Mixed Zone
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At Madurai, the ambient air quality stations have been functioning from July 1996 in the following locations.

A	Highways Project Building	Residential zone
B	M/s.Susee Cars and trucks Co., Ltd.	Industrial zone
C	Avvai Girls Higher Secondary School	Mixed zone

The ambient air quality data recorded during 2009-2010 indicate that all the parameters such as sulphur dioxide, oxides of nitrogen, total suspended particulate matter and respirable suspended particulate matter are found to be well controlled at Thoothukudi, Madurai, Coimbatore and Salem except in Thoothukudi at M/s. Raja Agencies, Avvai Girls Hr. Sec. School buildings in Madurai and at Sowdeswari College buildings Salem, where the annual average value of RSPM are found to exceed the permissible limits due to heavy commercial activities and traffic flow. The annual average values of pollutants recorded during the year 2009-2010 are in Annexure VI

At Trichy, under Trichy ambient air quality monitoring programme, TNPCB is operating 5 monitoring stations once in a week on 24 hours basis in all working days in the following places:-

1	Gandhi Market	Commercial zone
2	Main Guard Gate	Traffic intersection
3	Bishop Heber College	Mixed zone
4	Golden rock	Residential zone
5	Central bus stand	Traffic intersection

The ambient air quality data collected from the TAAQM stations in Trichy indicates that the average concentrations of SO₂ and NO_x values are found well within the prescribed standard and the RSPM and TSPM values (except at Bishop Heber College) are exceeding the standard prescribed by the Board. This could be attributed not only due to the increase in number of vehicles and the surface dust generated by vehicular movement but also due to the digging and laying activities for pipe lines, electrical and telephone cables. The annual average concentration of ambient air pollutants during the period 2009-2010 are in Annexure - VIII

4.2 VEHICULAR EMISSION MONITORING

4.2.1 VEHICULAR EMISSION MONITORING IN CHENNAI CITY

TNPCB was carrying out the vehicle emission monitoring since 1992 for testing the emissions from goods transport vehicles in and around Chennai city in three locations at Alandur (was located at Ambattur w.e.f. 8-12-2005), Madhavaram and Ambattur till 31.12.2009 and now TNPCB is carrying out Vehicle emission monitoring only at Ambattur since 01.01.2010. During the year 2009-2010, 22012 vehicles were tested. Among the total vehicles tested, 1668 vehicles did not comply with the emission standards during the first test. Vehicles that do not comply with the emission standards are instructed to carry out corrective measures to comply with the emission standards. Emission under control certificates are issued to only these vehicles comply with the emission standards in the subsequent tests. In addition, 74 private agencies have been authorised by the Transport Department in Chennai urban agglomeration area to check the emission levels of the vehicles. The details of vehicles tested at TNPCB VEM, Station during 2009-10 are in Annexure IX.

4.3 WATER QUALITY MONITORING

4.3.1 MONITORING OF INDIAN NATIONAL AQUATIC RESOURCES (MINARS) AND GLOBAL ENVIRONMENTAL MONITORING SYSTEM (GEMS)

Under MINARS programme, the rivers Thamiraparani, Palar and Vaigai and lakes such as Udthagamandalam lake, Kodaikanal lake and Yercaud lake are being monitored. Under GEMS and MINARS programmes the river Cauvery is being monitored. The programmes are funded by the Central Pollution Control Board, New Delhi.

4.3.1.1 RIVER CAUVERY

The Cauvery River is a major river in the State which drains more than one third of the State. This river has been identified as a major river for studying the impact of pollution caused by various activities of the domestic and industrial sectors.

The quality of river water is being monitored at twenty places along the river under GEMS (4 stations) and MINARS (16 stations). These places have been selected on the basis of the location of outlets for the discharge of industrial effluents and domestic wastes.

The physico-chemical and biological parameters are analysed at each of the monitoring stations. Sampling is done on a frequency prescribed by Central Pollution Control Board, New Delhi and analysis is done at the Advanced Environmental

Laboratory, Salem. The mean values of water quality at various sampling stations are enclosed, in Annexure - XA and XB.

The overall analysis of the data reveals that the fecal contamination of surface water of the river is a common phenomenon due to the unhygienic anthropogenic activities and disposal of either untreated or partially treated municipal waste into the river systems directly or indirectly. In general, the water quality of the river is categorized under B, C & D class designated best use for outdoor bathing, drinking water source with conventional treatment followed by disinfection and propagation of wild life & fisheries.

4.3.1.2 THAMIRAPARANI RIVER

The water quality of the Thamiraparani River is monitored on a frequency prescribed by Central Pollution Control Board, New Delhi at seven stations. The physico-chemical parameters and biological parameters are analysed in the District Environmental Laboratory at Tirunelveli and the details have been furnished in Annexure XI.

The water quality study conducted during the year 2009-2010 shows that the level of pH values varied from 6.81 to 7.31 and the average values of the bio-chemical oxygen demand (BOD) varied from 1.37 to 2.53 mg/l as against the standards prescribed for pH (6.5 to 8.5) and bio-chemical oxygen demand (3mg/L). The parameters analysed meet the standards prescribed for surface water quality under the class 'B' & 'C', class designated best use for out door bathing, drinking water source with conventional treatment followed by disinfection.

4.3.1.3 PALAR RIVER

One station viz., Vaniyambadi Municipal Head Works in the Palar River is being monitored every month. The analysis of water samples is done in the Advanced Environmental Laboratory at Chennai, for physico-chemical and bacteriological parameters. The mean values of water quality are furnished in Annexure XII.

The analysed data reveals that the water quality of the river at the sampling point meets the standards prescribed for surface water quality under class 'B'.

4.3.1.4 VAIGAI RIVER

The water quality of the Vaigai river is being monitored by collecting the samples once in six months from the collection well of Thirubuvanam Head works and analysed in the Advanced Environmental Laboratory at Madurai for physico-chemical and bacteriological parameters.

The water quality of the Vaigai River (collected from infiltration well) meets the standards prescribed for surface water quality under class 'B' and the details are furnished in the Annexure-XII.

4.3.1.5 LAKES



Under MINARS programme, three important lakes of Tamil Nadu at Udhagamandalam, Kodaikanal and Yercaud have been identified and monitored by collecting samples once in three months. The mean values of water quality are furnished in Annexure XIII-(A).



The bio-chemical oxygen demand (BOD) in Udhagamandalam lake is found to exceed the standards prescribed due to the surface run off and sillage discharge into lake either directly or indirectly.

The water quality of the Udhagamandalam lake meets the standards prescribed for surface water under class 'D', Kodaikanal class 'D' and the water quality of Yercaud lake meets the standards prescribed under Designated best use class 'C'.

4.4 MONITORING OF CHENNAI CITY WATERWAYS

Chennai city is traversed by four waterways namely the Cooum, Adyar, Buckingham Canal and Otteri nullah. The TNPCB is monitoring these water ways to assess the level of pollution by collecting water samples every month both at water bodies and industrial outlets as detailed below:

Source	River No. of station	Industrial / STP / Domestic waste water outlets No. of stations
Adyar	5	6
Cooum	11	5
Buckingham canal	10	10
Otteri Nullah	7	5

During the year 2009-2010, 1160 samples were collected and analysed at the Advanced Environmental Laboratory, Chennai. The mean values of water quality are furnished in the Annexure-XIII-B.

4.5 LABORATORIES

To assist the Board in the monitoring of industries, the Tamilnadu Pollution Control Board has Established 3 Advanced Environmental Laboratories, 10 District Environmental Laboratories and 1 Mobile Environmental Laboratory under section 17 (2) of the Water (Prevention and Control of Pollution) Act, 1974 amended in 1978 and 1988, so as to enable the Board to perform its functions efficiently and to cover the industries located in various districts. The details of effluent samples, received / analysed and Air Quality Survey / Noise level survey conducted laboratory wise during the year 2009-2010 are shown at Annexure - XIV.

4.6 ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION



As a part of the awareness campaign to inform the public about the health effects caused by air & noise pollution, due to bursting crackers continuously, special monitoring programmes were launched by TNPC Board for 2009 - 2010 during festival seasons with monitoring of noise level and air quality level during deepavali and monitoring of air quality level during bhogi, 2010.

The noise level and the ambient air quality surveys were conducted during deepavali in important cities of Tamilnadu viz., Chennai, Trichy, Coimbatore, Madurai, Tirunelveli, Vellore, Salem, Hosur, Tiruppur and Cuddalore. A special ambient air quality survey on pre-bhogi, bhogi and post bhogi days were conducted in Chennai at nine places viz., Anna Nagar, Besant Nagar, Kilpauk, Royapuram, Thiyagaraya Nagar, Vallalar Nagar, Vyasarpadi, Triplicate and Mandeville.

Apart from the above, TNPCB has imparted training to 51 persons attached to the private emission testing centers and issued 25 performance certificate for the emission monitoring instruments attached to the private emission testing centers.

Chapter 5

5.1 ENVIRONMENTAL STANDARDS

One of the functions of the TNPCB is to lay down, modify or annual effluent standards for the sewage / trade effluents and for the emissions of air pollutants into the atmosphere from the industrial plants or any other source with approval of Government of Tamil Nadu.

The Board has prescribed standards for the discharge of treated sewage / trade effluents depending upon the mode of disposal either into inland surface water, sewer, and marine coastal areas or on land. Treated effluent from the industries must satisfy the respective standards before its disposal.

Ambient Air Quality Standards and Emission Standards have been fixed for polluting industries. The Board monitors the industries local bodies, automobile emission so that they adhere to the prescribed effluent / emission standards.

MOEF has issued revised standards during Nov 2009 for the National Ambient Air Quality. All the industries have been advised to adhere to the revised emission standards.

Chapter 6

6.1 LEGAL ACTION

The TNPCB is taking legal action against the defaulting industries. The Board has so far issued show cause notices to 49859 industries and closure orders to 7759 industries for not complying with the conditions prescribed by the Board. During the year 2009-2010, 2828 show cause notices and 392 closure orders have been issued.

6.2 GREEN BENCH

The Hon'ble High Court of Madras has constituted a 'Green Bench' during the year 1996 as per the directions of Hon'ble Supreme Court of India dated 28.8.96 in W.P(C) No.914/1991. The Green Bench deals with cases pertaining to environment related matters.

6.3 APPELLATE AUTHORITY

During 2007, the Government of TamilNadu reconstituted the Appellate Authority under the Chairmanship of Hon'ble Justice Thiru.K.Sampath Kumaran, retired Judge of Madras High Court and Thiru.Dr.Thayumanavan, Director for Environment Studies (Retd.), Anna University and Thiru.Dr.G.B.Jaiprakash Narain, Former Director, National Institute of Technical Teachers and Research, MOHRD, Government of India, Chennai as members vide G.O.Ms. No.24 E&F (ECI) Dept. dated 08.02.2007.

Any person aggrieved by an order made by the SPCB under Section 25, 26 or 27 of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 may within 30 days from the date on which the order is communicated to him, prefer an appeal to the said authority. During the year 2009-2010, 106 appeals have been filed by the aggrieved units in the Appellate Authority and the said authority disposed 70 appeals.

Chapter 7

7.1 BOARD MEETINGS

MEETINGS OF THE BOARD WERE HELD DURING THE PERIOD FROM APRIL 2009 TO MARCH 2010. THESE DETAILS ARE LISTED BELOW.

Sl. No.	No. of SUBJECTS PLACED	BOARD MEETING No.	DATE OF MEETING
1	25	234 TH	10/07/2009
2	35	235 TH	03/12/2009
3	4	236 TH	29/12/2009
4	24	237 TH	03/03/2010

7.2 MAJOR POLICY DECISION TAKEN BY THE TAMILNADU POLLUTION CONTROL BOARD DURING THE PERIOD FROM APRIL 2009 TO MARCH 2010.

