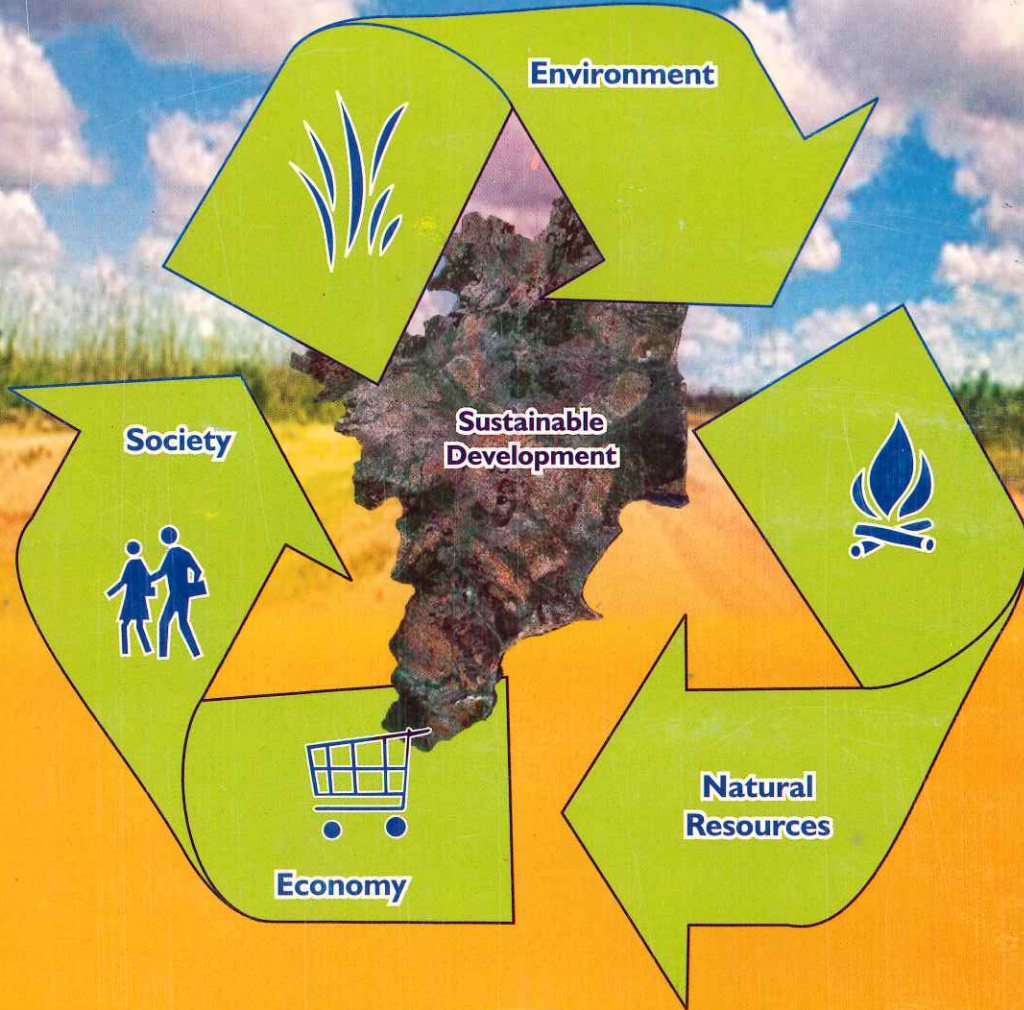


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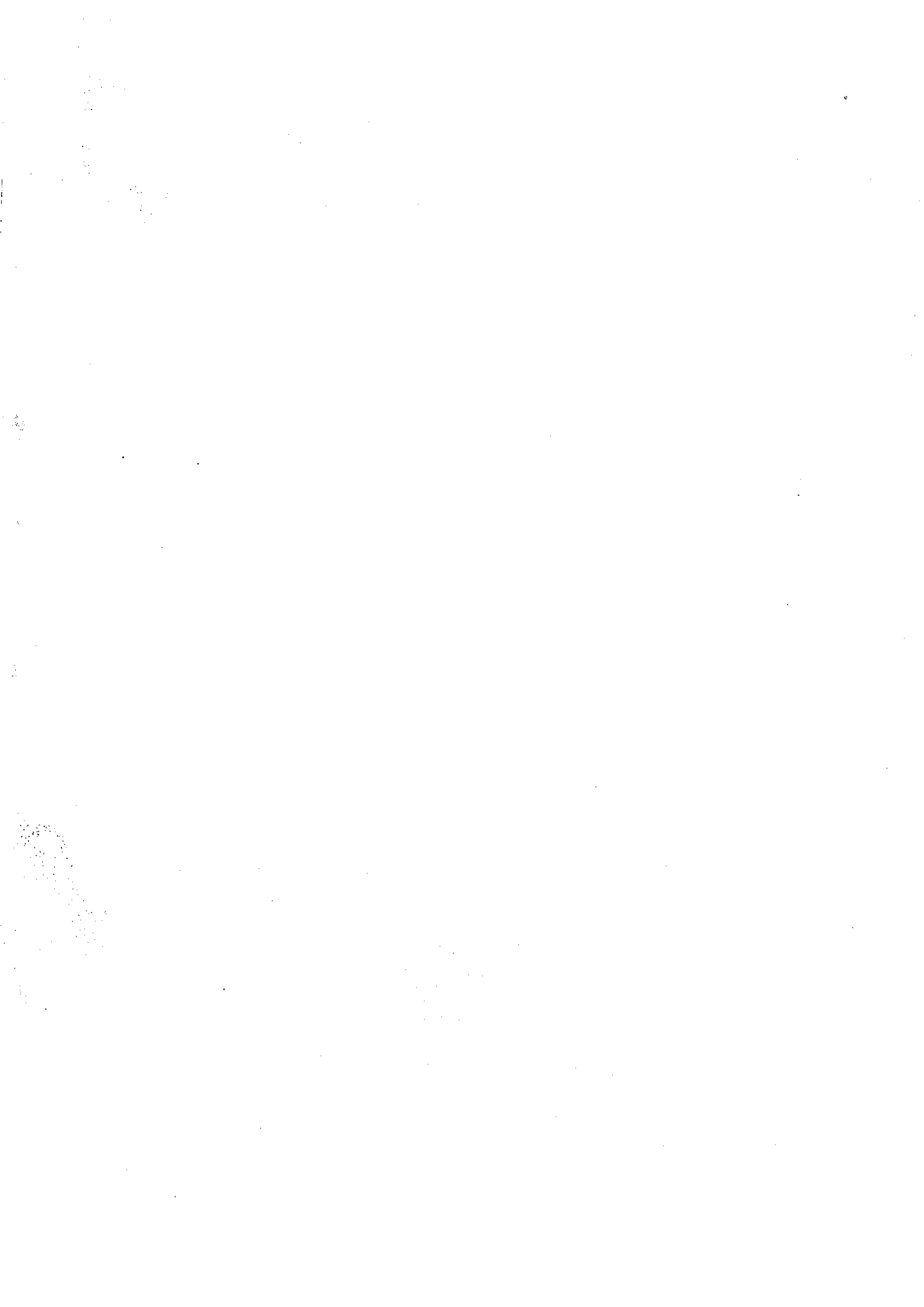


தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்
Tamilnadu Pollution Control Board

ANNUAL REPORT 2006 - 2007



Tamilnadu Pollution Control Board
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1.1 INTRODUCTION

The Tamilnadu Prevention and Control of Water Pollution Board 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 and Handling) Rules, 1989 as amended in 2000, 2003
- 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
- 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

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 programmes 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.

2.1 CONSTITUTION OF TNPCB

The TNPCB is constituted by the State Government. It comprises of 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 710. There are 25 district offices, 20 are headed by Joint Chief Environmental Engineers / District Environmental Engineers and 5 offices under the control of Assistant Environmental Engineers. The location 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 Joint Chief Environmental Engineer, 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, 10 District Environmental Laboratories and 1 Mobile Environmental Laboratory 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 and Handling) Rules, 1989 as amended in 2000, 2003.
- 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, 1994 as amended in 1997, 2000, 2001, 2006.
- 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.
- 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 Red, Orange, and Green according to their pollution potential. 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 2006-2007, 16,908 samples of sewage and trade effluents from the industries were collected and analysed. The Board has issued 1355 'Consent to Establish' orders and 1331 'Consent to operate' orders under the Water (Prevention and Control of Pollution) Act, 1974 as amended during the year 2006-2007.

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 2006-2007 is Rs. 908.29 lakhs amount reimbursed by Government of India is Rs.323.78 lakhs. 80% of the cess-collected is reimbursed and utilised for awareness programs, projects and training programmes.

3.5 AIR POLLUTION CONTROL

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 2006-2007, ambient air quality surveys have been conducted in 733 industries. The Board has issued 1355 'Consent to Establish' orders and 1332 'Consent to Operate' orders under the Air (Prevention and Control of Pollution) Act, 1981 as amended during the year 2006 - 2007.

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	26 Schemes
Textile Bleaching & Dyeing Units	42 Schemes
Hotels & Lodges	1 Scheme

Out of 69 CETPs formulated, 14 CETP schemes for tanneries, 18 CETP schemes for textile dyeing units and 1 CETP scheme for hotels and lodges are under operation. 12 CETP schemes for tanneries and 24 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 Perundurairi CETP has been granted. The details of funds received & released are furnished in Annexure VI.

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 and authorized 2540 units generating hazardous wastes under the Hazardous Wastes (Management and Handling) Rules, 1989 as amended in 2000 and 2003.

Industries located in Chennai, Kancheepuram and Thiruvallur districts have formed the Industrial Waste Management Association for establishing a common hazardous waste treatment, storage and disposal facility through a private operator. A site was identified at SIPCOT Industrial Estate, Gummidipoondi for establishing a Common Hazardous Waste Treatment Storage and Disposal facility and it was notified by the Government vide G.O.M.S.No.67 E&F (ECII) Dept.dt.17.5.2005. The work for establishment of the facility is under progress.

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 federation 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. EIA studies and Public hearing of the site has been completed. Work will be undertaken after obtaining local body clearance in the above two sites.

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 I and in compliance with the standards prescribed in schedule -V of the said rules.

The Board has so far inventoried 2449 private hospitals, 317 Government hospitals in the State. All the health care facilities have been directed to go for common biomedical waste treatment and disposal facilities having autoclave, shredder, compactor, and incinerator for anatomical waste and secure landfill facility. Site for 11 common facilities have been identified 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 sites 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.

The following eight common facilities at Thenmalpakkam village and Chennakuppam village in Kancheepuram District, Coonoor in The Nilgiris, Kandipedu in Vellore District, Sengipatti in Thanjavur District, Thangayur village in Salem District, Orattukuppai Village in Coimbatore District Muthuvayal in Ramanathapuram District are under operation.

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 and Municipalities and Executive Officers of Town Panchayats have been addressed to comply with the implementation schedule prescribed in Schedule I 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.

Tiruppur municipality has started segregation of waste at source. A private agency has established a facility for composting the segregated waste of Tiruppur municipality. Further all the municipalities have started segregation of waste at source in some wards. There is an urgent need to evolve scientific approaches to the management of municipal solid wastes.

The Board is advocating the concept of segregation of wastes at source, reduction, recycle and reuse of waste. The Board has issued NOC to 104 municipalities and one corporation for

composting of municipal solid waste and setting up waste processing facility. NOCs issued for 62 municipalities have been converted as authorisation.

In order to develop one Municipality or one Special Village Panchayat in each district as a Model town in Municipal Solid Waste Management, a 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.

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.

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:

1. National Air Quality Monitoring Programme (NAMP)
2. Chennai Ambient Air Quality Monitoring (CAAQM) Programme

Under NAMP three ambient air quality monitoring stations are functioning on 24 hour 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 hour basis, two stations per day on all working days. The pollutants measured in the CAAQM stations are Sulphur dioxide (SO₂), Oxides of Nitrogen (Nox), Respirable Suspended Particulate Matter (RSPM) and Total suspended particulate matter (TSPM) in all stations.