The Board resolved to forward the proposal for creation of 4 posts of Assistant Director (Labs) to Advanced Environmental Laboratory, Madurai, Salem and upgradation of District Environmental Laboratory, Cuddalore & Coimbatore as Advanced Environmental Laboratory to the Government for its approval.

The Board resolved to forward the proposal for upgradation of Assistant Environmental Engineers' Office, viz., Nagapattinam, Nagercoil, Villupuram, Thanjavur and Udthagamandalam as District Environmental Engineers' Offices and creation of 5 District Environmental Engineers post to accommodate the above five Offices to the Government for its approval.

The Board resolved to forward the proposal for formation of a new District Environmental Engineer's Office at Thiruvannamalai District as was announced by the Hon'ble Minister for Environment on the floor of the Tamilnadu Legislative Assembly to the Government for its approval.

The Board resolved to sanction Rs.31 lakhs for development of green belt to prevent the global warming and top comply with the Hon'ble Environment Ministers announcement during the Budget session held in the Legislative Assembly.

The Board resolved to approve the proposal for providing access control and CCTV at the TNPC Board Corporate office and Annexe Building at a cost of Rs.20 lakhs (approx) (Rupees Twenty lakhs only)

The Board resolved to approve the proposal for acquiring 0.54 acre of land on lease and payment of Rs.8.10 lakhs towards land deposit to SIPCOT for the construction of DEE office at Perundurai.

Chapter 8

8.1 ENVIRONMENTAL TRAINING INSTITUTE

ETI is an organizational wing of TNPCB, which was established in 1994 with Danish assistance. It is functioning in the 3rd floor of its corporate office of TNPCB. ETI is guided by a steering committee, chaired by Chairman of TNPCB and its Members are from Government, PCB and CEOs of Industry. An Advisory Council comprising of Members from Industries, NGOs, Academic and government institutions provides technical support to the ETI.

The main objective of the Training institute is to impart training to staff of the Pollution Control Board, Industrial representatives, Executives of Municipalities and Corporations, Line agencies and non-governmental organizations on the following aspects.

- (i) Improve awareness at all levels.
- (ii) Introduce the holistic approach to environment & sustainable development
- (iii) Introduce the basic theories, concepts and methodologies of integrated environmental planning and management aiming a sustainable development
- (iv) Promote public awareness and motivation to preserve and protect the environment through NGOs.
- (v) Create Cross - media awareness in industry, urban sector and the public on Environmental Hazards and adverse impact on quality of life.
- (vi) Pollution Control at source by cleaner technology and improved processes of materials and products. This includes conservation of non-renewable resources, resource recovery, refuse recycling and disposal of minimum waste to the environment.
- (vii) Improve environment management capacity in the sector of industry and urban development.
- (viii) Develop the ability among professionals to communicate effectively. During the year 2009 -2010 this training institute has conducted 10 programmes and trained 1349 personnel in total.

Chapter 9

9.1 ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

As a part of the awareness campaign to create awareness among the public about the health effects caused due to air and noise pollution by bursting of crackers continuously, Special monitoring programs were launched by TNPC Board for 2009-10, During festival seasons the monitoring of noise level, and air quality level, during deepavali the monitoring of air quality level and also during bhogi. The noise level and the ambient air quality survey was carried out during deepavali in the important cities of Tamil Nadu viz. Chennai, Trichy, Coimbatore, Madurai, Tirunelveli, Vellore, Salem, Hosur, Tiruppur and Cuddalore. A special ambient air quality survey on pre-bhogi, bhogi and post-bhogi days were carried out in Chennai at nine places viz. Anna Nagar, Besant Nagar, Kilpauk, Royapuram, Thiyagaraya Nagar, Vallalar Nagar, Vyasarpadi, Triplicane and Mandaveli.

As a part of awareness programme the mobile exhibition vehicle was also done to all schools of Tamil Nadu for creating awareness among the students for which 41 programmes were conducted. In the Anna FM 44 environmental programs were broadcasted. Apart from the above, TNPCB has conducted 126 awareness programmes on various environmental issues for the public, school students, other institutions etc.

Chapter 10

10 OTHER IMPORTANT MATTERS DEALT IN THE BOARD

10.1 PUBLIC HEARING

Some specific categories of industrial projects require environmental clearance from the Ministry of Environment & Forests, Government of India as per the Notification issued. As per the instruction of the MOEF and State Environment Impact Assessment Authority, the Tamil Nadu Pollution Control Board 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. Up to 31.3.2010, 514 public hearings have been conducted on various projects. 29 public hearing meetings were conducted during the year 2009-2010.

10.2 SPATIAL ENVIRONMENTAL PLANNING

The Spatial Environmental Planning Unit of Tamilnadu Pollution Control Board has taken up the Geographic Information System based Spatial Environmental Planning (SEP) activities with the technical and financial support of Central Pollution Control Board (CPCB) for better Environmental Management from the year 2000 - 2001. These SEP activities include the preparation of District Environmental Atlas, State Environmental Atlas, Environmental Management Plan etc.,

During the year 2000 - 2001 to 2004 - 2005 the District Environmental Atlas for the Districts of Coimbatore, Vellore, Thoothukudi, Thiruvallur and Kancheepuram districts had been prepared by the SEP Unit of Tamilnadu Pollution Control Board and the same had been approved by CPCB. Further the approval for the publication of District Environmental Atlas of Coimbatore, Vellore, Thoothukudi, Thiruvallur and kancheepuram district has been obtained from Ministry of Defence, Govt. of India.

During the year 2005 - 2006 to 2007 - 2008, as the preparation of District Environmental Atlas for the districts of Villupuram, Cuddalore, Erode, Salem, Karur, Madurai, Namakkal and Trichy had been completed and these Atlas were submitted to CPCB for approval.

Presently as per B.P.Ms.No.24 dated 15.12.2009, Board has approved to carry out the project on preparation of District Environmental Atlas for Krishnagiri, Dharmapuri and Thiruvannamalai district as the current year activities of Spatial Environmental planning.

CPCB has suggested regularizing the Spatial Environmental Planning activities as the regular activities of the Board and continue the SEP activities with its own fund during the eleventh Five Year Plan.

10.3 WATER CONSERVATION

As a water conservation measure, three major industries in Manali and Basin Bridge area are utilising about 25 MLD (million liters per day) of city sewage in their plants after tertiary treatment for cooling purposes. A major petroleum refinery unit at Manali. There are 207 dyeing units in the State including 148 units at Tiruppur have provided reverse osmosis plants for recovering the process water from the effluent. The recovered water is reused in the process. In sugar industries, water condensate from evaporators is reused. As a condition for issue of consent, industries have been instructed to provide rainwater harvesting arrangements. During the last two years, all the industries have set up rain water harvesting systems. The roof top rainwater harvesting system has also been provided in the offices of the Tamilnadu Pollution Control Board.

10.4 CLEANER TECHNOLOGIES



The TNPCB is involved in promoting a holistic approach of environment protection by cleaner technology options more than mere end-of-pipe treatment. With active support and encouragement from the Board, the industrial units in Tamilnadu have switched over to cleaner technologies such as adoption of membrane cell instead of mercury cell in caustic soda manufacturing, adoption of dry process instead of wet process to reduce air pollution in cement

factories, adoption of double conversion and double absorption technology in sulphuric acid manufacturing, gas carburizing instead of cyanide salt in heat treatment and cyanide free electroplating. Pulp and paper industries are encouraged to go in for elemental chlorine free bleaching to reduce the formation of organo-chlorides including dioxins. Industries consuming ozone-depleting substances are systematically changing to environment friendly compounds. Tanneries adopt desalting, reuse of lime and chrome recovery system so as to reduce the pollution load in the effluent.

10.5 WASTE MINIMISATION

With the adoption of cleaner technologies there has been progress in waste recovery and waste minimization. Examples include recovery of materials such as chrome from tannery effluent and ammonia from fertilizers. Out of 17 distilleries, 10 distilleries have gone for biocomposting of their effluents with press mud of sugar factories for achieving zero discharge of trade effluent. Two distilleries are not in operation at present.

10.6 ENERGY CONSERVATION

As a measure for fuel conservation and recovery, all the distilleries are recovering methane gas from their spent wash through anaerobic digestion. Major sugar factories have installed co-generation power plants. The sago units recover methane gas from their trade effluent through anaerobic digestion. A CETP for tanneries in Melvisharam has installed a power generator using methane recovered from anaerobic digestion of fleshings from tannery. In activated carbon process, the waste heat is recovered and used at boiler section. Other industrial units are encouraged to use less energy and it is being audited through the environmental statements of the unit.

10.7 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 Waste (Management & Handling) Rules, 1989. Industries are required to submit Environmental Statement for the financial year ending 31st March every year in the prescribed Form-V before 30th September every year to the State Pollution Control Board. Environmental Statements have been obtained from all the 17 category of highly polluting industries to assess their water & energy consumption and efforts in reducing the pollution levels.

10.8 ENVIRONMENTAL AUDIT

For self auditing of the environmental management systems, all major industrial units have been asked to get the ISO 14001 certifications which are awarded after auditing the environmental management systems by an external agency.

10.9 GREEN COVER PROGRAMME

As a measure of pollution check, industries have been directed to develop 25% of the land area as green belt with trees having a thick canopy cover. Accordingly, industries have taken action to plant adequate number of trees in and around the industrial premises.

10.10 EXTERNALLY AIDED PROJECTS

A feasibility study on industrial wastewater recycling and reuse for the tanneries in the Vellore Region has been carried out and the study is funded by the U.S. trade and Development Agency (USTDA). The project cost is US \$ 1,80,100 (approximately Rs.81 lakhs). Status reports on various topics industrial pollution, plastic waste management, Battery waste management, e-waste, 13MW, are prepared with CPCB aid.

10.11 COMPLAINT CELL

Due to increased Environmental awareness and awareness on Pollution Control Legislation several complaints are being received from various individuals / Organisation/ NGOs etc. regarding water, air, noise and vehicular Pollution. To take appropriate action against these complaints, an active 'Complaint Cell' is functioning in the head office, Chennai on all working days. For easy access of the Public and others, separate telephone number, 22353153 is allotted for receiving complaints and guidance. The complaints are attended by calling reports along with the recommendations from the field officers of the Board. Action is taken based on the reports as early as possible. For attending environmental related complaints especially in Chennai City, a 'Green Squad' under the control of District Environmental Engineer, Tamilnadu Pollution Control Board, Chennai has been formed. Two patrolling vehicles and two two-wheelers have been provided to the Green Squad Chennai Districts. Further the Office of District Environmental Engineer, Ambattur; and Tambaram have also been provided with one Two wheeler for each to the Green Squad. The Green Squad visits the complaint immediately as and when received and intimates the facts to the District Environmental Engineers, Tamilnadu Pollution Control Board for action.

10.12 RIGHT TO INFORMATION ACT

In pursuance to the directions of Government of Tamil Nadu, Tamil Nadu Pollution Control Board has designated the Member Secretary as State Information Officer (Appellate Authority) and One Public Information Officer in the Corporate Office and 28 District Officers are also designated as Public Information Officers to provide information to the persons requesting for information under the Right to Information Act 2005. The Board has received 421 applications seeking information for the period from 01.04.2009 to 31.03.2010 and the Board has disposed all the request of 421 applicants.

Further the Board has also received 92 appeal petitions and all the appeal petitions were disposed during the same period.

10.13 LIBRARY

The TNPC Board Library was established during November 1989. At present library has a collection of above 10,596 Books and Reports. The Collections are classified under Dewey decimal classification.

The collection comprises of documents to the field of Environmental Protection, Air Pollution, Vehicular Pollution, Water Pollution, Noise Pollution, Wastewater Treatment, Municipal Waste Management, Hazardous Waste Management, Biomedical 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, Forestry.

Library subscribes for 76 Journals 9 Newspapers, 15 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.

Library is administrated by the Library Committee and Library Purchase Committee chaired by the Member Secretary. The committee consist Senior Officers of the Board and experts from Anna University and IIT, Madras. Membership is opened to all those who involve in Environmental aspects. 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 & Professors, Professionals, NGOs, Industrialists and other Government Department officials and people involved in environmental aspects used to refer the Library. Readers are not only from Chennai but also from allover Tamil Nadu and Pondicherry and from other States like Karnataka, Andhra Pradesh, Kerala, Maharashtra, Uttar Pradesh and West Bengal also visited the library. From April 2009 to March 2010, 2636 No. of readers utilized the Library.

Libsys software has been installed for TNPCB Library automation. Data Entry is being done. Through OPAC (Open Access Catalog) anyone can search the available books and reports and also articles published in the subscribed journals.

10.14 TNPCB Newsletter:

TNPCB Newsletter, a Quarterly is published, which brings Board activities, important notifications, research articles and news articles on environment and pollution control.

ANNEXURE - I

List of Board Members from 1.4.2009 to 31.03.2010

S.No.	Name & Address	Position	From	To
1	Thiru.R.BALAKRISHNAN, I.A.S., Chairman, Tamilnadu Pollution Control Board, 76 Mount Salai, Guindy, Chennai 600 032.	Member	31.07.08	31.03.10
2	Thiru. DEBENDRANATH SARANGI, I.A.S., Principal Secretary to Government, Environment and Forests Department, Fort St. George, Chennai 600 009.	Member	1.12.08	31.3.10
3	Thiru.P. RAGHAVAN, Joint Director, Finance (BPE) Department, Secretariat, Fort St. George, Chennai - 600 009.	Member	01.07.07 Fore Noon	31.03.10
4	Thiru.S.RAGHUNATHAN, Chief Inspector of Factories, i/c, Chepauk, Chennai 600 005.	Member	1.2.09	31.3.10
5	Thiru. ASHOK DONGRE, I.A.S., Commissioner of Town and Country Planning. Chengalvarayan Building, IVth Floor 807 Anna Salai, Chennai 600 002.	Member	29.09.07	06.01.10
6	Thiru. PANKAJ KUMAR BANSAL, I.A.S., Commissioner of Town and Country Planning. Chengalvarayan Building, IVth Floor 807 Anna Salai, Chennai 600 002.	Member	06.01.10	31.03.10
7	Thiru.S. ELANGO, M.B.B.S., Director of public Health and Preventive Medicine, Teynampet, Chennai 600 006.	Member	01.06.08	31.03.10

ANNEXURE - I

List of Board Members from 1.4.2009 to 31.03.2010

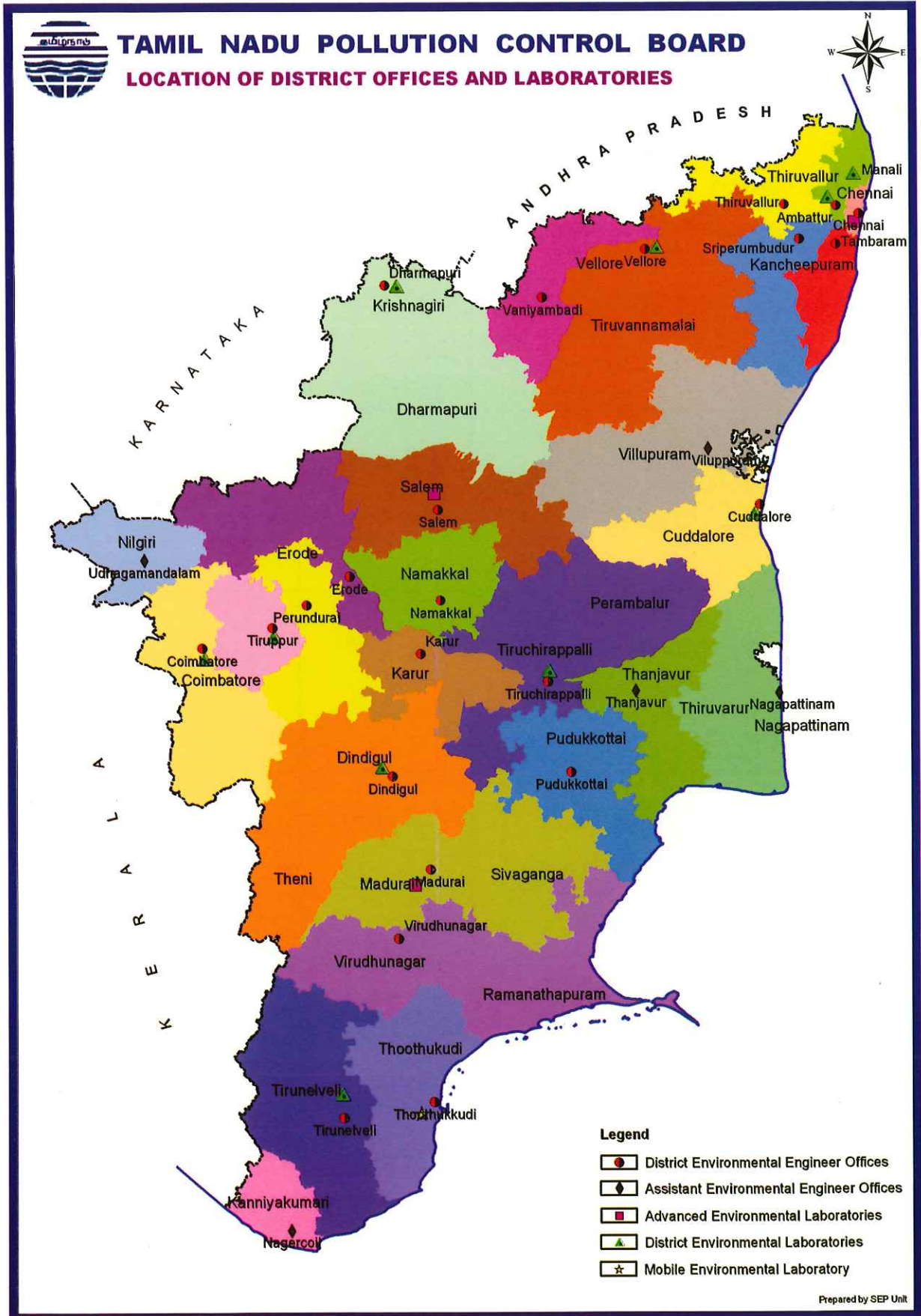
S.No.	Name & Address	Position	From	To
8	Thiru. SWARAN SINGH I.A.S., Managing Director, TWAD Board, Chepauk, Chennai 600 005.	Member	18.05.06	31.03.10
9	Thiru.K.BALASUBRAMANIAM,B.E., Member (Generation) Tamilnadu Electricity Board, Electricity Avenue, (NPKRR Maligai), 800, Anna Salai, Chennai-600 002.	Member	01.7.08	31.03.10
10	Thiru.R. SHAICK JALALUDDIN, Joint Director of Fisheries (Retired) No.4/118-2nd North Cross Street, Kabaleeswarar Nagar, Neelangarai, Chennai 600 041.	Member	14.11.07	31.03.10
11	Thiru.GUMMUDIPOONDI K.VENU, (Ex. MLA) 174, GNT Road, Kavarapettai & Post, Gumudipoondi Taluk, Thiruvallur District - 601 206.	Member	14.11.07	31.03.10
12	Dr. ZACKRIAH SAIT, M.B.B.S., The Regional Chairman(South Region) Leather Export Promotion Council, M/s.Presidency Kid Leather Ltd., 2165, L.Block, 1st Street, 12th Main Road, Anna Nagar, Chennai - 600 040.	Member	02.06.01	31.03.10
13	Thiru. S. BALASUBRAMANIAN, General Manager i/c.,(P&R), SIPCOT, 194 Marshall Road, Chennai 600 008.	Spl. Invitee	01.10.07	31.03.10
14	Thiru. G. SANTHANAM, I.A.S., Commissioner of Industries and Commerce, Chepauk, Chennai 600 005.	Spl. Invitee	17.07.08	19.06.09

ANNEXURE - I

List of Board Members from 1.4.2009 to 31.03.2010

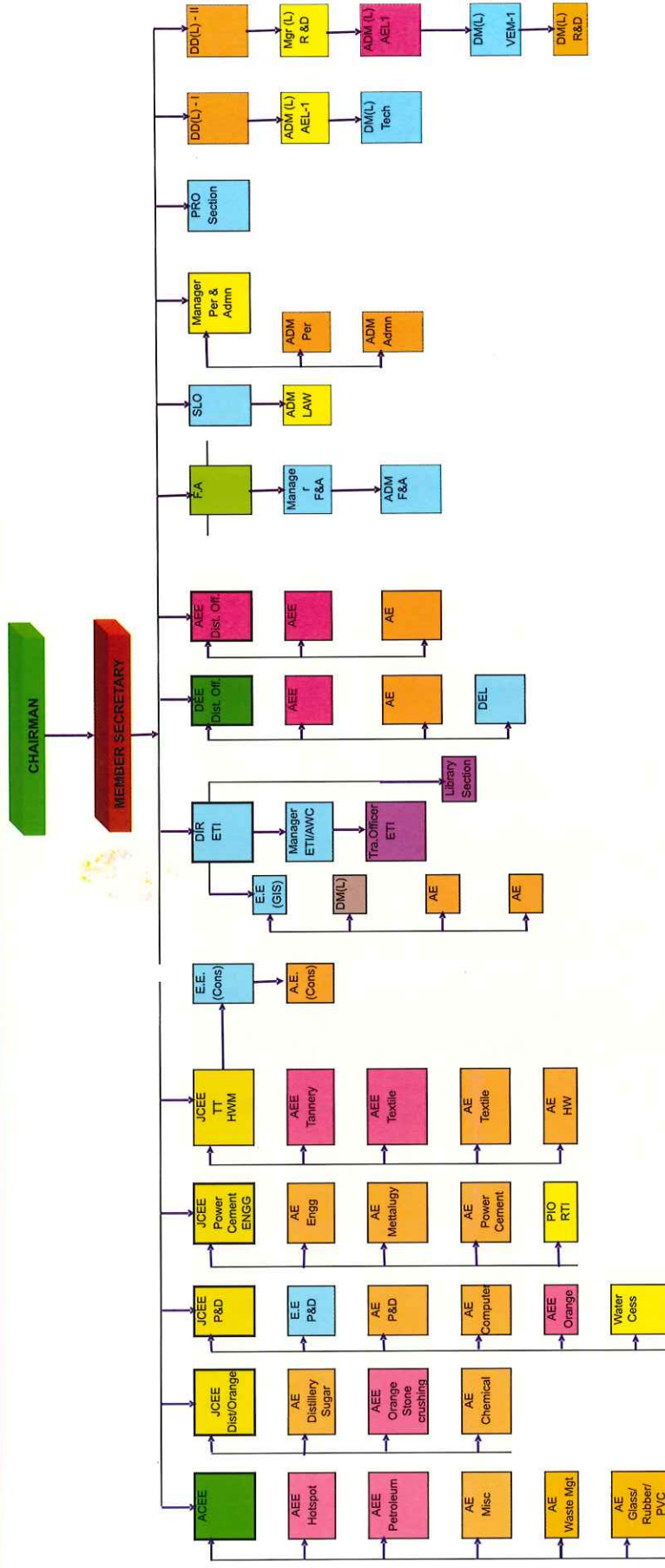
S.No.	Name & Address	Position	From	To
15	Thiru. DHEERRAJ KUMAR, I.A.S., Commissioner of Industries and Commerce, Chepauk, Chennai 600 005.	Spl. Invitee	19.06.08	29.10.09
16	Thiru. G.SUNDARAMURTHY, I.A.S., Commissioner of Industries and Commerce, Chepauk, Chennai 600 005.	Spl.Invitee	29.10.09	31.03.10
17	Dr.ANNAMALAI.I.F.S., Director of Environment Department, Ground Floor, Panagal Building, Saidapet, Chennai- 600 015.	Spl.Invitee	08.07.08	22.09.09
18	Thiru.T.S.SRINIVASA MURTHY.I.F.S., Director of Environment Department, Ground Floor, Panagal Building, Saidapet, Chennai- 600 015.	Spl.Invitee	23.09.09 Forenoon	31.03.10
19	Thiru.R.RAMACHANDRAN, Member Secretary Tamilnadu Pollution Control Board, 76 Mount Salai, Guindy, Chennai 600 032	Convener	3.1.08	31.3.10