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

1. Kathivakkam (NAMP) - industrial area
2. Manali (NAMP) - industrial area
3. Thiruvottiyur(NAMP) - mixed area
4. Kilpauk (CAAQM) - commercial (traffic inter-section)
5. Thiyagaraya Nagar (CAAQM) - commercial(traffic inter-section)

6. Vallalar Nagar (CAAQM) - commercial (traffic inter-section)
7. Anna Nagar (CAAQM) - residential area
8. Adyar (CAAQM) - residential area

The National Ambient Air Quality Standards prescribed is given below:

Area	Annual average concentrations of pollutants in $\mu\text{g}/\text{m}^3$			
	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 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. In Thiruvottiyur, Respirable dust particulate matter levels exceeded the permissible limit, mainly due to the re-suspension of road dust due to automobile and heavy vehicular traffic. The average values of pollutants recorded under NAMP programme during the year 2006-2007 are in Annexure-VII A.

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 (PM_{10}) 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 road dust due to automobile and heavy vehicular traffic and pedestrian movement. The average values of pollutants recorded under CAAQM programme during the year 2006-2007 are in Annexure -VII B.

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) Collectorate Office Building - Mixed zone
- (b) Ponnirajapuram - 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

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

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

- Gandhi Market - Commercial zone
- Main Guard Gate - Traffic intersection
- Bishop Heber College - Mixed zone
- Golden Rock - Residential zone
- Central bus stand - Traffic intersection

The ambient air quality data recorded during 2006-2007 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 AVM buildings, 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 2006-2007 are in Annexure – VII A.

The ambient air quality data collected from the TAAQM stations in Trichy indicates that the average concentration of SO₂ and NO_x values are found well within the prescribed standard and the RSPM and TSPM values (except at Golden Rock, 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 2006-2007 are in Annexure – VII C.

4.2.0 VEHICULAR EMISSION MONITORING

4.2.1 VEHICLE EMISSION MONITORING IN CHENNAI CITY

The TNPCB is 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 (now located at Ambattur w.e.f. 8-12-2005), Madhavaram and Ambattur. During the year 2006-2007, 35,370 vehicles were tested and it is given in Annexure – VII D. Among the total vehicles tested, 2,700 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. Emissions under control certificate are issued to only these vehicles comply with the emission standards in the subsequent tests. In addition, 94 private agencies have been authorised by the Transport Department in Chennai urban agglomeration area to check the emission levels of the vehicles.

4.2.2 MEASURES TAKEN TO REDUCE VEHICULAR EMISSIONS

Vehicular emission standards are being implemented through out Tamilnadu as per the amendment issued in Rule 115 of Motor Vehicle Rules 1989.

Tamilnadu Pollution Control Board has jointly established with Metropolitan Transport Corporation (MTC) six emission testing centres at MTC fitness certificate depots, namely Alandur, Adyar, Annanagar, Vadapalani, Ayanavaram and Tondaiarpet. The computerised test equipment have been provided by TNPCB to these centers for testing exclusively MTC vehicles and issued Emission Under Control Certificate to the vehicles that are complied with emission standards.

Emission check is made mandatory for all the vehicles in Chennai city from I.I.1998 and for cities like Coimbatore, Madurai, Salem and Trichy from 2000 onwards. Emission checking programme has been extended to other cities/towns of Tamilnadu. For controlling vehicular emission, cleaner fuel like unleaded petrol, petrol with 1% benzene and low sulphur fuel (0.05%) have been introduced in Chennai since January 2005. Euro III complied passenger cars only registering in Chennai City from 1.4.2005 onwards. Action is being taken to introduce LPG as a cleaner fuel; especially for autorickshaws. Twenty three LPG stations have been commissioned in Chennai city and in out skirts. Government have lowered the Sales Tax for approved LPG Conversion Kit from 12% to 4% since October 2005. New permits for 10,000 autorikshaw with LPG make have been issued in Chennai city. The oil companies were provided premixed 2T oil dispensing facility in all the outlets in Chennai Metropolitan area. To ban the sale of loose 2T oil, the Government of India, MoEF has issued orders, restricting the sale and distribution of 2T oil in 16 cities including Chennai. The Government of Tamilnadu republished the Government of India order in Government Gazettee for implementation in Chennai City. Surprise roadside emission check up programme is carried out to improve maintenance of vehicles and reduce vehicular emission in co-ordination with the Transport and Traffic Police Department. The Ministry of Surface Transport has proposed to construct over bridges to ease the traffic in three important traffic junctions in Chennai city at Alandhur Kathipara junction, Koyambedu Junction and Padi Junction.

4.3 WATER QUALITY MONITORING

The basic objective of the Water (Prevention and Control of Pollution) Act, 1974 is to maintain and restore the wholesomeness of water. To ensure this objective, regular monitoring of water quality is required. The TNPCB is monitoring the inland water quality under two major programmes namely, Monitoring of Indian National Aquatic Resources (MINARS). Global Environmental Monitoring System (GEMS).

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 Udhamandalam 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 THE 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 furnished in Annexure - VIII A & B.

The overall analysis of the data reveals that the faecal 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.

4.3.1.2 THE 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-VIII C.

The water quality study conducted during the year 2006-2007 shows that the level of pH values varied from 6.12 to 7.44 and the average values of the Bio-chemical Oxygen Demand (BOD) varied from 1.0 to 2.41 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'.

4.3.1.3 THE 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 – VIII D.

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 THE 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 meets the standards prescribed for surface water quality under class 'B' and the details are furnished in the Annexure – VIII D.

4.3.1.5 LAKES

Under MINARS programme, three important lakes of Tamil Nadu at Udthagamandalam, 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 – IX.

The Bio-chemical Oxygen Demand (BOD) in Udthagamandalam lake is found to exceed the standards prescribed due to the surface run off and silage discharge into lake either directly or indirectly.

The water quality of the Udhamandalam lake meets the standards prescribed for surface water under class 'C', Kodaikanal class 'B' 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 outlets No. of stations
Adyar	5	5
Cooum	11	3
Buckingham canal	10	11
Otteri Nullah	8	6

During the year 2006-2007, 1095 samples were collected and analysed at the Advanced Environmental Laboratory, Chennai. The mean values of water quality are furnished in Annexure X.

4.5 LABORATORIES

To assist the Board in 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. Samples of effluents are collected periodically and analysed. The details of samples analysed laboratory wise during the year 2006-2007 are shown at Annexure - XI A - F.

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.

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 so that they adhere to the prescribed effluent / emission standards.

6.1 LEGAL ACTION

The TNPCB is taking legal action against the defaulting industries. The Board has so far issued show cause notices to 42133 industries and closure orders to 6236 industries for not complying with the conditions prescribed by the Board. During the year 2006-2007, 3751 show cause notices and 454 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 Dr.Thayumanavan, Director for Environment Studies (Retd.), Anna University and Dr.G.B.Jaiprakash Narain, Former Director, National Institute of Technical Teachers and Research, 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 2006-2007, 40 appeals have been filed by the aggrieved units in the Appellate Authority and the said authority disposed 37 appeals.

7.1 BOARD MEETINGS

Meetings of the Board were held during the period from April 2006 to march 2007 and the details are given below.

SL.NO.	NO.OF SUBJECTS PLACED	MEETINGS NO.	DATE OF MEETING
1.	35	215	24.04.2006
2.	25	216	08.08.2006
3.	20	217	12.09.2006
4.	27	218	10.10.2006
5.	20	219	14.11.2006
6.	16	220	21.12.2006
7.	20	221	20.02.2007
8.	11	222	27.03.2007

7.2 MAJOR POLICY DECISION TAKEN BY THE TAMILNADU POLLUTION CONTROL BOARD DURING THE PERIOD FROM APRIL 2006 TO MARCH 2007

- The Board resolved to approve the purchase of five new vehicles, (i.e. Four number of Mahindra Bolero and one number of Tempo Traveller) as replacement to the five condemned vehicles at a cost of 24,50,000/- (Rupees Twenty Four Lakhs and Fifty Thousand only).
- The Board resolved to approve the sanction of Rs.16,55,000/- (Rupees Sixteen Lakh and Fifty Five Thousand only) plus taxes for meeting the total non-recurring expenditure towards the purchase of chassis, construction of customized body and also to provide models / panels / equipments in the vehicles with an annual recurring expenditure of Rs.5,24,000/- (Rupees Five Lakh and Twenty Four Thousand only) towards meeting the operation and maintenance costs of mobile exhibition vehicle.

- The Board resolved to approve the grant 'No Objection Certificate' to the unit of M/s. National Highways Authority of India for the project of four laning and widening and strengthening of NH-7A from Tirunelveli to Tuticorin Port and NH-68 from Salem to Ulundurpettai respectively.
- The Board resolved to approve the proposal for the purchase of spares for the Continuous Ambient Air Quality Monitoring station (CAAQM) at Royapuram and Kathivakkam from the firms namely M/s. Thermo ESM Anderson, Germany and M/s. Seres, France through the local agency M/s. Alfa Tech Services, New Delhi at a cost of Rs.19,08,305.68 (including of taxes) (Rupees Nineteen Lakhs Eight Thousand Three Hundred and Five and Paise Sixty Eight only).
- The Board resolved to approve the grant of sum of Rs.216.36 Lakhs towards share of Tamilnadu Pollution Control Board for implementation of underground drainage scheme in Tirunelveli City Municipal Corporation as per G.O.Ms.No.148 MA & WS Department, dated 29.11.2001. The Board also resolved to authorise the disbursement of the amount in installments as and when requested by Managing Director, TWAD Board.
- The Board resolved to approve the proposal for the purchase of 2 shops bearing No.FC 107 and FC 108 in the Koyambedu Flower Market on outright basis from CMDA at a cost of Rs.20.20 Lakhs and also to ratify action of payment of Rs.2,85,224/- (Rupees Two Lakh Eighty Five Thousand Two Hundred and Twenty Four only) to CMDA in view of urgency.
- The Board resolved to grant a memento to 710 Employee of the Board for a value of Rs.2,000/- (Rupees Two Thousand only) per employee to mark the occasion of 'Silver Jubilee Celebrations' on 27.02.2007 and decided to recommend the matter to Government for orders. The Government have issued orders for sanction of Rs.1,500/- (Rupees One Thousand Five Hundred only) per employee and disbursed accordingly.

8.1 ENVIRONMENTAL TRAINING

One of the functions of the State Board as enumerated under the provisions of section 17 of the Water & Air Act is to collaborate with the Central Board in organizing the training of persons engaged or to be engaged in the programme relating to prevent, control or abatement of water and air pollution and to organize mass education programme relating thereof. Training is important for manpower development and to achieve work efficiency. Senior officers, engineers, scientists and ministerial staff are being given training regularly in various aspects of prevention, abatement and control of pollution.

An Environmental Pavilion has been established inside the premises of the Periyar Science and Technology Centre at Kotturpuram, Chennai to facilitate environmental training. The pavilion has a permanent exhibition center and an auditorium with facilities like a public address system, a slide and over head-projector, and a 60 mm projector. Various school children in the State of Tamilnadu visited the environmental pavilion.

8.2 ENVIRONMENTAL TRAINING INSTITUTE (ETI)

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, Pollution Control Board 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.

- Improve awareness at all levels.
- Introduce the holistic approach to environment & sustainable development.

- Introduce the basic theories, concepts and methodologies of integrated environmental planning and management aiming a sustainable development.
- Promote public awareness and motivation to preserve and protect the environment through NGOs
- Create cross-media awareness in industry, urban sector and the public on environmental hazards and adverse impact on quality of life.
- Pollution control at source by cleaner technology and improved processes of material and products. This includes conservation of non-renewable resources, resource recovery, refuse recycling and disposal of minimum waste to the environment.
- Improve environment management capacity in the sector of industry and urban development.
- Develop the ability among professionals to communicate effectively.