ANNEXURE - II



ANNEXURE - III

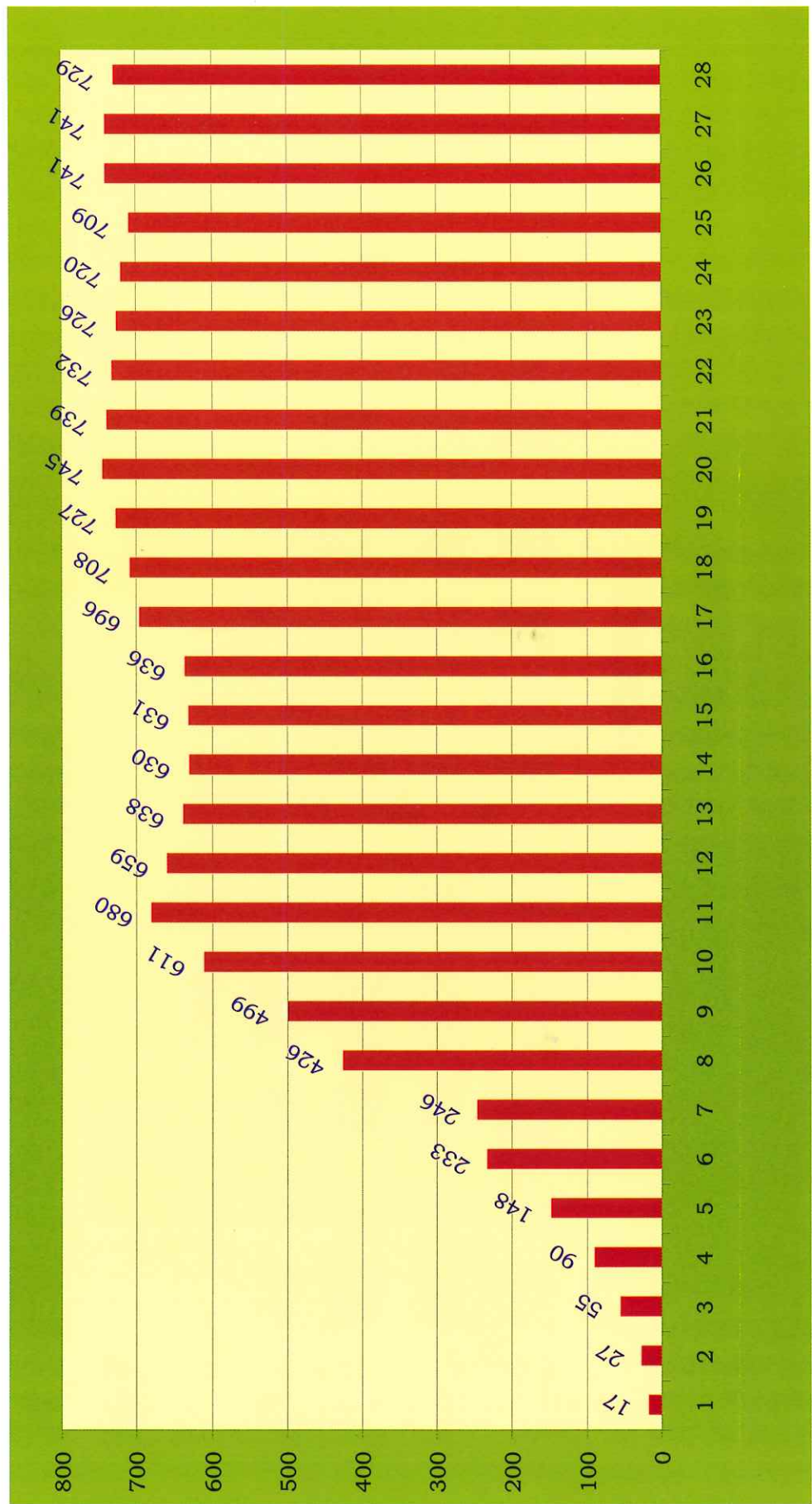
TAMILNADU POLLUTION CONTROL BOARD ORGANISATION CHART



- | | | | |
|-----------|---|--------|-----------------------------------|
| ACEE | Additional Chief Environmental Engineer | P&D | Planning and Development |
| JCEE | Joint Chief Environmental Engineer | WM | Waste Management |
| EE | Environmental Engineer | ENGG | Engineering |
| DEE | District Environmental Engineer | TTC | Tannery & Textiles |
| AEE | Asst. Environmental Engineer | PD & M | Petroleum, Distillery |
| AE | Asst. Engineer | Mis. | Miscellaneous |
| DIR | Director | Tech | Technical |
| FA | Financial Advisor | HMW | Hazardous Waste Management |
| SLO | Senior Law Officer | GIS | Geographic Information System |
| DD(IA) | Deputy Director (Internal Audit) | Cons. | Construction |
| DD(L) | Deputy Director (Lab) | ETI | Environmental Training Institute |
| AD(L) | Asst. Director (Lab) | Per | Personnel |
| ADM(L) | Additional Manager (Lab) | AMN | Administration |
| ADM | Additional Manager | AEL | Advanced Environmental Laboratory |
| Mgr(L) | Manager (Lab) | DEL | District Environmental Laboratory |
| Per & AMN | Personnel & Administration | VEM | Vehicle Emission Monitoring |
| DM | Deputy Manager | R&D | Research & Development |
| Trg. Off | Training Officer | | |
| PRO | Public Relation Officer | | |

ANNEXURE - IV

STAFF STRENGTH FROM THE YEAR 1982 TO 2009



ANNEXURE - V
STAFF STRENGTH

NAME OF THE POST	STRENGTH
Chairman	1
Member Secretary	1
Engineering Service	141
Scientific Service	83
Scientific Supporting Staff	95
Personnel/Administration/Accounts/Miscellaneous	408
Total	729
ENGINEERING SERVICE	
Additional Chief Environmental Engineer	1
Joint Chief Environmental Engineer	5
District Environmental Engineer	24
Executive Engineer (Construction)	1
Assistant Environmental Engineer	39
Assistant Engineer	63
Assistant Engineer (Automobile)	1
Assistant Engineer (Construction)	1
Technical Assistant	2
Electrical Supervisor	1

NAME OF THE POST	STRENGTH
Assistant Draughtsman	3
Sub-Total	141
SCIENTIFIC SERVICE	
Deputy Director (Labs)	-
Asst. Director (Lab)	2
Additional Manager (Labs)	6
Deputy Manager (Lab)	17
Environmental Scientist	46
Senior Meteorologist	1
Meteorologist	2
Junior Environmental Scientist	9
Sub-Total	83
SCIENTIFIC SUPPORTING STAFF	
Field Assistant	66
Lab. Attendant	29
Sub-Total	95

NAME OF THE POST	STRENGTH
PERSONNEL / ADMINISTRATION ACCOUNTS / MISCELLANEOUS	
Financial Advisor	1
Senior Law Officer	1
Deputy Director (I.A)	-
Statistical Officer	1
Manager	2
Additional Manager	6
Deputy Manager	14
Assistant Managers	27
Junior Programmer	2
General Assistants	100
Data Entry Operator	2
Assistants	48
Steno Typist	30
Typists	36
Librarian	2
Driver	57
Record Clerk	13
Telephone Operator	2
Office Assistant/Watchman	54
Despatch Rider	1
Cleaner	1
Sweeper	1
Watchman	1
Electrician	6
Sub-Total	408

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, 2009-2010

Sl.No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in mg/m ³														
			SO ₂			NOx			TSPM			RSPM					
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg			
1	CHENNAI																
a)	Kathivakkam	Industrial	19	8	12	31	11	19	340	87	181	184	35	78			
b)	Manali	Industrial	22	8	13	27	12	20	375	50	174	223	32	83			
c)	Thirvotiyur	Industrial	26	9	15	38	11	22	706	94	218	406	40	108			
2	COIMBATORE																
a)	G.D Matric School	Mixed	18	4	5	56	10	23	540	39	121	273	23	60			
b)	Pooniyarajapuram	Residential	16	4	5	50	10	23	236	33	98	153	11	51			
c)	SIDCO	Industrial	29	4	7	60	10	27	955	98	231	316	51	100			
3	THOOTHUKUDI																
a)	Raja Agencies	Industrial	38	4	15	31	5	12	670	52	254	360	20	135			
b)	AVM Buildings	Mixed	45	4	15	32	5	13	297	24	97	146	12	47			
c)	SIPCOT	Industrial	47	4	17	36	4	11	368	40	138	146	21	70			
4	MADURAI																
a)	M/s.Susee Cars & Trucks (P) Ltd., Awai Girls Higher Secondary School	Industrial	15	7	11	34	18	25	129	47	81	70	16	36			
b)	Highways project	Mixed	19	7	10	32	17	24	267	54	104	136	49	76			
c)	Buildings	Residential	15	7	10	33	18	25	227	44	97	125	24	46			
5	SALEM																
a)	Sowdeswari college building	Mixed	14	6	9	41	16	24	267	56	133	167	32	85			
	Prescribed Standard:																
i)	Industrial		80			80				360			120				
ii)	Residential, Rural & other areas(mixed)		60			60				140			60				

Note : SO₂: Sulphur di oxide NO_x: Oxides of Nitrogen TSPM: Total Suspended particulate matter
RSPM : Respirable Suspended Particulate Matter (< 10 micron size)

ANNEXURE - VII

CHENNAI AMBIENT AIR QUALITY MONITORING PROGRAMME STATUS OF AIR QUALITY DURING APRIL 2009 TO MARCH 2010

Sl. No	Station	ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS $\mu\text{g}/\text{m}^3$			
		SO ₂	NO _x	RSPM	TSPM
1	ANNA NAGAR	9	22	92	207
2	ADYAR	8	16	40	78
3	KILPAUK	10	32	110	240
4	THIYAGARAYANAGAR	12	30	143	285
5	VALLALAR NAGAR	12	35	136	315
	Prescribed Standard	60	60	60	140

Note : SO₂ : Sulphur di oxide Nox: Oxides of Nitrogen TSPM : Total Suspended Particulate matter
RSPM : Respirable Suspended Particulate Matter (<10 micron size)

ANNEXURE - VIII

STATUS REPORT OF TRICHY AIR QUALITY UNDER TRICHY AMBIENT AIR QUALITY MONITORING PROGRAMME (TAAQM) DURING 2009 - 2010

Sl.No.	Station	AVERAGE CONCENTRATIONS OF AIR POLLUTANTS, $\mu\text{g}/\text{m}^3$			
		SO ₂	NO _x	RSPM	TSPM
1	Gandhi Market	16	22	105	220
2	Mainguard Gate	15	22	96	226
3	Bishop Heber College	9	13	38	98
4	Golden Rock	9	14	37	99
5	Central Bus Stand, Trichy	17	24	137	256
Prescribed Standard		60	60	60	140

Note : SO₂ : Sulphur di oxide NO_x : Oxides of nitrogen RSPM : Respirable dust particulate matter (<10 micron size)
TSPM : Total Suspended Particulate Matter, PM_{2.5} : Particulate Matter < than 2.5micron size.

ANNEXURE - IX

STATUS OF VEHICLE TESTED AT TNPCB VEM STATIONS DURING 2009-2010

Sl. No.	Station	No. of vehicles tested	Vehicles within the limit	Vehicles exceeded the limit during first test	Vehicles complied emission standard after rectification	Vehicles not complied emission standard	% of vehicle exceeded the limit during first test
1	Chennai city	22,012	21,504	1,668	1,160	508	7.58%

ANNEXURE - XA

CAUVERY RIVER WATER QUALITY (UNDER GEMS PROGRAMME) 2009-2010

S. No	Name of Station	pH	D.O mg/L	BOD at 27°C mg/L	Nitrate mg/L	Total coliform MPN/100 ml	Faecal coliform MPN/100 ml	Nitrite \ mg/L	DBU Class
1	MUSIRI FERRY GATE	8.40	7.90	0.62	0.08	340	158	0.05	B
2	MUSIRI BORE WELL	6.95	6.3	0.305	0.12	215	65	0.01	B
3	METTUR	8.20	7.16	2.02	0.11	363	162	0.11	B
4	PALLIPALAYAM	8.09	6.30	1.67	0.14	528	261	0.08	C
	*TOLERANCE LIMIT	6.5-8.5	5	3	-	500	200	-	B
		6.5-8.5	4	3	50	5000	2000	-	C

***CPCB-GEMS / MINARS Water quality criteria**

DBU Class-Designated Best Use

B-Outdoor bathing (organised)

C-Drinking water source after conventional treatment and disinfection

mg/L-milligram per liter

MPN-Most probable number

DO - Dissolved Oxygen

BOD - Biochemical Oxygen Demand

Cl - Chlorides

SO4 - Sulphates

NO3 - Nitrates

FC - Faecal Coliform

TC - Total Coliform

ANNEXURE - XB

CAUVERY RIVER WATER QUALITY (UNDER MINARS PROGRAMME) 2009-2010

S. No	Name of Station	pH	D.O mg/L	BOD at 27°C mg/L	Nitrate mg/L	Total coliform MPN/100 ml	Faecal coliform MPN/100 ml	Nitrite mg/L	DBU Class
1	Pathira kaliyamman koil	7.81	8.4	0.6	0.10	304	131	0.01	B
2	Trichy U/S	8.37	7.5	1.0	0.11	330	143	0.01	B
3	Grand Anaicut	8.22	7.9	2.2	0.19	471	235	0.37	C
4	Sirumugai	7.63	7.9	1.0	0.19	270	107	0.02	B
5	Bhavani	7.94	5.5	1.5	0.16	471	238	0.11	C
6	Karunthattankudi	8.04	10.9	0.7	0.10	325	190	0.02	B
7	Madathukulam	7.92	8.3	1.0	0.13	309	150	0.01	B
8	Erode	7.88	3.6	7.6	0.11	2215	1019	0.62	D
9	Bhavani sagar	7.68	6.8	1.1	0.15	339	153	0.1	C
10	R.N.Pudur	8.06	6.5	1.2	0.10	374	172	0.1	B
11	P.Velur	8.22	7.6	1.1	0.17	339	151	0.09	B
12	Mohanur	8.15	7.4	1.3	0.11	329	143	0.06	B
13	Trichy D/S	8.09	6.0	4.5	0.10	2568	640	0.004	C
14	Coleroon	8.15	7.2	1.3	0.14	286	119	0.07	B
15	Pitchavaram	8.00	7.2	1.5	0.11	351	178	0.03	B
16	Thirumukkudal	8.46	7.8	0.7	0.10	293	123	0.006	B
*TOLERANCE LIMIT		6.5-8.5	5	3	-	500	200	-	B
		6.5-8.5	4	3	50	5000	2000	-	C

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

B-Outdoor bathing (organised)

C-Drinking water source after conventional treatment and disinfection

mg/L-milligram per liter

MPN-Most probable number

ANNEXURE - XI

TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME)-2009-2010

S. No	Name of Station	pH	D.O mg/L	BOD at 27oC mg/L	Nitrate mg/L	Total coliform MPN/100 ml	Faecal coliform MPN/100 ml	Nitrite mg/L	DBU Class
1	PAPANASAM	6.84	0.05	7.46	1.37	154	92	0.01	B
2	CHERANMADEVI	6.89	0.08	7.44	1.47	142	80	0.034	B
3	KOKIRAKULAM	7.01	0.10	6.91	2.53	377	258	0.05	C
4	MURAPANADU	7.19	0.08	7.11	1.75	180	101	0.04	B
5	THIRUPUDAIMARUDUR	6.94	0.07	7.07	1.71	168	90	0.03	B
6	AMBASAMUDRAM	6.81	0.06	7.32	1.58	153	93	0.03	B
7	AUTHOOR	7.31	0.12	7.37	2.38	309	202	0.06	C
	*TOLERANCE LIMIT	6.5-8.5	5	3	-	500	200	-	B
		6.5-8.5	4	3	50	5000	2000	-	C

*CPCB-GEMS / MINARS Water quality criteria
 B-Outdoor bathing (organised)
 C-Drinking water source after conventional treatment and disinfection
 mg/L-milligram per liter
 MPN-Most probable number

ANNEXURE - XII

PALAR & VAIGAI RIVER WATER QUALITY (UNDER MINARS PROGRAMME) 2009-2010

S.NO	NAME OF RIVER	pH	Nitrate mg/L	D.O mg/L	BOD at 27° C mg/L	Total coliform MPN/100 ml	Faecal coliform MPN/100 ml	Nitrite mg/L	DBU Class
1	Palar	7.46	0.26	6.60	2.75	273	163	0.03	B
2	Vaigai	7.51	0.527	6.5	2.80	6	2	0.041	B
*TOLERANCE LIMIT		6.5-8.5	5	3	-	500	200	-	B

*CPCB-GEMS / MINARS Water quality criteria
 B-Outdoor bathing (organised)
 mg/L-milligram per liter
 MPN-Most probable number

ANNEXURE - XIII-A

LAKE WATER QUALITY (UNDER MINARS PROGRAMME) 2009-2010

S.NO	NAME OF LAKE	pH	Nitrate mg/L	D.O mg/L	BOD at 27° C mg/L	Total coliform MPN/ 100 ml	Faecal coliform MPN/ 100 ml	Nitrite mg/L	DBU Class
1	Udhagamandalam	7.26	2.48	4.68	13	150545	111443	4.82	D
2	Kodaikanal	6.51	0.23	6.06	7	29	12	0.004	D
3	Yercaud	7.63	0.15	6.63	3	743	436	0.02	C
*TOLERANCE LIMIT		6.5-8.5	4	3	50	5000	2000	-	C
		6.5-8.5	4	-	-	-	-	-	D

*CPCB-GEMS / MINARS Water quality criteria
 C-Drinking water source after conventional treatment and disinfection
 D-Propagation of wildlife and fisheries
 mg/L-milligram per liter
 MPN-Most probable number

ANNEXURE - XIII-B

MONITORING OF CHENNAI CITY WATERWAYS - 2009-2010

Sl.No.	Source	TSS mg/l	BOD mg/l	COD mg/l
1	Adyar	58	42	154
2	Buckingham Canal	154	89	253
3	Cooum	64	46	135
4	Otterinullah	120	60	159

ANNEXURE - XIV

PERFORMANCE OF LABORATORIES (Period : April 2009 March 2010)

S.No.	Name of the Laboratory	Water Samples				Air Survey				Air Project				Noise				
		Effluent		Projects		Studge/Soil/Fuel/ Others	Total	No. of Industries	AAQS Stations	SM Stations	CAAQM	NAMP	TAAQM	Spl Project	Industry		Complaints	
		Regular	Complaints	GEMS	MINARS										CCWW	No. of Industries	No. of Stations	No. of Industries
Advanced Environmental Laboratory																		
1	Chennai	2,410	75	46	1,160	63	3,754	102	510	158	1,397			60	89	549	15	44
2	Madurai	1,045		10			1,055	84	453	162		949			82	716	5	78
3	Salem	2,307		30	179		2,643	75	424	176		410			73	696	7	73
District Environmental Laboratory																		
4	Ambattur	1,099					1,099	88	502	365		999			82	415	6	30
5	Coimbatore	1,183					1,183	68	383	157		1,320	6	63	510	12	75	
6	Cuddalore	886					886	66	414	140				55	291	4	19	
7	Dindigul	607					607	56	330	100				56	340			
8	Hosur	1,056					1,056	92	496	271			2	92	727	1	27	
9	Manali	1,003					1,003	52	309	178				52	292			
10	Trichy	1,247					1,247	108	575	182		753	2	103	572	6	25	
11	Tirunelveli	775			68	20	863											
12	Tiruppur	1,655					1,655	63	290	163				59	312	2	10	
13	Vellore	1,332					1,332	67	376	378			4	67	424	4	17	
Mobile Environmental Laboratory																		
14	Thoothukudi							52	305	100		1,005	80	32	155	3	20	
	Total	16,605	75	30	303	83	18,256	973	5,367	2,530	1,397	4,683	833	74	905	5,999	65	418

GEM = Global Environmental Monitoring System, MINARS = Monitoring of Indian Aquatic Resources, CCWW = Chennai City Water Ways Project
 AAQs = Ambient Air Quality Monitoring, SM = Stack Monitoring Survey, TAAQM = Trichy Ambient Air Quality Monitoring Project, CAAQM = Chennai
 Ambient Air Quality Monitoring Project and NAMP = National Ambient Air Quality Monitoring Project.

ACCOUNTS

AUDITOR'S REPORT TO
THE MEMBERS OF THE TAMILNADU POLLUTION CONTROL BOARD
FOR THE YEAR ENDED 31st MARCH 2010

We have audited the attached Balance Sheet of Tamil Nadu Pollution Control Board as at March 31, 2010 and also the Receipts and payments account, 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 financial statements presentation. 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 so far as it appears from our examination of those books.
3. The attached Balance Sheet, Receipts and Payments account, Income and Expenditure account which are set out as provided in Rule 36 of the Tamilnadu Water (prevention and control of pollution) Rules 1983 and dealt with by this report are in agreement with the books of accounts.
4. In our opinion and to the best of information and according to the explanations given to us, the said accounts read with the schedules thereto and the notes thereon attached here to subject to the following
 - a. Refer point no V(e) of the notes to accounts with respect to Land advance of Rs.48.48 lakhs which is outstanding for a long time, recoverability of which is presently not ascertainable.

- b. Refer point no. V(f) of the notes to accounts with respect to Advance to suppliers for purchase of fixed assets and other expenditure for an amount of Rs 71.23 lakhs is outstanding for more than one year and requires adjustment in the books of accounts.
- c. Refer point no V (g) of the notes to accounts with respect to non recoverability of cess amounting to Rs.368.13 crores due from industries and local bodies in turn to be remitted to the Ministry of Environment Forest, Government of India.