During the year 2006-2007, this training institute has conducted 35 programmes and trained 1819 personnel in total.

9.1 ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

An Awareness Cell is established in the head office, Guindy, Chennai to promote environmental awareness. Various awareness campaigns, workshops, rallies are being conducted regularly to highlight important environmental issues.

A special awareness campaign was launched against air and noise pollution during festival seasons such as Deepavali and Bhogi. The noise level monitoring and air quality survey were conducted during Deepavali in the important cities viz. Chennai, Salem, Madurai, Coimbatore, Vellore, Hosur, Tiruppur, Cuddalore, Tirunelveli and Trichy. A special ambient air quality survey on pre-bhogi and post-bhogi days were conducted in Chennai at seven places viz. Anna Nagar, Besant Nagar, Kilpauk, Royapuram, Thiagaraya Nagar, Vallalar Nagar and Vyasarpadi. These campaigns were quite successful. Awareness programmes are on broadcast regularly through Anna F.M. of Anna University every month.

On request Commissioner of Transport, the Awareness cell has conducted Road Safety and Vehicular Pollution in Vellore, Kancheepuram and Chennai.

Environmental awareness programmes and workshops on solid waste management, protection of ozone layer, rain water harvesting and road safety and vehicular pollution were conducted to commemorate Ozone Day, awareness programme has been conducted at Board Office and at Velachery.

During the year 2006-2007, about 107 awareness programme were conducted by awareness team of TNPCB, which consists of TNPCB's own employees.

10.0 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, 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. Upto 31.3.2007, 399 public hearings have been conducted on various projects. During the year 2006-2007, 63 public hearings were conducted.

10.2 GREEN AWARDS

The Government of Tamilnadu has instituted Green Awards to encourage District Collectors to play a proactive role in promoting sustainable development in their districts. Green awards are given to the District Collectors based on the assessment of their personnel contribution to the promotion of environmental protection and sustainable development. A committee has been constituted under the Chairmanship of Secretary, Environment & Forests department to decide the awards to the Collectors.

10.3 ENVIRONMENTAL ATLAS

The TNPCB in co-ordination with CPCB is implementing the Programme of Zoning Atlas on environmental features. Initially, the Zoning Atlas was taken up for Thiruvallur and Kancheepuram Districts at a cost of Rs 6 lakhs and the same was executed by the Centre for Environmental Studies, Anna University.

Subsequently, the preparation of district wise Environmental Atlas for the districts of Coimbatore, Vellore and Thoothukudi with a budget estimate of Rs 8.25 lakhs was taken up. During the year 2001-2002, the project on Environmental Management Plan for Chennai city was taken up at a cost of Rs 5 lakhs.

During the year 2004-05, as per the revised guidelines of CPCB, the District Environmental Atlas for the districts of Thiruvallur, Kancheepuram, Coimbatore, Vellore and Thoothukudi and State Environmental Atlas of Tamilnadu have been taken up at a cost of Rs 6.8 lakhs/-.

The projects on District Environmental Atlas for the districts of Cuddalore and Villupuram were undertaken during the financial year 2005-2006 at a cost of Rs. 10.25 lakhs.

The projects on District Environmental Atlas for the districts of Erode, Salem and Karur were undertaken during the financial year 2006-2007 at a cost of 9 lakhs.

10.4 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 and several dyeing units in the State including major units at Tiruppur, Erode, Karur, in other districts 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.

10.5 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 limes and chrome recovery system so as to reduce the pollution load in the effluent.

10.6 WASTE MINIMISATION

With the adoption of cleaner technologies there has been progress in waste recovery and waste minimisation. Examples include recovery of materials such as chrome from tannery effluent and ammonia from fertilizers. Out of 15 distilleries, 13 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. The major textile-dyeing units at Tiruppur, Erode, Karur has also provided a salt recovery plant for reusing it in the process.

10.7. 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. Other industrial units are encouraged to use less energy and it is being audited through the environmental statements of the unit.

10.8 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.

10.9 ENVIRONMENTAL AUDIT

For self auditing of the environmental management systems, all major industrial units have been asked to get the ISO 14001 certification which are awarded after auditing the environmental management systems by an external agency. During the last two years 102 industries have obtained ISO 14001 certification and more than 200 industries are in the process of obtaining ISO 14001 certification.

10.10 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.

10.11 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).

10.12 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 pollution on water, air, noise and vehicular emission. To take appropriate action against these complaints, an active 'Complaint Cell' is functioning in the Corporate office, Chennai on all working days. For easy access of the public and others, separate telephone numbers, 22353153 & 22200411 are allotted for receiving complaints and guidance. The action on the complaints are taken by calling reports along with recommendations from the field officers of the Board. Action as required based on the reports are taken then & there. For attending environmental related complaints especially in Chennai City, a 'Green Squad' under the control of District Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai has been formed. Two patrolling vehicles and two two-wheelers have been provided to the Green Squad which attends the complaint immediately as and when received and intimate the facts to the District Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai for action.

10.13 RIGHT TO INFORMATION

In pursuance to the directions of Government of Tamil Nadu, Tamil Nadu Pollution Control Board has designated the Member Secretary as Appellate Authority, Director, Environmental Training Institute, Tamil Nadu Pollution control Board as Information Officer and 25 District level Asst. Public Information Officers through out the State to provide information to the persons requesting information under the Right to Information Act 2005. The Board has received 270 applications seeking information and the Board has disposed the requests of 250 applicants as on 31.3.2007. The Board has also received 17 appeal petitions and all the 17 appeal petitions were disposed during the same period.

10.14 LIBRARY

The TNPC Board Library was established during the year, 1989 . At present, the library has a collection of about 10,000 Books and Reports. The collection comprises of documents in the field of Environmental Protection, Air Pollution, Vehicular Pollution, Water Pollution, Noise Pollution, Waste Management, Environmental Engineering, Environmental Management in Industries, Chemical Technology, Chemical Accidents & Disaster Management, Soil, Energy, GIS, Pesticides, Biotechnology, Environmental Health, Toxicology, Environmental Economics, Environmental Chemistry, Environmental Analysis, Environmental Impact Analysis, Environmental Education, Sustainable Development, Women and Development, Environmental Law, Wetlands, Forestry, Directories and Reports of Tamil Nadu.

Library subscribes for 70 Journals 9 Newspapers, 13 Magazines. Besides this Annual Reports, 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 since 1990.

Library is administrated by the Library Committee and Library Purchase Committee chaired by the Member Secretary. The committee consists Senior Officers of the Board and experts from Anna University and IIT, Madras.

TNPCBd Library is a Reference Library. 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, Teachers, Professors, Professionals, NGOs, Industrialists and people involved in environmental aspects are utilising the library. Readers are from various institution not only from Chennai but also from all over Tamil Nadu and other States. Readers are also from other States like Pondicherry, Karnataka, Andhra Pradesh, Kerala, Maharashtra, Uttar Pradesh and West Bengal. 2566 nos. of readers utilised the Library during 2006-2007 and 108 nos. of readers took .

11.0 25th SILVER JUBILEE CELEBRATIONS OF THE BOARD

The 25th Silver Jubilee Celebrations of the Tamilnadu Pollution Control Board were inaugurated for two days on 26th & 27th February 2007 in the auditorium at Corporate office. The function was inaugurated by the Honourable Minister for Environment, Chairman, Member Secretary of the Tamilnadu Pollution Control Board, Director of Environment, Executive Director of Periar Science & Technology Centre and many other special invitees including industries representatives, Heads of Educational institutions.

To commemorate the Board's Silver Jubilee, an Environmental Exhibition was also conducted in Environmental pavillion Kotturupuram for the School students and prizes were distributed. The 25th year silver jubilee souvenir, a set of 3 compendium consists of Central / State Government orders / Board proceedings / circulars relating to Tamilnadu Pollution Control Board were released. Also an Audio CD of Folk Songs on Environment titled ("SUTRU SUZHALE SUGAM") was also released.

Honourable Minister for Environment has distributed mementos to the employees, who have served in the Board for the last 25 years. The former chairman, member secretary, and other officers of the Board were also invited and given mementos on behalf of the Board. The Cultural programme was also organised by the awareness cell of the Board.

ANNUXERE - I
LIST OF BOARD MEMBERS AS ON 31.03.2007

S.No.	NAME & ADDRESS	Position	From	To
1.	Thiru. SURJIT.K.CHAUDHARY, I.A.S., Chairman, I/c., Tamilnadu Pollution Control Board, 76 Mount Salai, Guindy, Chennai 600 032.	Member	2.5.2005 FN	21.05.2006 AN
2.	Thiru. K.A.MATHEW, I.A.S., Chairman, Tamilnadu Pollution Control Board, 76 Mount Salai, Guindy, Chennai 600 032.	Member	22.05.2006 FN	1.12.2006 AN
3.	Dr. N SUNDARADEVAN, I.A.S., Chairman, Tamilnadu Pollution Control Board, 76 Mount Salai, Guindy, Chennai 600 032.	Member	12/12/2006 FN	31.03.2007
OFFICIAL NOMINATED BY THE GOVERNMENT				
1.	Thiru. SURJIT.K.CHAUDHARY, I.A.S., Secretary to Government, Environment and Forests Department, Fort. St. George, Chennai -600 009	Member	14.12.2004 FN	22.05.2006 AN
2.	Thiru. VISHWANATH SHEGANKAR I.A.S., Secretary to Government, Environment and Forests Department, Fort. St. George, Chennai -600 009	Member	22.05.2006 AN	03.01.2007
3.	Thiru. R RAJAGOPAL, I.A.S., Secretary to Government, Environment and Forests Department, Fort. St. George, Chennai - 600 009	Member	03.01.2007 FN	31.03.2007
4.	Thiru. S.HARIDHASAN THAMPY, Joint Director Finance (BPE) Fort. St. George, Chennai 600 009.	Member	26.1.2006	31.03.2007