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 31, 2010 and
- (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 2010
- (c) In the case of the Income and Expenditure account of the excess of Income over Expenditure for the year ended 31st March 2010

Place: Chennai
Date : 30-12-2010

For K RAMKUMAR & CO
Firm Registration No:02830S
Chartered Accountants

(R RAGHAVENDRAN)
Partner
(Membership.No.26480)

TAMIL NADU POLLUTION

Receipts and Payments for

See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR	RECEIPTS	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs. Ps.		Rs. Ps.	Rs. Ps.
	A. OPENING BALANCE		
52908651.90	a. Bank	97987437.81	
23040.00	b. Cash	16460.00	
4435835.00	c. Funds in Transit	2295512.00	100299409.81
	B. GRANTS RECEIVED		
-	a. From Government	-	
-	b. From other Agencies	-	
-	c. Schemes	200000.00	200000.00
	C. FEES		
-	a. Consultant Registration Fees	-	
1131944.00	b. Cost of Application	1017020.00	
215013239.00	c. Consent Fees	745988350.41	
78398720.50	d. Cess Collection	55639956.00	
23910.00	e. Fees for handling H. Waste	25730.00	802671056.41
39365092.00	D. Services & Rental Charges (Lab Analysis ChargesSch - A)		85631621.00
39846704.00	E. INTEREST ON INVESTMENT		62985255.91
	F. MISCELLANEOUS		
73900513.50	a. Others(Schedule-B)	72897710.00	
	b. Cess Re-imburement	120617633.00	193515343.00
505047649.90	C/o		1245302686.13

CONTROL BOARD, CHENNAI - 600 032

the year ended 31 March 2010.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		PAYMENTS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
13926428.00		A. CAPITAL EXPENDITURE				
1622319.00		a. Assets - Land and Building	3921919.00			
-		b. Laboratory Equipment	2350434.00			
700623.00		c. Vehicles	-			
507727.00		d. Furniture	933881.00			
92189.00		e. Office Appliance	1226068.00			
2000112.00		f. Library Books	116038.00			
5334333.00		g. Electrical Installation	1658784.00			
		h. Computer	1009930.00			11217054.00
		B. REVENUE EXPENDITURE				
		A. ADMINISTRATIVE				
176182163.10		a. Salaries	211974293.54			
26470136.00		b. Pension & Gratuity Contribution	13908535.00			
6058746.00		c. Surrender Leave Salary	8447113.00			
1384840.00		d. Bonus	1656767.00			
2003315.00		e. Medical Expenses	2447789.00			238434497.54
		B. BOARD LABORATORY				
2493931.00		a. Running Expenses of Lab.	1071376.00			
503811.00		b. Lab. Chemicals etc.,	658385.00			1729761.00
		C. RUNNING & MAINTENANCE OF VEHICLE				5453003.00
6858482.00						783795.00
235462.00		D. SCHEME				
246374617.10		C/o				257618110.54

TAMIL NADU POLLUTION

Receipts and Payments for

See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR	RECEIPTS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
		Rs.	Ps.	Rs.	Ps.
505047649.90	B/F				
	G. DEPOSITS & ADVANCES				1245302686.13
113300.00	a. Earnest Money Deposit	978900.00			
160153.00	b. Security Deposit	175941.00			
939525.60	c. Advance to Staff (Sch. - C)	1057323.00			
620936789.00	d. Short Term Deposit	1352454119.00			
-	e. Telephone Deposit	22.00			
-	f. Other Deposit	724.00			
-	g. R.P.G.Deposit	-			1354667029.00
105185745.45	H. OTHERS (Schedule - D)				356264310.03
1232383162.95	Total				2956234025.16

Sd/-
K.Chitra, B.Com,MBA,FCA.,
Manager (F&A)

Sd/-
M. Shanthi, BA.,
Financial Adviser

Sd/-
R.Ramachandran ME(PH)
Member Secretary

Chennai - 600 032
Date: 30/12/2010

CONTROL BOARD, CHENNAI - 600 032

the year ended 31 March 2010.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		PAYMENTS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
246374617.10		B/F				257618110.54
		E. MAINTENANCE & REPAIRS				
190035.00		a. Buildings	3471773.00			
107022.00		b. Furniture & Fixture	63841.00			
240932.00		c. Scientific instruments	720890.00			
1480101.00		d. Office Appliance	615450.00			
7048.00		e. Electrical Installation	680667.00			
-		f. Insurance of Assets	38504.00			
199952.00		g. Other Assets	326756.00			5917881.00
		F. FEES TO CONSULTANTS & SPECIALISTS				65711.00
62352.00						
190170.00		G. LAW CHARGES				496427.00
-		H. AUDIT FEES				26708.00
75003970.04		I. MISCELLANEOUS (Schedule-E)				66975072.83
78804849.00		C. CESS REMITTANCE				90695675.00
9593360.00		D. ADVANCE (Schedule - F)				6373067.00
		E. DEPOSITS				
708237158.00		a. Short Term Deposits	2321333985.00			
11592187.00		b. Others (Schedule - G)	15581376.35			2336915361.35
		F. CLOSING BALANCE				
97987437.81		a. Bank	191053729.44			
16460.00		b. Cash	770.00			
2295512.00		c. Funds in Transit	95512.00			191150011.44
1232383162.95		Total				2956234025.16

Subject to our report of even date & Schedules + Notes attached for M/s. K. Ramkumar & Co, FR. No. 2830S Chartered Accountants

Sd/-
Dr. V. Irai Anbu IAS
Chairman

Sd/-
R.Raghavendran [M.No.26480]
Partner

ANNUAL STATEMENT
Income and Expenditure Account
See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR	EXPENDITURE	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
		Rs.	Ps.	Rs.	Ps.
1609080.00	A. Administrative				
91733567.00	a. Pay of officers	1946489.00			
94660877.00	b. Pay of Establishment	128673662.00			
	c. Allowance & Honororia(Schedule-H)	96996862.00			
99559398.00	d. Contribution to Gratuity & Provision for Pension	154442376.00			
13955406.00	e. Surrender Leave Salary	21909597.00		403968986.00	
1406451.54	B. Running Expenses of Labs.			1959989.87	
6182631.00	C. Running and Maintenance of Vehicle(Schedule-I)			6230999.00	
147668.00	D. Maintenance and Repairs				
2540134.00	a. Furniture & Fixtures	70780.00			
1014171.00	b. Lab. Equipments & Instruments	1875271.00			
1034974.00	c. Office Appliance & Others	1087122.00			
1652496.00	d. Electrical Installation	1018256.00			
	e. Building	2995689.00		7047118.00	
80775.00	E. Fees to Consultants and Specialists			75312.00	
210734.00	F. Law Charges			431911.00	
28090.00	G. Fees for Audit			28090.00	
64361684.44	H. Miscellaneous (Schedule-J)			65350215.07	
11457658.00	I. Depreciation (Form XV)			15993203.21	
848511.00	J. Prior Period Adj.Account			1141066.79	
177992295.58	K. Excess of income over Exp.trf to B/S			774646980.73	
570476601.56	Total			1276873871.67	

Sd/-
K.Chitra, B.Com,MBA,FCA.,
Manager (F&A)

Sd/-
M. Shanthi, BA.,
Financial Adviser

Sd/-
R.Ramachandran ME(PH)
Member Secretary

Chennai - 600 032
Date: 30/12/2010

OF ACCOUNT

for the year ended 31st March 2010.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR	INCOME		TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		A. Grants received				
	-	a. From Government		-		
	-	b. From other Agencies		-		
	-			-		
	-	Less: Amount utilised for Capital Expenditure		-		
	-	Net Grant available for Revenue Expenditure		-		-
322922139.00		B. Fees (Schedule-K)			852276665.41	
		C. Services & Rental Charges (Schedule-L)			81391090.00	
		D. Miscellaneous Receipts				
4589395.50		a. Others (Schedule-M)	8795985.00			
67395298.00		b. Cess Reimbursement	120617633.00		129413618.00	
135578757.06		E. Interest on Investment			210310746.26	
		F. Prior Period Adj.Account			3481752.00	
570476601.56		Total			1276873871.67	

Subject to our report of even date & Schedules + Notes attached
for M/s. K. Ramkumar & Co, FR. No. 2830S
Chartered Accountants

Sd/-
Dr. V. Irai Anbu IAS
Chairman

Sd/-
R.Raghavendran [M.No.26480]
Partner

ANNUAL STATEMENT
Balance Sheet
See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR		LIABILITIES	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
		A. CAPITAL FUND				
		a. Grants				
54526922.18		i. Grants received from Govt. for capital exp. upto 2004-05.	54526922.18			
	-	ii. Grants received from Govt. for capital exp. During the current year and utilised.		-		
	-	iii. Grants received towards specific schemes from other agencies		-		
		iv. Less: Amount transferred to Depreciation Fund		-		54526922.18
		b. Excess of Income over Expenditure				
1275676966.92		i. As at 01.04.09	1442211604.50			
177992295.58		ii. Add: Surplus during the year	774646980.73			
			2216858585.23			
(11457658.00)		iii. Less: Amount transferred to Depreciation Fund	17069087.00			2199789498.23
		B. Earmarked Fund(Schedule-T)				
575091757.00		a. Pension Fund	751166042.00			
279691610.86		b. Depreciation Fund	313542194.51			
3363250.00		c. CETP Development Fund	3363250.00			
62028365.00		d. Earn leave encashment Fund	79212551.00			1147284037.51
		C. Other Deposits				
28364135.56		a. Deposits for supply & works (Schedule -N)	39410686.56			
32587126.05		b. Refundable P.G. Deposits	32587126.05			
229000.00		c. Eco Devlpt. Measure Deposit	3729000.00			75726812.61
		D. Amount Due				
3374401013.55		a. Cess Payable	3765196415.44			
(1261347.00)		Less: Cess unrecoverable	6699440.00			3758496975.44
15623671.14		b. Others(Schedule -O)				20712658.84
5866857108.84		C/o				7256536904.81

OF ACCOUNT

as on 31st March 2010.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		ASSETS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
		A. FIXED ASSETS				
8641088.65		a. Land Development	8641088.65			
46783415.00		b. Buildings Under Construction	50954336.00		59595424.65	
		B. OTHER ASSETS				
62183052.08		a. As per Form XV			65114168.43	
		b. Stock in hand				
1297170.28		i. Lab Chemicals	1334790.85			
794101.62		ii. Glassware	811818.98			
212462.14		iii. Misc. Stores	201749.48			
1512169.66		iv. Filter Paper	1087168.52		3435527.83	
		C. SUNDRY DEBTORS				
		a. Cess Receivable				
2835922144.97		i. From Industries	3077810671.86			
527547867.80		ii. From Local Bodies	681776111.80			
			3759586783.66			
(1261347.00)		Less: Cess unrecoverable	6699440.00		3752887343.66	
		b. Amount Receivable - PWD			20000.00	
20000.00						
		c. Project Study - Receivable			7484077.00	
6328132.00						
		D. ADVANCES & DEPOSITS				
		a. Misc. amounts recoverable				
186077332.15		(Schedule - Q)	333220124.15			
		b. Others amounts recoverable				
12182301.00		(Schedule - R)	12034414.00			
		c. Deposits				
2172780.00		(Schedule - S)	2274380.00		347528918.15	
3690412670.35		C/o			4236065459.72	

ANNUAL STATEMENT
Balance Sheet
See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR		LIABILITIES	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
5866857108.84		B/f			7256536904.81	
264956.98		E. Environmental Impact Study			264956.98	
105082931.00		F. Income received in advance (Schedule - P)			374910006.03	
21498500.00		G. Subsidies for common Effluent treatment plants			21498500.00	
1189893.34		H. Environmental Education Fund Reserve			1189893.34	
500000.00		I. Emergency response centre			500000.00	
692000.00		J. C P C B Green Belt			692000.00	
1730077.00		K. Schemes			1930077.00	
1837500.00		L. Sponership for Schemes			1024250.00	
5999652967.16		Total			7658546588.16	

Sd/-
K.Chitra, B.Com,MBA,FCA.,
Manager (F&A)

Sd/-
M. Shanthi, BA.,
Financial Adviser

Sd/-
R.Ramachandran ME(PH)
Member Secretary

Chennai - 600 032
Date: 30/12/2010

OF ACCOUNT

as on 31st March 2010.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR	ASSETS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
		Rs.	Ps.	Rs.	Ps.
3690412670.35	B/f			4236065459.72	
	E. INVESTMENTS				
575091757.00	1. Pension Fund Investment	751166042.00			
279691610.86	2. Depreciation Fund Investment	313542194.51			
	3. Refundable Performance -				
32587126.05	Guarantee Deposit Investment	32587126.05			
62028365.00	4. EL Encashment Fund Inv.	79212551.00			
3363250.00	5. CETP Develop. Fund Investment	3363250.00			
1256178778.09	6. Other term deposits	2051459953.44		3231331117.00	
	F. CASH & BANK BALANCE				
97987437.81	a. Balance with Banks	191053729.44			
16460.00	b. Cash in Hand	770.00			
2295512.00	c. Funds under Transit	95512.00		191150011.44	
5999652967.16	Total			7658546588.16	

Subject to our report of even date & Schedules + Notes attached
for **M/s. K. Ramkumar & Co, FR. No. 2830S**
Chartered Accountants

Sd/-
Dr. V. Irai Anbu IAS
Chairman

Sd/-
R.Raghavendran [M.No.26480]
Partner

FORM - XV

ANNUAL STATEMENT OF ACCOUNTS - FIXED ASSETS AS ON 31st MARCH 2010.