LIST OF BOARD MEMBERS AS ON 31.03.2007

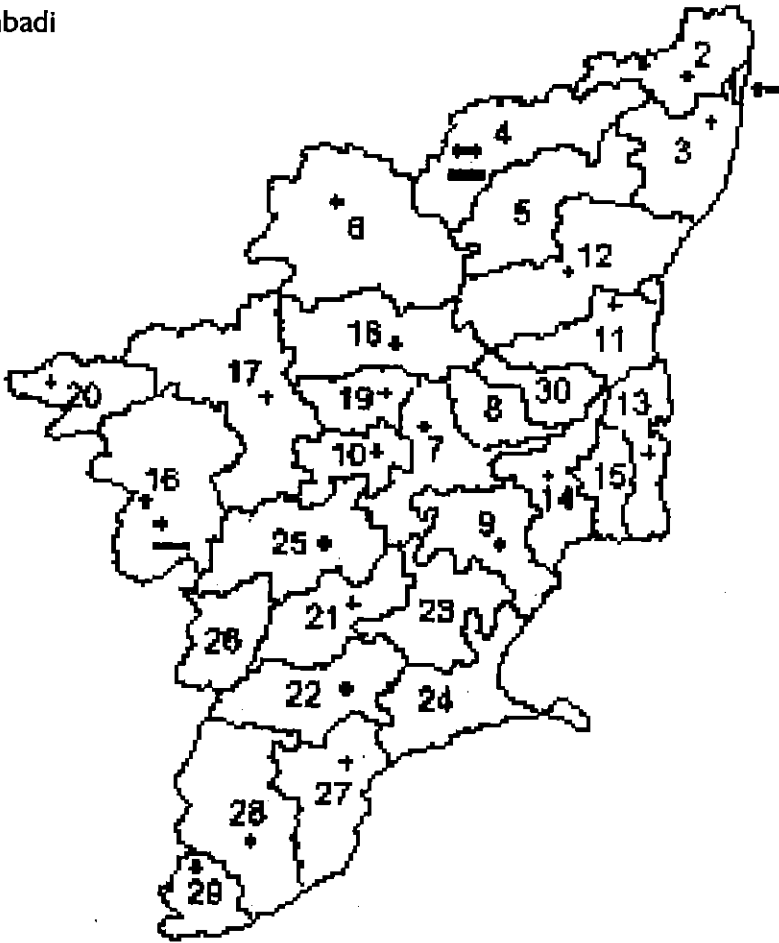
S.No.	NAME & ADDRESS	Position	From	To
5.	Thiru. A.S.JEEVA RATHINAM, I.A.S., Director of Town and Country Planning. Chengalvarayan Building, IVth Floor 807 Anna Salai, Chennai 600 002	Member	24.6.2005 F.N.	31.03.2007
6.	Dr. S.MURUGAN, Director of Public Health and Preventive Medicine, Chennai - 600 006	Member	2.11.2004 FN	31.05.2006 AN
7.	Dr. P. PADMANABAN, Director of Public Health and Preventive Medicine, Chennai - 600 006	Member	01.06.2006 FN	31.03.2007
8.	Thiru.K.A.MOHAMED AZIZ, Chief Inspector of Factories, Chepauk, Chennai 600 005.	Member	27.8.2004 FN	31.03.2007
REPRESENTATIVES FROM AGRICULTURE, FISHERIES AND INDUSTRIES DEPARTMENT				
1.	Dr. ZACKRIAH SAIT, The Regional Chairman(South Region) Leather Export Promotion Council, M/s.Presidency Kid Leather Ltd., 476 Kilpauk Garden Road, Kilpauk, Chennai - 600 010	Member	2.6.2001 FN	31.03.2007
2.	Thiru.R.NARAYANASWAMY, District Production Committee Member District Fertiliser Committee, No.8 First Street, Tharvazhi Village and Post, Ambur (Via), Vellore District.	Member	27.8.2004 FN	31.03.2007
3.	Thiru P. PICHAIAH Joint Director of Fisheries (Retired) No.3/14, Mahalakshmi Flats, A-II, Abdul Razak Street, Saidapet, Chennai - 600 015.	Member	27.8.2004 FN	31.03.2007

REPRESENTATIVES OF GOVERNMENT UNDERTAKINGS

S.No.	NAME & ADDRESS	Position	From	To
1.	Thiru. S. KARUTHIAH PANDIAN, I.A.S. Managing Director, TWAD Board, Chepauk, Chennai 600 005.	Member	17.5.2003 FN	18.05.2006 FN
2.	Thiru SWARAN SINGH I.A.S., Managing Director, TWAD Board, Chepauk, Chennai 600 005.	Member	18.05.2006 FN	31.03.2007
3.	Thiru. VNAGANATHAN, BE., MIE., Member (Generation) Tamilnadu Electricity Board, Electricity Avenue, 800, Anna Salai, Chennai-600 002.	Member	15.10.2005	31.08.2006
4.	Thiru S AROUNASSALAME, BE. FIE., Member (Generation) Tamilnadu Electricity Board, Electricity Avenue, 800, Anna Salai, Chennai-600 002.	Member	01.09.2006	31.03.2007
SPECIAL INVITEES				
1.	Thiru, RAMESH RAM MISHRA, I.A.S., Director of Industries and Commerce, (I/C)Chepauk, Chennai -600 005.	Spl.Invitee	15.12.2005 FN	27.07.2006
2.	Thiru M RAMAN, I.A.S., Commissioner of Industries and Commerce, Chepauk, Chennai 600 005.	Spl.Invitee	27.07.2006 AN	31.03.2007
3.	Thiru. K.S. NEELAKANTAN, I.F.S., Director of Environment Department, Ground Floor, Panagal Building, Saidapet, Chennai 600 015.	Spl.Invitee	29.08.2005 FN	31.03.2007
4.	Thiru. C.T. JAGADEESAN, B.E. General Manager (P&D), SIPCOT, 194 Marshall Road, Chennai 600 008.	Spl.Invitee	31.3.2006	31.03.2007
FULL TIME MEMBER SECRETARY				
1.	Dr. T. SEKAR, I.F.S., Member Secretary Tamilnadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai - 600 032	Member	12.12.2005 FN	31.03.2007

ANNEXURE - II LOCATION OF DISTRICT OFFICES

(C) Corporate Office
+ District Office .
TPR - Tiruppur
VBD - Vaniyambadi



DISTRICTS

- | | | |
|--------------------|-------------------|------------------|
| 1. Chennai | 11 . Cuddalcre | 21 . Madurai. |
| 2. Tiruvallur | 12. Villupuram | 22. Virudhunagar |
| 3. KancheepUram | 13. Nagap.attinam | 23. Sivaganga |
| 4. Vellore | 14. Thanjavur | 24. Rallinad |
| 5. Thiruvannamalai | 15. Tiruvarur | 25. Dindigul |
| 6. Dharmapuri | 16. Coimbatore | 26. Theni |
| 7. Trichy | 17. Erode | 27. Tuticorin |
| 8. Peramballur | 18. Salem | 28. Tirunelveli |
| 9. Pudukottai | 19. Namakkal | 29. Nagercoil |
| 10. Karur | 20. The Nilgiris | 30. Aryalur |

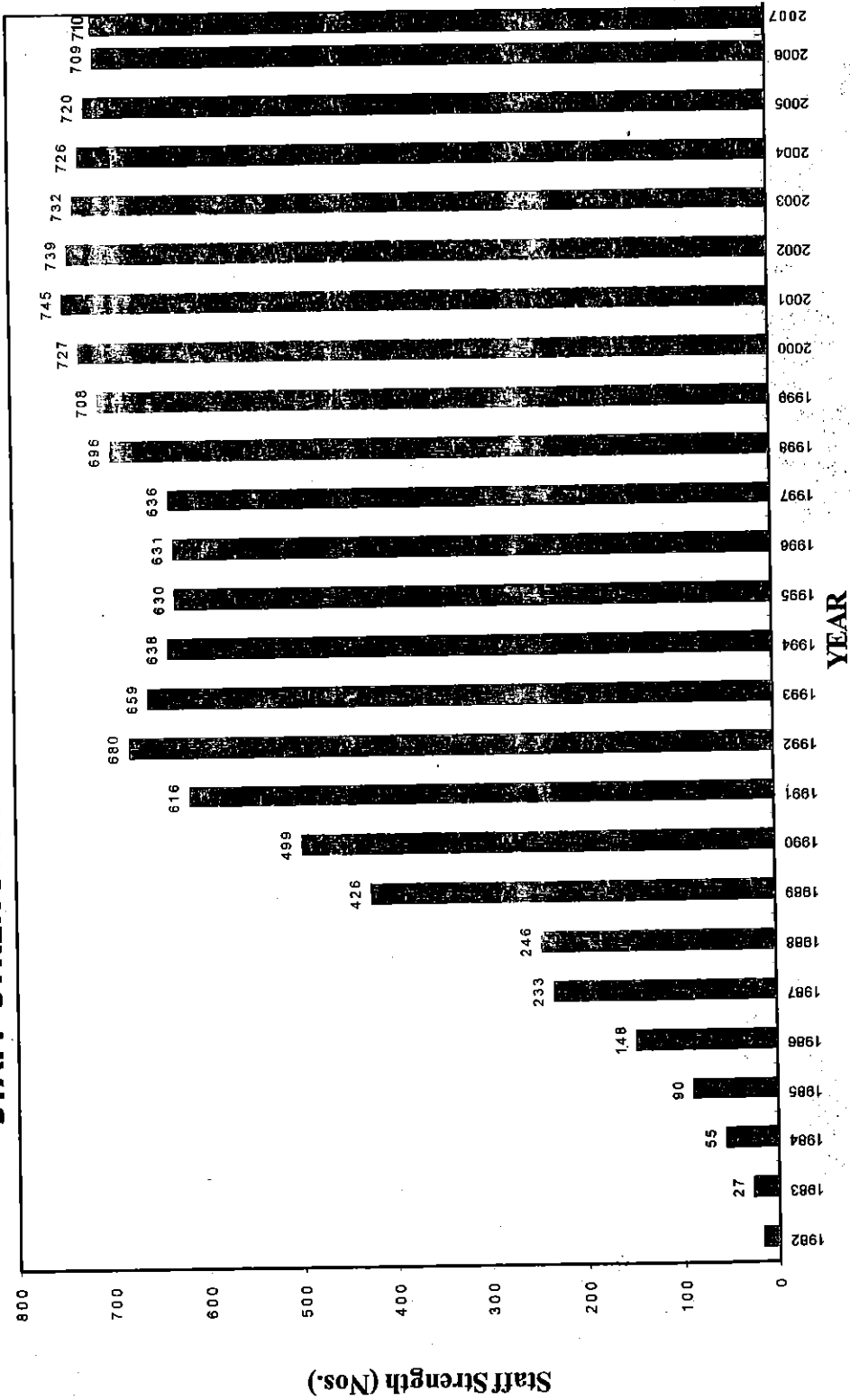
**ANNEXURE - IV
STAFF STRENGTH
31-3-2007**

NAME OF THE POST STRENGTH	
Chairman	1
Member Secretary	1
Engineering Service	132
Scientific Service	80
Scientific Supporting Staff	90
Personnel/Administration/Accounts/Miscellaneous	406
Total	710
ENGINEERING SERVICE	
Additional Chief Environmental Engineer	1
Joint Chief Environmental Engineer (i/c)	5
District Environmental Engineer	3
District Environmental Engineer(i/c)	20
Executive Engineer(Construction)	1
Assistant Environmental Engineer	4
Assistant Engineer	94
Assistant Engineer (Automobile)	1
Assistant Engineer (Construction)	1
Technical Assistant	2
Sub-Total	132
SCIENTIFIC SERVICE	
Deputy Director (Labs)	2
Asst. Director (Lab)	2
Additional Manager (Labs)	6
Deputy Manager (Lab)	17
Environmental Scientist	40
Senior Meteorologist	1
Meteorologist	2
Junior Environmental Scientist	10
Sub-Total	80

SCIENTIFIC SUPPORTING STAFF	
Electrical Supervisor	1
Field Assistant	64
Lab. Attendant	22
Assistant Draughtsman	3
Sub-Total	90
NAME OF THE POST STRENGTH	
PERSONNEL / ADMINISTRATION ACCOUNTS / MISCELLANEOUS	
Financial Advisor	1
Senior Law Officer	1
Deputy Director (I.A)	1
Manager	2
Additional Manager	5
Deputy Manager	14
Assistant Managers	24
Junior Programmer	1
General Assistants	95
Data Entry Operator	3
Assistants	37
Steno Typist	30
Typists	49
Librarian	2
Driver	59
Record Clerk	13
Telephone Operator	2
Office Assistant/Watchman	58
Despatch Rider	1
Cleaner	1
Sweeper	1
Electrician	6
Sub-Total	406

ANNEXURE - V

STAFF STRENGTH FROM THE YEAR 1982 TO 2007



ANNEXURE - VI
FUNDS RECEIVED FOR THE CETP SCHEMES
[Rs.in Lakhs]