See Rules 36 of Tamil Nadu Water (Prevention and control of Pollution) rules 1983.

Sl. No.	Particulars of Assets	Rate of Depreciation	Opening Balance on 01/04/2009		Additions and Adjustment during the year		Total		Depreciation		Closing Balance on 31/03/2010		Cumulative Depreciation on 31/03/2010	
			Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
1	Building	10.00%	29120145.20		234045.00		29354190.20		2924647.00		26429543.20		82462461.40	
2	Computer	60.00%	4838051.13		1020784.00		5858835.13		3050097.00		2808738.13		10613396.87	
3	Electrical Installations	15.00%	3095479.68		1485000.00		4580479.68		687682.00		3892797.68		2604187.43	
4	Furniture & Fixture	10.00%	5530897.31		941170.00		6472067.31		610769.00		5861298.31		12366391.92	
5	Lab Equipment	33.33%	6451450.65		4854571.00		11306021.65		4075956.00		7230065.65		69947293.99	
6	Library Books	10.00%	1832948.93		120388.00		1953336.93		192099.00		1761237.93		3490922.10	
7	Office Appliance	10.00%	5451956.08		1352814.00		6804770.08		617933.00		6186837.08		8729292.06	
8	Vehicle	33.33%	5862123.10		9991431.35		15853554.45		4909904.00		10943650.45		25373508.68	
	Total		62183052.08		20000203.35		82183255.43		17069087.00		65114168.43		215587454.45	

Subject to our report of even date & Schedules + Notes attached
for **M/s. K. Ramkumar & Co, FR. No. 2830S**
Chartered Accountants

Sd/-

K. Chitra, B.Com, MBA, FCA.,
Manager (F&A)

Sd/-

M. Shanthi, BA.,
Financial Adviser

Sd/-

R. Ramachandran ME(PH)
Member Secretary

Sd/-

Dr. V. Irai Anbu IAS
Chairman

Sd/-

R. Raghavendran [M.No.26480]
Partner

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

RECEIPTS

SCHEDULE - A

SERVICES & RENTAL CHARGES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Air Ambient Quality Survey	46878503.00	
2	Analysis Charges	29268925.00	
3	Bio Medical Management	1433900.00	
4	Cess Appeal Fees		1400.00
5	GEMS / MINARS / NAMP	238053.00	
6	Noise Leavel Measurement	514110.00	
7	SEIAA Processing Fees	5600000.00	
8	VEM Test Fees	1696730.00	
	TOTAL	85631621.00	

SCHEDULE - B

MISCELLANEOUS RECEIPTS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Eco Development Measures	3500000.00	
2	Environment Training Institute	216200.00	
3	Interest on Loans & Advance		6893.00
4	Miscellaneous Income	62727065.00	
5	Others	39250.00	
6	Prior period Adustment account	3388852.00	
7	Public Hearing	2651597.00	
8	Right to Information Fees	61262.00	
9	Sale of legal Books	16925.00	
10	Training & Seminar	289666.00	
	TOTAL	72897710.00	

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

SCHEDULE - C

ADVANCE TO STAFF (Receipts)

SL.NO	DESCRIPTION	Rs.	Ps.
1	Festival Advance	12548.00	
2	Handloom Advance	7800.00	
3	Leave Travel Concession	3194.00	
4	Staff claim	441038.00	
5	Temporary Advance	473116.00	
6	Tour Advance	81127.00	
7	Vehicle Advance	38500.00	
	TOTAL	1057323.00	

SCHEDULE - D

ADVANCES AND DEPOSITS

SL.NO	DESCRIPTION	Rs.	Ps.
1	A.A.Q.S received in advance	2596668.00	
2	Cess received in advance	9991158.00	
3	Consent Fees received in advance	332701125.03	
4	Flag Day collection	176500.00	
5	Others - Court Deposit	10798859.00	
	TOTAL	356264310.03	

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

PAYMENT

SCHEDULE - E

MISCELLANEOUS

SL.NO	DESCRIPTION	Rs.	Ps.
1	AAQS Expenses	38280.00	
2	Advertisement & Publicity	248536.00	
3	Appellate Authority Expenses	104113.00	
4	Bank interest and commission	92863.83	
5	Board Meeting Expenses	271517.00	
6	Contract Charges / Wages	11273164.00	
7	Conveyance	316869.00	
8	Electricity / Water Charges	6576372.00	
9	Entertainment	205543.00	
10	Environmental Pavilion Expenses	274456.00	
11	Environmental Study Expenses	475771.00	
12	ETI Expenses	33799.00	
13	Expenses of Audit	15579.00	
14	Family Benefit Fund	13397.00	
15	Land Maintenance Expenses	89760.00	
16	Leave Travel Concession	43432.00	
17	Miscellaneous Expenses	532600.00	
18	Newspaper & periodicals	207877.00	
19	Office Expenses	1769641.00	
20	Outstanding Expenses	3325803.00	
21	Petty Cash Expenses	700912.00	
22	Pollution Awareness Expenses	18554571.00	
23	Postage / Telegram	1350567.00	
24	Printing and Stationery	3259963.00	
25	Prior Period Expenses	12052.00	
26	Project Study	1486253.00	
27	Property tax	784090.00	
28	Public Hearing	1443261.00	
29	Rent	3902199.00	
30	Staff Welfare Expenses	1822247.00	
31	State Environmental Impact Authority Exp.	1370187.00	
32	Telephone and Telex	2623600.00	
33	Trade Fair	232243.00	
34	Training and Seminar	280009.00	
35	Travelling expenses	3059401.00	
36	Turn duty and Overtime Allow.	83484.00	
37	Vehicle Monitoring Station Exp	33102.00	
38	Zoning Atlas Exp.	67559.00	
	TOTAL	66975072.83	

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

PAYMENT

SCHEDULE - F

ADVANCE TO STAFF (PAYMENT)

SL.NO	DESCRIPTION	Rs.	Ps.
1	Festival Advance	837800.00	
2	Handloom Advance	189750.00	
3	Imprest	28293.00	
4	Leave Travel Concession	30950.00	
5	Marriage Advance	10117.00	
6	Motor Vehicle Advance	266575.00	
7	Other Advance	5000.00	
8	Pay Advance	30000.00	
9	Personal Computer Advance	1926560.00	
10	Temporary Advance	2549767.00	
11	Tour Advance	498255.00	
	TOTAL	6373067.00	

SCHEDULE - G

DEPOSITS AND ADVANCES (PAID) (OTHERS)

SL.NO	DESCRIPTION	Rs.	Ps.
1	Advance to Suppliers	12821619.35	
2	Earnest Money Deposit	884310.00	
3	Electricity Deposit	1600.00	
4	Other Advance	128803.00	
5	Rent Advance	140490.00	
6	Retention Money Deposit	20093.00	
7	Security Deposit	265698.00	
8	Tax Deducted at Source (Others)	1223056.00	
9	Telephone & Telex Deposit	95707.00	
	TOTAL	15581376.35	

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2010.**

EXPENDITURE

SCHEDULE - H

ALLOWANCES AND HONORARIA

SL.NO	DESCRIPTION	Rs.	Ps.
1	Allowances	65508411.00	
2	Bonus	1675767.00	
3	Contributory Pension Scheme	1416374.00	
4	E.P.F. for Deputationist	3984.00	
5	Health Insurance	166522.00	
6	Leave Travel Concession Expenses	77638.00	
7	Medical Reimbursement	2072847.00	
8	Pay Commision Arrears	22750975.00	
9	Special Provident Fund-Board's Contribution	40000.00	
10	Travelling Expenses	3194358.00	
11	Turn Duty and Overtime Allowances	89986.00	
	TOTAL	96996862.00	

SCHEDULE - I

RUNNING AND MAINTENANCE OF VEHICLES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Fuel	4251069.00	
2	Hire Charges	343202.00	
3	Insurance	513141.00	
4	Repairs	1123587.00	
	TOTAL	6230999.00	

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

EXPENDITURE

SCHEDULE - J

MISCELLANEOUS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Air Ambient Quality Survey Expenses		71560.00
2	Advertisement & Publicity		251123.00
3	Appellate Authority Expenses		1545926.00
4	Bank Charges		87128.83
5	Board Meeting / Other meeting Expenses		551451.00
6	Contract Charges / Wages		11838634.00
7	Conveyance Expenses		401498.00
8	D.E.E. - Legal sample Expenses		205749.00
9	Electricity & Water Charges		7309835.00
10	Entertainment Expenses		234534.00
11	Environmental Pavilion Expenses		304019.00
12	Environmental Study Expenses		894597.00
13	Environmental Training Institute Expenses		245350.00
14	Expenses of audit		17535.00
15	Insurance of Assets		38504.00
16	Land Maintenance Expenses		83310.00
17	Newspaper and Periodicals		263538.00
18	Office Expenses		2026049.25
19	Pollution Awareness Expenses		19023194.00
20	Postage Expenses		1472410.00
21	Printing & Stationery		3359781.00
22	Property Tax and Rates		784090.00
23	Rent on Buildings		4041156.00
24	Staff Welfare Expenses		2089055.00
25	State Environmental Impact Authority Exp.		4454995.00
26	Sundries		390853.00
27	Telephone Expenses		2818342.99
28	Trade Fair Expenses		300909.00
29	Training and Seminar Expenses		123887.00
30	Vehicle Monitoring Station Expenses		33652.00
31	Zoning Atlas Scheme Expenses		87549.00
	TOTAL		65350215.07

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2010.**

INCOME

SCHEDULE - K

FEEES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Consent Fees		851255465.41
2	Consent Forms		1021200.00
	TOTAL		852276665.41

SCHEDULE - L

SEVICE AND RENTAL CHARGES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Air Ambient Quality Survey		49347618.00
2	Analysis Charges		29596572.00
3	NAAQM / NAMP / GEMS		238053.00
4	Noise level survey fees		512117.00
5	Vehicle Emission Monitoring Test Fees		1696730.00
	TOTAL		81391090.00

SCHEDULE - M

MISCELLANEOUS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Bio-Medical Waste Authorisation Fees		1436650.00
2	Cess Appeal Fees		1400.00
3	Environmental Training Inst. - Course fees		216200.00
4	Fees for Right to Information		61262.00
5	Hazardous Waste Authorisation Fees		61750.00
6	Interest on Loans & Advance		169701.00
7	Miscellaneous Income		334951.00
8	Public Hearing		897196.00
9	Sale of Books		16875.00
10	SEIAA Processing Fees		5600000.00
	TOTAL		8795985.00