SL. NO.	NAME OF CETP	FUND RECEIVED FROM		TOTAL
		GOVT. OF INDIA	GOVT. OF TAMILNADU	
YEAR 1991-92				
1	Pammal / Pallavaram	50.00	-	50.00
2	Erode (Tanneries)	50.00	-	50.00
3	Tiruppur	37.50	-	37.50
4	Ayyampet-Muthialpet	22.50	-	22.50
YEAR 1992-93				
1	Pammal/Pallavaram	-	50.00	50.00
2	Erode (Tanneries)	-	50.00	50.00
3	Tiruppur	-	37.50	37.50
4	Ayyampet-Muthialpet	-	22.50	22.50
5	Bhavani	-	7.50	7.50
6	Erode -I (Dyeing) B.P. Agraharam	-	15.00	15.00
7	Erode -II (Dyeing)Kasipalayam	-	17.50	17.50
8	Karur	-	21.14	21.14
YEAR 1995-96				
1	Bhavani	7.50	-	7.50
2	Erode -I (Dyeing)B.P. Agraharam	15.00	-	15.00
3	Erode -II (Dyeing)Kasipalayam	17.50	-	17.50
4	Karur	21.14	-	21.14
5	Ranipet SIDCO	25.00	50.00	75.00
6	Visharam	25.00	50.00	75.00
7	Bakkalapalli, Pernambut.	40.00	-	40.00
YEAR 1996-97				
1	R.K. Puram, Karur	-	48.22	48.22
2	Andankoil, Karur	-	50.00	50.00

3	Amaravathinagar, Karur.	-	50.00	50.00
4	Thiruvai, Karur.	-	50.00	50.00
5	SIPCOT- SIDCO Phase -II, Ranipet	-	50.00	50.00
6	Valayampet, Vaniyambadi.	-	50.00	50.00
7	Kodaikanal	-	32.50	32.50
8	Perumalpet	-	*50.00	50.00
9	Madhavaram- TALCO Industrial estate	-	50.00	50.00
10	Melpudupet, Ranipet.	-	37.78	37.78
11	Ranipet SIDCO	20.00	-	20.00
12	Melvisharam	20.00	-	20.00
YEAR 1997-98				
1	SIPCOT- SIDCO Phase-II	30.00	-	30.00
2	Madhavaram,	25.00		25.00
3	Ayyampettai - Muthialpettai	-	13.20	13.20
4	Chettithangal, Melvisharam.	-	34.85	34.85
5	Pernambut (Eruguthi Mullumedu)	-	38.50	38.50
6	Mittalam, Ambur	-	50.00	50.00
7	Pudur, Vaniyambadi.	-	35.50	35.50
8	Maligaihope, Ambur.	-	50.00	50.00
9	M.C. Road, Ambur.	-	50.00	50.00
10	Tarawali, Ambur.	-	50.00	50.00
11	Gundur, Trichy.	-	50.00	50.00
12	Ramji Nagar, Trichy.	-	15.00	15.00
13	Andipalayam, Tiruppur.	-	50.00	50.00
14	Mannarai, Tiruppur	-	50.00	50.00
15	Manickapurampudur, Tiruppur	-	31.75	31.75
16	Kasipalayam, Tiruppur	-	50.00	50.00
17	Angeripalayam, Tiruppur	-	50.00	50.00
18	Veerapandi, Tiruppur	-	12.50	12.50
19	Chinnakarai, Tiruppur	-	50.00	50.00
20	Kunnangalpalayam, Tiruppur	-	50.00	50.00

21	Light House Area, Karur	-	14.74	14.74
22	Sukkaliyur, Karur	-	42.13	42.13
23	Sellandipalayam, Karur	-	50.00	50.00
24	Karuppampalayam, Karur	-	27.00	27.00
YEAR 1998-1999				
1	SIPCOT-SIDCO Phase-II.	20.00	-	20.00
2	Andipalayam, Tiruppur	53.75	3.75	57.50
3	Mannarai, Tiruppur	50.00	17.75	67.75
4	Manikapurampudur	25.00	-	25.00
5	Angeripalayam, Tiruppur	50.00	130.00	180.00
6	Veerapandi, Tiruppur	40.00	118.75	158.75
7	Chinnakarai, Tiruppur	50.00	11.25	61.25
8	Kasipalayam, Tiruppur	50.00	5.00	55.00
9	Kunnangalpalayam, Tiruppur	54.00	4.00	58.00
10	R.K.Puram, Karur	-	0.03	0.03
11	Amaravathi nagar, Karur.	-	11.00	11.00
12	Tiruvai, Karur	-	2.00	2.00
13	Andankoil, Karur.	-	3.59	3.59
14	Karuppampalayam, Karur	27.00	-	27.00
15	Sellandipalayam, Karur.	-	6.25	6.25
YEAR 1999-2000				
1	Manikapurmpudur, Tiruppur	6.75	-	6.75
2	Veerapandi, Tiruppur	128.75	-	128.75
3	Angeripalayam, Tiruppur	130.00	-	130.00
4	Kasipalayam, Tiruppur	5.00	-	5.00
5	Chinnakarai, Tiruppur	11.25	-	11.25
6	Mannarai, Tiruppur	17.75	-	17.75
7	Maligaithoppu, Ambur	50.00	-	50.00
8	Light house area, Karur	12.50	-	12.50
9	Perumalpet, Vaniyambadi	**50.00	-	50.00
10	R.K.Puram, Karur.	0.03	-	0.03
11	Chettithangal, Melvisharam	31.25	-	31.25

** } Subsidy was returned to Govt.

12	Melpudupet	1.25	-	1.25
YEAR 2000-2001				
1	Thiruvai, Karur	2.00	-	2.00
2	Pudur, Vaniyambadi.	10.00	-	10.00
3	Madavaram	6.25	-	6.25
4	Light house area, Karur	10.00	-	10.00
5	Karuppampalayam, Karur	-	13.66	13.66
YEAR 2001-2002				
1	Pudur, Vaniyambadi.	15.00	-	15.00
2	Light House Area, Karur	10.00	-	10.00
YEAR 2002-2003				
1	Pudur, Vaniyambadi	10.50	-	10.50
YEAR 2003-2004				
NIL				
YEAR 2004-2005				
NIL				
YEAR 2005-2006				
NIL				
YEAR 2006-2007				
NIL				

1. Rs. 18.75 lakhs has been returned to State Government.
2. Rs 50 lakhs has been returned to State Government.
3. Rs 50 lakhs has been returned to Government of India.
4. Rs 86.49 lakhs has been released to M/s Kovai Telungupalayam CETP scheme from TNPCB fund.
5. Rs. 114.32 lakhs has been released to M/s. Perundurair CETP -I, Textile sector, SIGC, SIPCOT, Perundurair, Erode district.

ANNEXURE - VII-A

STATUS OF AIR QUALITY OF IMPORTANT CITIES/TOWNS OF TAMILNADU-UNDER NATIONAL AIR QUALITY MONITORING PROGRAMME(NAMP) ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS 2006-2007

Sl. No.	City & Location	Category	Annual Average Concentrations of Air Pollutants in $\mu\text{g}/\text{m}^3$														
			SO ₂			NOx			TSPM			RSPM					
			Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	CHENNAI																
a)	Kathivakkam	Industrial	31	4	14	54	11	25	392	40	140	120	27	61			
b)	Manali	Industrial	28	5	14	44	6	25	332	62	151	225	34	81			
c)	Thirvottiyur	Mixed	25	4	14	41	11	24	240	39	128	155	21	66			
2	COIMBATORE																
a)	DCO	Mixed	20	4	10	49	15	32	216	19	88	131	16	44			
b)	Pooniyarajapuram	Residential	17	4	9	48	17	32	249	24	87	100	12	44			
c)	SIDCO	Industrial	26	4	11	63	17	40	866	80	230	225	45	102			
3	THOOTHUKUDI																
a)	Raja Agencies	Industrial	69	7	18	81	5	17	467	30	125	298	20	90			
b)	AVM Buildings	Mixed	58	9	18	52	5	18	452	34	116	310	25	78			
c)	Fisheries college	Industrial	37	7	17	52	7	17	358	39	90	240	23	63			
4	MADURAI																
a)	M/s.Susee Cars & Trucls (P) Ltd.,	Industrial	24	7	12	57	13	26	190	35	94	96	28	65			
b)	Awai Girls Higher Secondary School	Mixed	25	6	10	41	14	23	266	22	103	194	10	34			
c)	Highways project Buildings	Residential	21	6	9	40	13	23	226	16	98	95	9	37			
5	SALEM																
a)	Sowdeswari college building	Mixed	11	5	7	69	16	33	122	20	69	82	18	42			
	Prescribed Standard:																
	i) Industrial		80				80			360			120				
	ii) Residential, Rural & other areas(mixed)		60				60			140			60				

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

ANNEXURE - VII B

CHENNAI AMBIENT AIR QUALITY MONITORING PROGRAMME STATUS OF AIR QUALITY DURING 2006 - 2007

Station	ANNUAL AVERAGE CONCENTRATIONS OF AIR POLLUTANTS $\mu\text{g}/\text{m}^3$			
	SO ₂	NO _x	RSPM	TSPM
ANNA NAGAR	8	22	63	146
ADYAR	7	17	41	90
KILPAUK	9	27	91	211
THIYAGARAYANAGAR	10	27	83	218
VALLALAR NAGAR	10	33	92	249
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 - VII C

STATUS REPORT OF TRICHY AIR QUALITY UNDER TRICHY AMBIENT AIR QUALITY MONITORING PROGRAMME (TAAQM) DURING 2006 - 2007

Sl.No	Station	Average Concentrations of Air Pollutants, $\mu\text{g}/\text{m}^3$			
		SO ₂	NO _x	RSPM	TSPM
1	Gandhi Market	17	23	73	223
2	Mainguard Gate	15	20	77	250
3	Bishop Heber College	11	17	48	119
4	Golden Rock	11	16	42	108
5	Central Bus Stand, Trichy	18	23	105	227
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

ANNEXURE - VII D

STATUS OF VEHICLE TESTED AT TNPCB VEMSTATION DURING 2006 - 2007

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	35,370	32,670	2,700	1,943	757	7.63

ANNEXURE - VIII A

RIVER WATER QUALITY RIVER CAUVERY (UNDER MINARS PROGRAMME) 2006-2007

Sl.No.	Station	DBU Class	pH Range	DO mg/l	BOD mg/l	CL mg/l	SO ₄ mg/l	NO ₃ mg/l	TH mg/l	FC MPN/100ml	TC MPN/100ml
1	Badrakalliamman Koil	B	5.87-8.41	7.4	<2	18	7	0.35	44	193	476
2	Trichy U/S	B	7.59-8.3	7.6	<2	*	*	0.17	*	153	295
3	Grand Anaicut	B	7.06-8.57	7	2.8	10	46	0.19	224	156	363
4	Sirumugai	B	5.92-7.82	7.2	<2	12	2	0.22	40	195	476
5	Bhavani	B	6.43-8.11	6.5	<2	30	6	0.151	168	229	491
6	Karunthattan Kudi	B	7.49-7.99	7.4	<2	194	58	0.114	220	108	255
7	Madathukulam	B	6.98-8.63	7.4	3.0	24	20	0.328	220	125	303
8	Erode	B	6.75-7.92	4.5	6.7	53	21	0.19	164	503	1413
9	Bhavani Sagar	B	6.33-7.76	5.8	2.5	24	6	0.184	64	203	498
10	R.N. Pudur	B	6.66-8.47	6.0	3.5	*	*	0.181	*	267	662
11	P.Velur	B	7.34-8.62	7.4	<2	68	28	0.132	196	174	380
12	Mohannur	B	7.02-8.46	7.7	<2	68	29	0.169	192	155	324
13	Trichy D/S	B	7.37-8.15	7.4	2.0	*	*	0.415	*	238	405
14	Coleroon	B	7.33-8.22	8.3	4.0	112	44	0.486	188	260	2701
15	Pitchavaram	B	6.74-8.33	6.1	2.8	170	47	0.129	47	223	455
16	Thirumukkudal	B	7.22-8.26	7.1	<2	87	26	0.708	188	143	433
Tolerance Limit		A	6.5-8.5	6.0	2	250	400	20	300	20	50
		B	6.5-8.5	5.0	3	—	—	—	—	200	500
		C	6.5-8.5	4.0	3	600	400	50	—	2000	5000

Designated best use underclass 'C'

DO - Dissolved Oxygen BOD - Biochemical Oxygen Demand Cl - Chlorides SO₄ - Sulphates

NO₃ - Nitrates, TH - Total Hardness (as CaCO₃) FC - Faecal Coliform TC - Total Coliform

* Sample Not collected

ANNEXURE - VIII B

RIVER WATER QUALITY - RIVER CAUVERY (UNDER GEMS PROGRAMME) 2006-2007

Sl. No.	Parameters	Musiri Ferry Gate	Musiri Bore Well	Mettur	Pallipalayam	Tolerance limit*	
						B	C
1	pH	7.66 - 8.3	7.56 - 7.57	7.01 - 8.20	6.81 - 8.5	6.5 - 8.5	8.5-6.5
2	DO mg/l	7.7	7.2	6.1	7.8	5	>4.0
3	BOD mg/l	<2	<2	2.5	3	3	3
4	Cl mg/l	92	223	34	49	—	600
5	SO ₄ mg/l	50	45	34	21	—	400
6	NO ₃ mg/l	0.044	0.136	0.17	0.19	—	50
7	TH mg/l	204	540	184	188	—	—
8	FC MPN/100ml	120	172	134	500	200	2000
9	TC MPN/100ml	225	332	333	1400	500	5000
DBU Class		B	B	B	C	—	—

Classification of water (Designated Best use)

- A - Drinking water source without conventional treatment but after disinfection
- B - Outdoor bathing
- C - Drinking water source with conventional treatment followed by disinfection
- D - Fish culture and wild life propagation
- E - Irrigation, industrial cooling and controlled waste disposal

DO - Dissolved Oxygen BOD - Biochemical Oxygen Demand Cl - Chlorides SO₄ - Sulphates NO₃ - Nitrates

TH - Total Hardness (as CaCO₃) FC - Faecal Coliform TC - Total Coliform

ANNEXURE - VIII C

RIVER WATER QUALITY - TAMIRAPARANI (UNDER MINARS PROGRAMME) - 2006-2007

Sl.No.	Station	DBU Class	pH	DO mg/l	BOD mg/l	Cl mg/l	SO ₄ mg/l	NO ₃ mg/l	TH mg/l	FC MPN/100ml	TC MPN/100ml
1	Cheranmadevi	B	6.4 - 6.82	6.37	1.0	17	20	0.06	32	42	101
2	Kokirakulam	B	6.42 - 6.92	6.82	1.7	18	12	0.059	31	57	209
3	Papanasam	B	6.16 - 6.82	7.42	1.3	16	18	0.053	12	28	84
4	Murappanadu	B	7.12 - 7.44	7.78	1.49	18	8	0.099	42	16	34
5	Ambasamudram	B	6.12 - 6.90	7.01	1.32	14	17	0.054	19	34	91
6	Thiruvaidaimarudhur	B	6.24 - 6.88	7.08	1.32	15	18	0.052	16	11	28
7	Author	B	7.06 - 7.36	6.69	2.41	47	12	0.097	141	35	114
	Tolerance limit	B	6.5-8.5	> 5	3	-	-	-	-	200	500

Designated best use underclass 'B'

DO - Dissolved Oxygen BOD - Biochemical Oxygen Demand Cl - Chlorides SO₄ - Sulphate NO₃ - Nitrate

TH - Total Hardness (as CaCO₃) FC - Faecal Coliform TC - Total Coliform

ANNEXURE - VIII D

RIVER WATER QUALITY - PALAR & VAIGAI RIVER BASIN (UNDER MINARS PROGRAMME) 2006-2007

RIVER	DBU Class	pH	DO mg/l	BOD mg/l	Cl mg/l	SO ₄ mg/l	NO ₃ mg/l	TH mg/l	FC MPN/ (100ml)	TC MPN/ (100ml)
Palar	B	6.87 - 7.92	6.78	2	43	27	0.16	250	266	435
Vaigai	B	6.26 - 7.67	7.15	2.9	94	13	0.07	112	11	30
Tolerance limit	B	6.5-8.5	> 5	3	-	-	-	—	200	500

DO - Dissolved Oxygen BOD - Biochemical Oxygen Demand Cl - Chloride SO₄ - Sulphate NO₃ - Nitrates

TH - Total Hardness (as CaCO₃) FC - Faecal Coliform TC - Total Coliform

ANNEXURE - IX

LAKE WATER QUALITY (UNDER MINARS PROGRAMME) 2006-2007

Sl.No.	Station	DBU Class	pH	DO mg/l	BOD mg/l	Cl mg/l	SO ₄ mg/l	NO ₃ mg/l	TH mg/l	FC MPN/100ml	TC MPN/100ml
1	Udhagamandalam	C	6.49 - 7.38	4.9	1.4	44	5.6	1.9	131	2481	5750
2	Kodaikanal	B	6.19 - 7.28	6.53	2.01	17.3	5.6	0.06	25.3	12	40
3	Yercaud	C	6.64 - 7.87	6.5	4.1	37	6.3	0.1	73	173	422
Tolerance Limit		B	6.5 - 8.5	> 5	3	-	-	-	-	200	500
		C	6.5 - 8.5	> 4	3	600	400	50	-	2000	5000

DO - Dissolved Oxygen BOD - Biochemical Oxygen Demand Cl - Chlorides SO₄ - Sulphate NO₃ - Nitrate

TH - Total Hardness (as CaCO₃) FC - Faecal Coliform TC - Total Coliform

ANNEXURE - X

MONITORING OF CHENNAI CITY WATERWAYS

Sl.No.	Source	TSS mg/l	BOD mg/l	COD mg/l
1	Adyar	40	27	148
2	Buckingham Canal	87	58	250
3	Cooum	63	49	212
4	Otteriullah	80	41	199

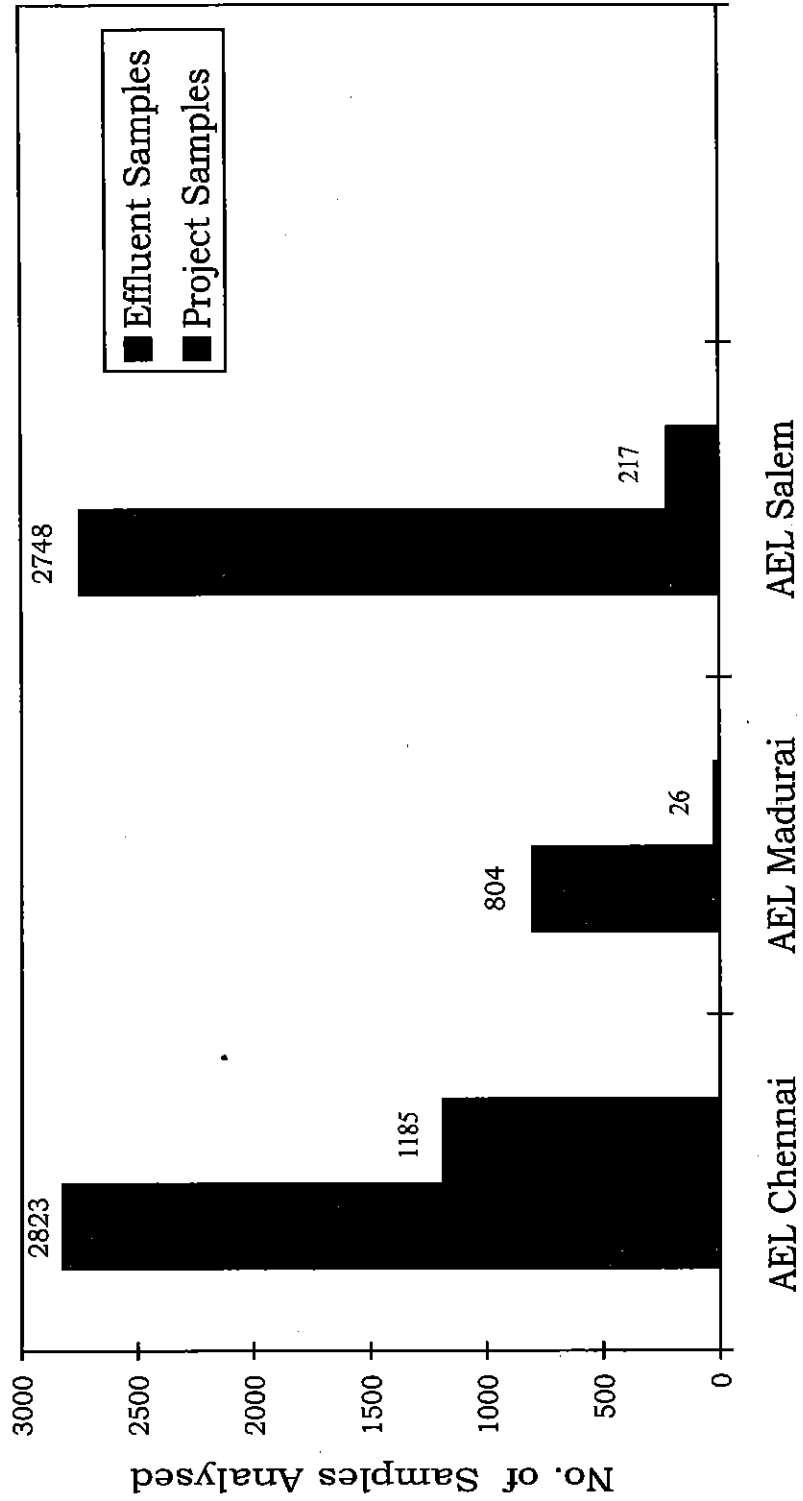
BOD - Bio Chemical Oxygen Demand

COD - Chemical Oxygen Demand

TSS - Total Suspended Solides

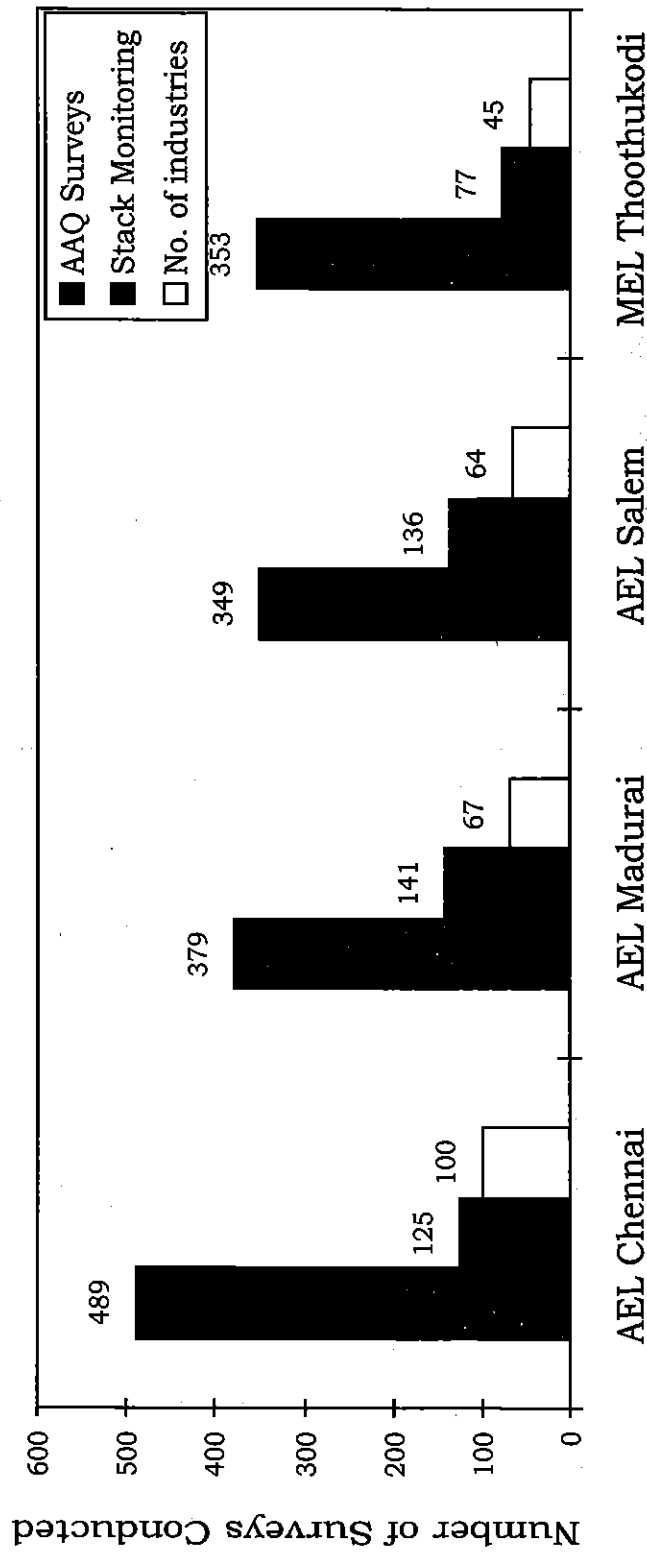
ANNEXURE - XI A

**PERFORMANCE OF ADVANCED ENVIRONMENTAL LABORATORIES (AEL)
EFFLUENT / PROJECTS-SAMPLES ANALYSED DURING THE YEAR 2006 - 2007**