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2010.**

LIABILITIES

SCHEDULE - N

OTHER DEPOSITS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Earnest Money Deposit	1784149.20	
2	Enlistment Deposits	219500.00	
3	Others	35197905.23	
4	Retention Money Deposits	809567.48	
5	Security Deposits	1399564.65	
	TOTAL	39410686.56	

SCHEDULE - O

SUNDRY CREDITORS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Others	676554.00	
2	Outstanding Liability	16386702.84	
3	Pay Roll Liabilities	2804314.00	
4	Staff Claim Payable	793438.00	
5	Tax Deducted at Source (Officers)	51650.00	
	TOTAL	20712658.84	

SCHEDULE - P

INCOME RECEIVED IN ADVANCE

SL.NO	DESCRIPTION	Rs.	Ps.
1	Cess Fees	10864141.00	
2	Consent Fees	364045865.03	
	TOTAL	374910006.03	

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2010.**

ASSETS

SCHEDULE - Q

MISCELLANEOUS ADVANCES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Advance to Suppliers	11692812.00	
2	Interest Receivable	314310729.00	
3	Land Advance	4848911.00	
4	Other Advance	1131464.00	
5	Rent Advance	1236208.15	
	TOTAL	333220124.15	

SCHEDULE - R

ADVANCES TO STAFF

SL.NO	DESCRIPTION	Rs.	Ps.
1	Festival Advance	476725.00	
2	Handloom Advance	99007.00	
3	Imprest	7000.00	
4	Leave Travel Concession Advance	1864.00	
5	Marriage Advance	37695.00	
6	Motor Vehicle Advance	1826715.00	
7	Pay Advance	30000.00	
8	Personal Computer Advance	9060706.00	
9	Temporary Advance	291867.00	
10	Tour Advance	202835.00	
	TOTAL	12034414.00	

SCHEDULE - S

DEPOSITS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Customs Deposit	151973.00	
2	Electricity Deposit	950264.00	
3	Gas Deposit (Miscellaneous deposit)	131746.00	
4	Telephone & Telex Deposit	1040397.00	
	TOTAL	2274380.00	

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2010.**

SCHEDULE-T

EARMARKED FUND

PENSION FUND ACCOUNT

SL.NO	DESCRIPTION	AMOUNT
1	Opening balance as on 01-04-09	575091757.00
	Add: Interest @ 6%	34505505.00
		609597262.00
	Less: Disbursement from fund	
	a) Commuted Pension	838918.00
	b) Pension disbursed by Corp. Office	7682631.00
	c) Pension disbursed by Units	3118071.00
		11639620.00
Add: Contribution to the Fund	597957642.00	
	153208400.00	
	Closing balance as on 31-03-10	751166042.00

EARN LEAVE ENCASHMENT FUND

SL.NO	DESCRIPTION	AMOUNT
2	Opening balance as on 01-04-09	62028365.00
	Add: Interest @ 6%	3721702.00
		65750067.00
	Less: Disbursement from fund	
	a) Disbursement to retirees-Board	1055030.00
	b) Disbursement to retirees-Units	432696.00
		1487726.00
		64262341.00
Add: Contribution to the Fund	14950210.00	
	Closing balance as on 31-03-10	79212551.00

DEPRECIATION FUND ACCOUNT

SL.NO	DESCRIPTION	AMOUNT
3	Opening balance as on 01-04-09	279691610.86
	Add: Interest @ 6%	16781496.65
		296473107.51
	Add: Current year's Depreciation	17069087.00
		Closing balance as on 31-03-10

I. Significant Accounting Policies and Convention:

(i) The financial statements have been prepared on the assumption of going concern concept.

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

a) **Consent Fees:**

Consent Fees received relating to the period up to which financial statements are drawn is accounted on cash basis and the amount received beyond the date of Balance Sheet is accounted as "consent fees received in advance" and is carried as liability.

b) Other Fees, Services Charges, Cess reimbursement 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.

(iv) **Fixed Assets:** Fixed Assets are stated at written down value.

(v) **Expenses:** On accrual basis.

II. Depreciation:

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

Building - 10%

Computer - 60%

Electrical Installations 15%

Furniture and Fixtures-10%,

Lab Equipments 33.33%,

Library Books- 10%,

Office Appliances-10%,

Vehicles-33.33%.

III) Stock on Hand:

Stock of Lab chemicals, Glassware, Misc. Stores & Filter papers are valued at cost. Cost is arrived under First in First out method.

IV) Retirement Benefits:

a) Gratuity:

Gratuity is administered by a separate Trust managed by the Life Insurance Corporation of India. The contribution made against the fund is charged to revenue.

b) Pension & Earned Leave:

Contribution to Pension is provided in the accounts as per Actuarial valuation. Fixed Deposits are earmarked and transferred to separate fund account to meet out the liability. The assumptions are as under:

Date of Valuation	31-03-2010
Employee Profile	
Age of Retirement	58 / 60 years
No. of Employees	731
Total monthly relevant salary for pension	1,50,49,713/-
No. of pensioners	52
Total monthly pension	6,25,383/-
No. of family pensioners	33
Total monthly family pension	2,27,440/-
Assumptions as per AS 15R	
Discount rates as per para 78	7.75%
Salary escalation fixed as per para 83-91 and 120(1)	4%
Attrition rate fixed	1%
Funding mechanism	Earmarked deposits
Present value of obligation	75,11,66,042/-

c) Earn Leave:

Contribution to Earned Leave is provided in the accounts as per Actuarial valuation. Fixed Deposits are earmarked and transferred to separate fund account to meet out the liability.

Date of Valuation 31-03-2010

Employee Profile

Age of Retirement	58 / 60 years
No. of Employees	731
Total monthly relevant salary for pension	1,50,49,713/-
Average Age	48
Average past service	18
No. of leave days (EL)	1,75,440
Decrement adjusted / estimated future service	9

Assumptions as per AS 15R

Discount rates as per para 78	7.75%
Expected rate of return computer as per paras 107-109	0%
Salary escalation fixed as per para 83-91 and 120(1)	4.00%
Attrition rate fixed	1.00%
Proportion of leave availment	10.00%
Proportion of encashment during service	10.00%
Proportion of encashment on separation	80.00%

Funding mechanism

Earmarked deposits

Present value of obligation

7,92,12,551/-

V) Other Points:

a) Consent Fees / Cess

The Board is collecting Cess and consent fees. However necessary information/data is not available to determine whether all industries to which the provisions of the Act apply have paid Cess and consent fees. In the absence of such information, income from this head has been recognized on the basis of available records.

b) Interest accrued on deposits has been adopted as worked out by Board. In the absence of confirmation by the respective banks, the income from this head has been recognized on the basis of the Board's workings.

c) Internal Audit:

The Board has an adequate Internal Audit System.

d) Fixed Assets:

The fixed assets have been physically verified by independent Officers of the Board. No major discrepancy was observed on comparison with the fixed assets registers.

e) Land Advances:

This represents amount paid towards the land cost to SIPCOT amounting to Rs.48,48,911 which is yet to be capitalized pending registration.

f) Advance to suppliers:

Rs. 71,23,398 has been paid as Advance to Suppliers for purchase of assets and other expenditure and is pending adjustment for more than one year.

g) Cess receivable includes disputed amount from the following industries / Local Bodies.

i)	Ennore Thermal Power Station.	87,13,96,675.00
ii)	North Chennai Thermal Power Station	98,86,16,549.00
iii)	Tuticorin Thermal Power Station	1,14,48,86,481.00
iv)	Local bodies	67,64,47,036.00

h) Income Tax :

No Provision for Income Tax has been made as the Board is of the view that it is exempted from the provisions of the Income Tax Act of 1961. Action has been initiated by the Ministry of Environment & Forest New Delhi, with Ministry of Finance to seek exemption from application of provisions of Income Tax Act to Pollution Control Boards.

VI) Contingent Liability:

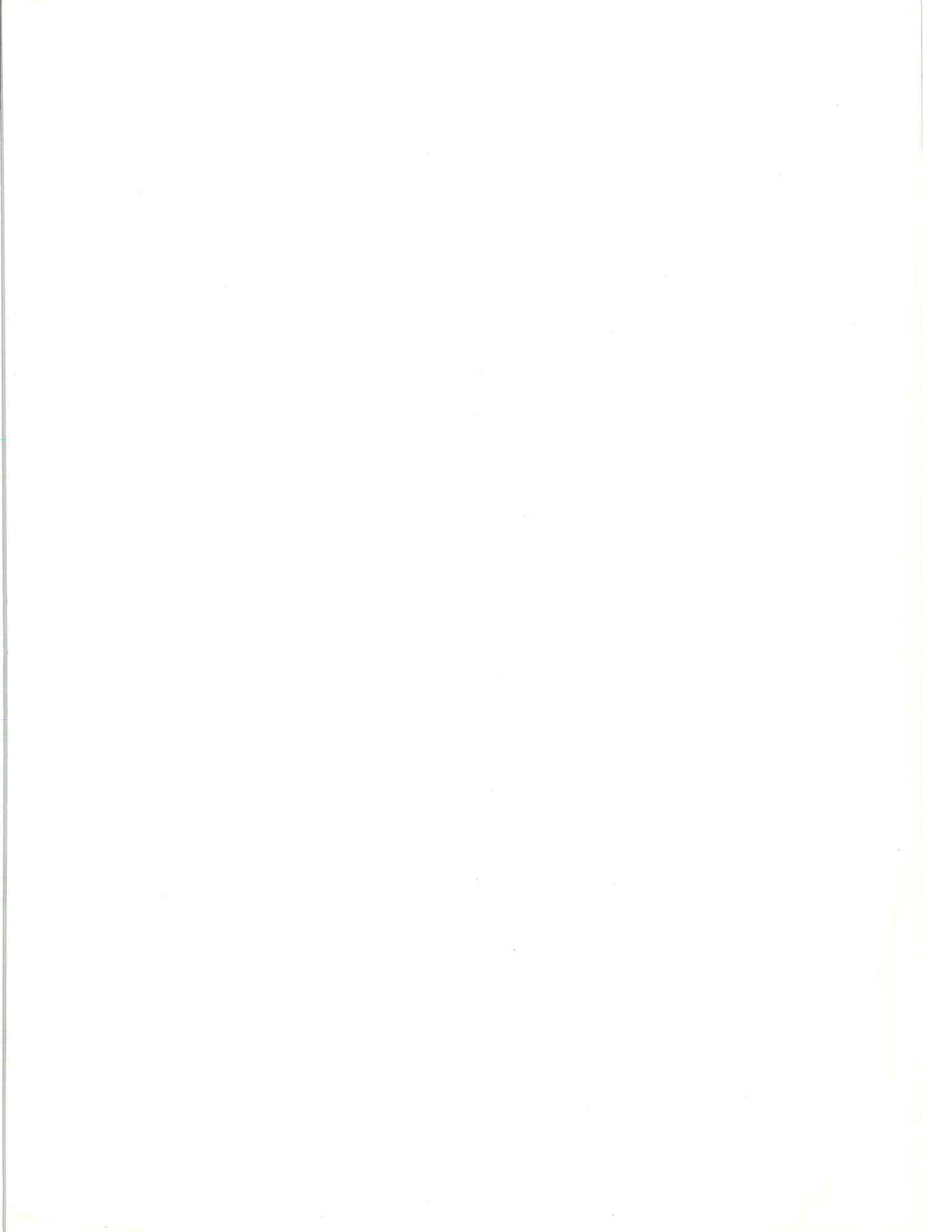
Claim towards professional charges of Rs.6,00,000/- which is disputed by the Board and hence not provided for.

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

Chennai - 600 032
Date: 30/12/2010

for M/s. K. Ramkumar & Co,
Firm Registration No:02830S
Chartered Accountants

(R RAGHAVENDRAN)
Partner
(Membership.No.26480)





தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்
TAMIL NADU POLLUTION CONTROL BOARD

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