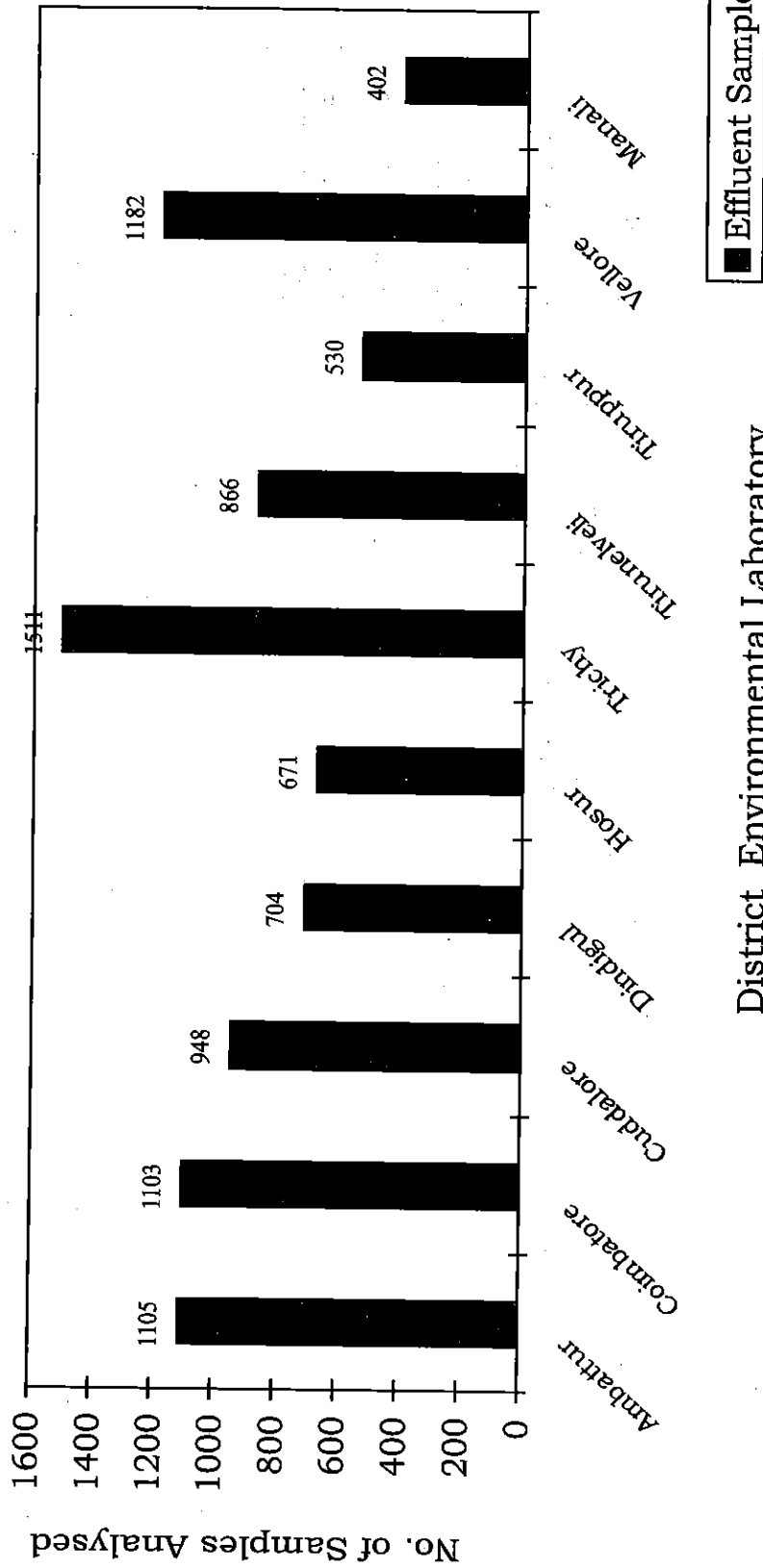
ANNEXURE - XI B

**PERFORMANCE OF ADVANCED ENVIRONMENTAL LABORATORIES(AEL) /
MOBILE ENVIRONMENTAL LABORATORY(MEL)
NUMBER OF SURVEYS CONDUCTED DURING THE YEAR 2006 - 2007**



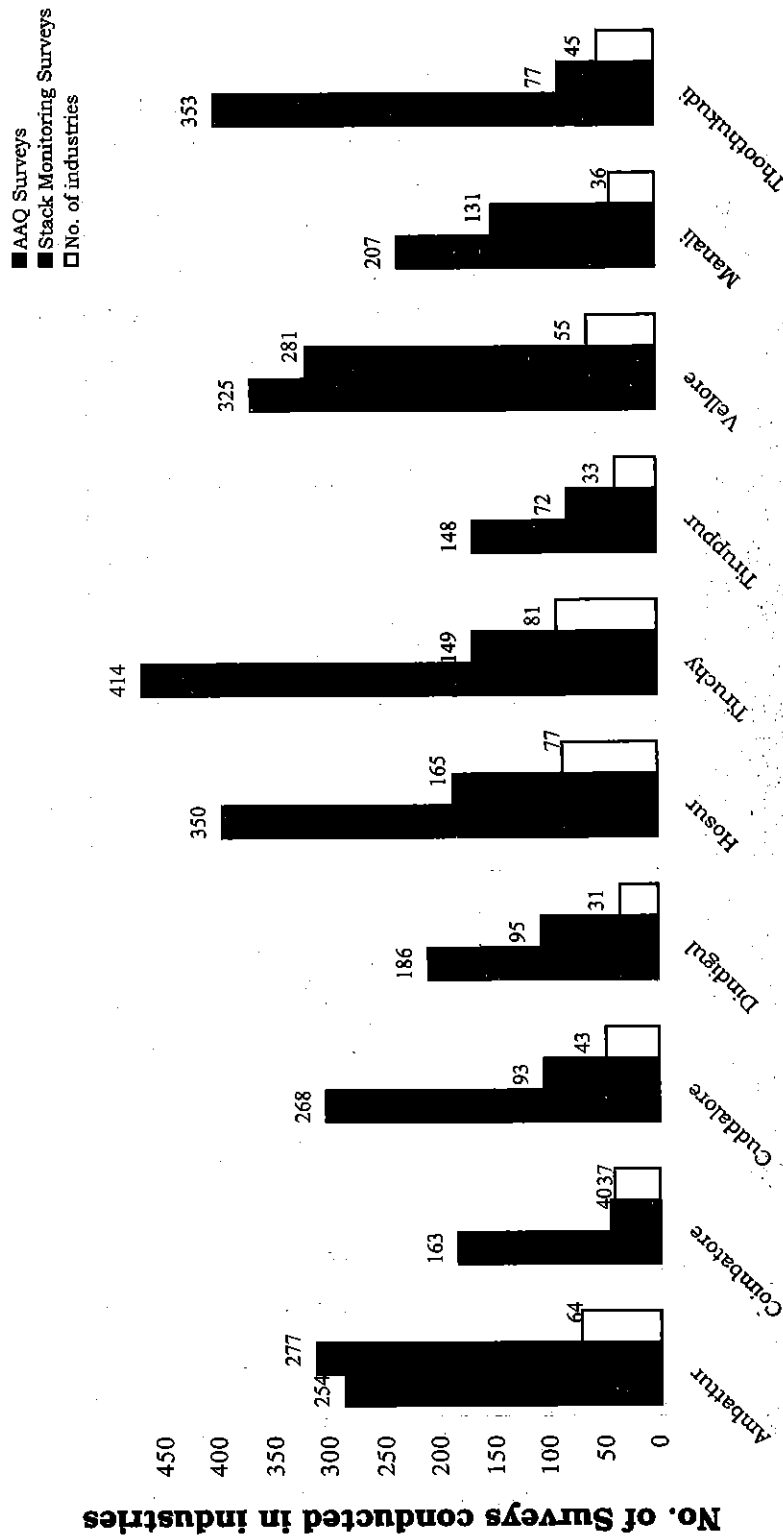
ANNEXURE - XI C

**PERFORMANCE OF DISTRICT ENVIRONMENTAL LABORATORIES(DEL)
EFFLUENT SAMPLES COLLECTED / ANALYSED DURING THE YEAR 2006 - 2007**



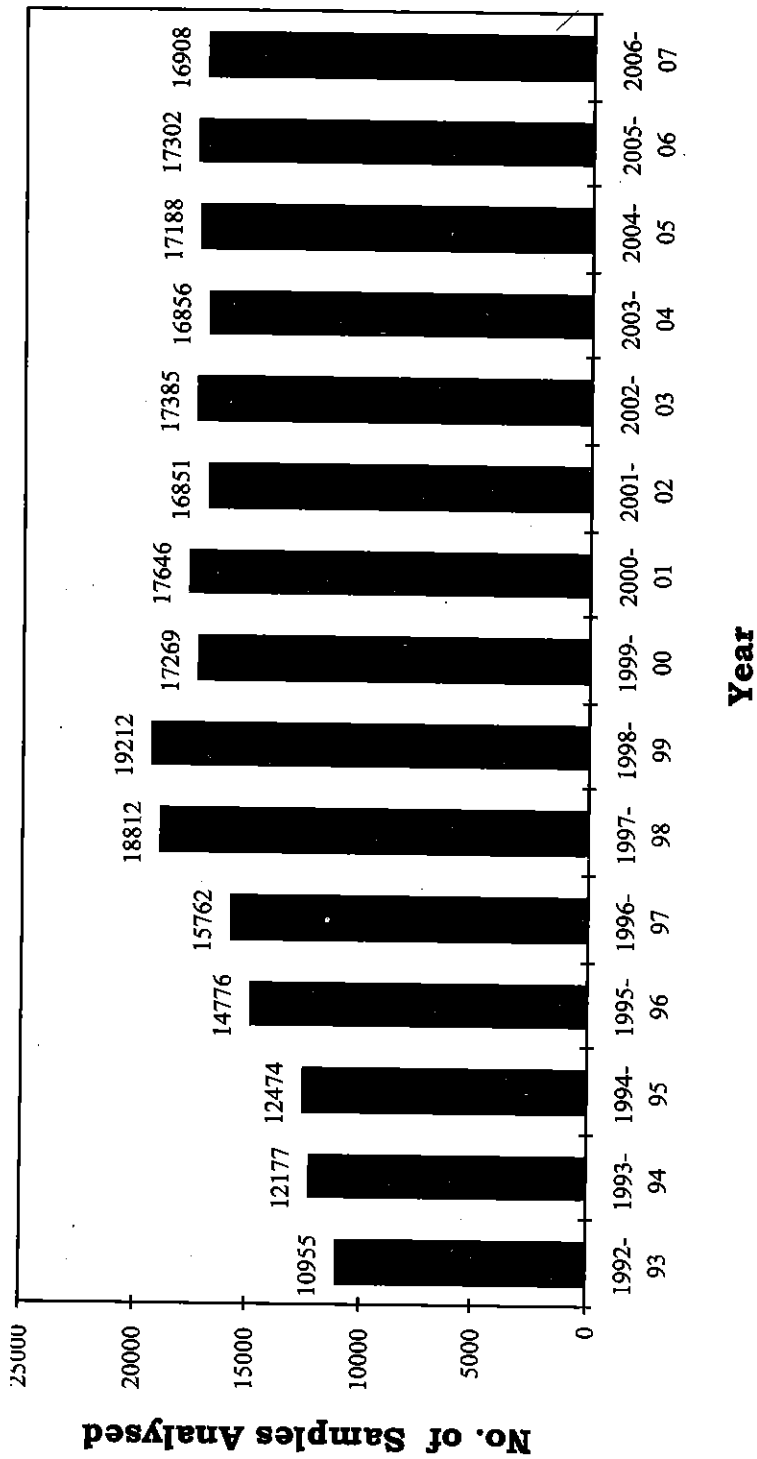
ANNEXURE - XI D

PERFORMANCE OF DISTRICT ENVIRONMENTAL LABORATORIES(DEL) NUMBER OF SURVEYS CONDUCTED DURING THE YEAR 2006 - 2007



District Environmental Laboratory

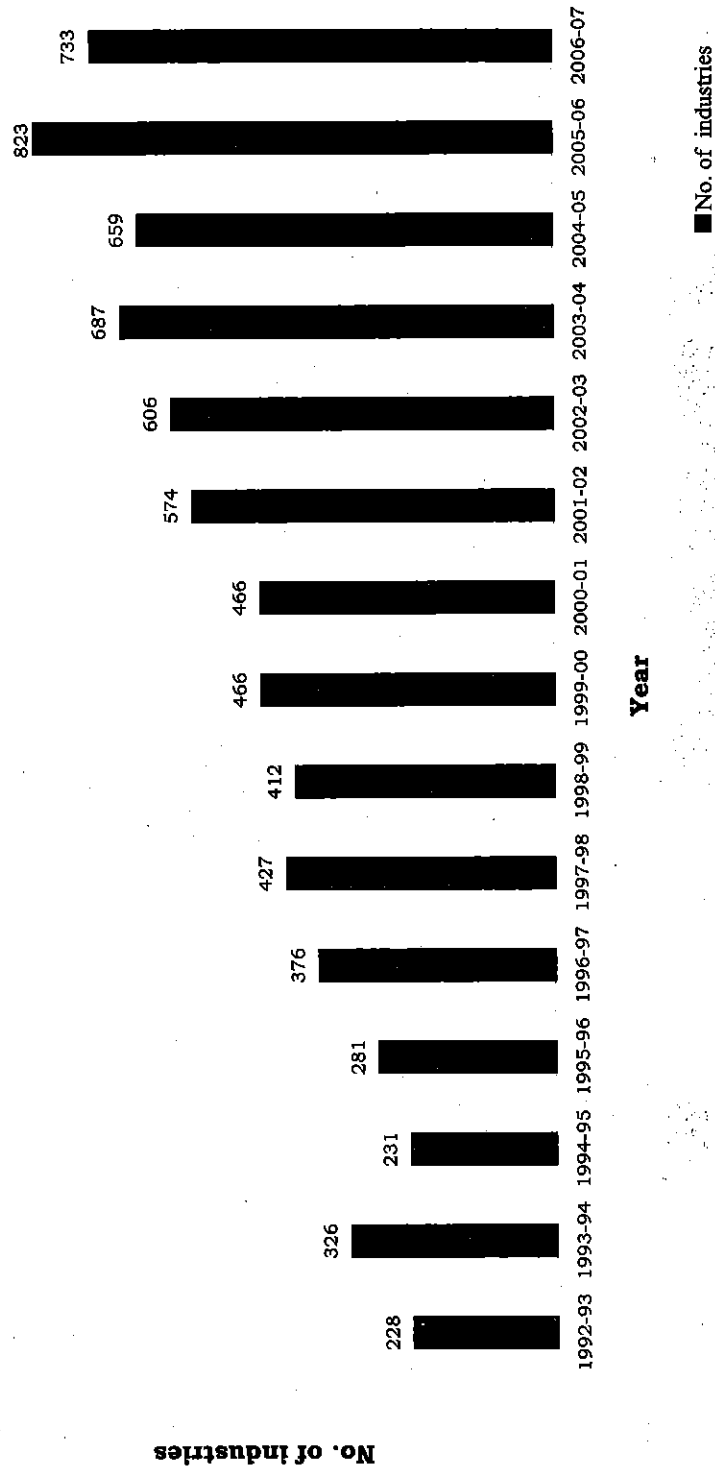
ANNEXURE - XI E
PERFORMANCE OF LABORATORIES
NUMBER OF SEWAGE TRADE EFFLUENT / WATER SAMPLES ANALYSED
FROM 1992 -1993 TO 2006-2007

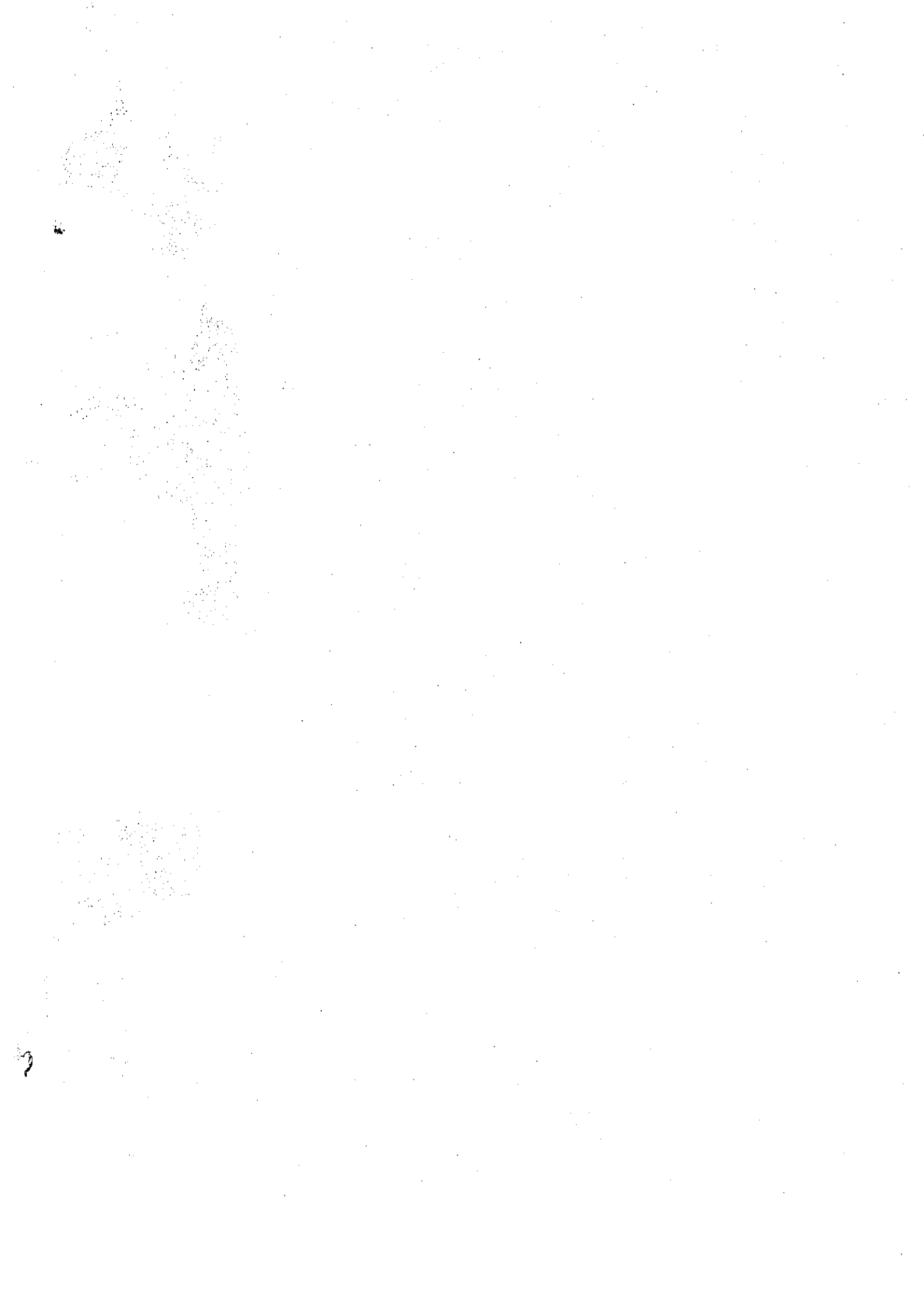


■ Samples Analysed

ANNEXURE - XI F

**PERFORMANCE OF LABORATORIES
NO OF INDUSTRIES WHEREIN AIR / STACK SURVEYS CONDUCTED
FROM THE YEAR 1992-1993 TO 2006-2007**





ACCOUNTS

Dr. C.N. GANGADARAN
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AUDITOR'S REPORT TO THE MEMBERS OF THE TAMILNADU POLLUTION CONTROL BOARD FOR THE YEAR ENDED 31st MARCH 2007

We have audited the attached Balance Sheet of Tamil Nadu Pollution Control Board as at March 31, 2007 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 are subject to the following

: 2:

- a. Refer point no v(e) of the notes to accounts with respect to non recoverability of cess amounting to Rs.193.95 crores due from industries and local bodies in turn to be remitted to the Ministry of Environment & Forest, Government of India.
- b. Refer point no v(d) 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.
- c. Coverage of the Internal Audit as explained in point No.v(b) of the Notes to the accounts.

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, 2007 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 2007.
- (c) In the case of the Income and Expenditure account of the excess of Income over Expenditure for the year ended 31 st March 2007.

Place : Chennai
Date : 19 / 12 / 2007

For CNGSN & Associates
Chartered Accountants

-Sd-
C.N. GANGADARAN
(Partner)
Memb. No. 11205

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.
	OPENING BALANCE		
27348381.29	a. Bank	6297449.21	
26350.00	b. Cash	12650.00	
4066470.90	c. Funds in Transit	1867230.00	8177329.21
	I. GRANTS RECEIVED		
-	a. From Government	-	
-	b. From other Agencies	-	
-	c. Schemes	-	0.00
	II. FEES		
-	a. Consultant Registration Fees	-	
1347565.00	b. Cost of Application	1309715.00	
143073166.00	c. Consent Fees	151818999.50	
89078095.97	d. Cess Collection	84747331.43	
213750.00	e. Fees for handling H. Waste	54996.00	237931041.93
	III. Services & Rental Charges (Lab Analysis Charges Sch - A)		37573373.00
45591561.00	IV INTEREST ON INVESTMENT		4762889.00
	V. MISCELLANEOUS		
8082467.00	a. Others (Schedule-B)	18134931.00	
32377695.00	b. Cess Re-imburement	50402880.00	68537811.00
386960999.66	C/o		356982444.14

CONTROL BOARD, CHENNAI - 600 032.

the year ended 31 March 2007.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		PAYMENTS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
		I. CAPITAL EXPENDITURE				
11204350.00		a. Assets - Land and Building	13581920.00			
2649259.00		b. Laboratory Equipment	213255.00			
0.00		c. Vehicles	19650.00			
356947.00		d. Furniture	443426.00			
312114.00		e. Office Appliance	915544.00			
334823.00		f. Library Books	45069.00			
30238.00		g. Electrical Installation	54632.00			
22150.00		h. Computer	290696.00		15564192.00	
		II. REVENUE EXPENDITURE				
		A. ADMINISTRATIVE				
96807539.60		i. Salaries	112992008.30			
3898706.00		ii. Pension & Gratuity Contribution	20168807.00			
2010080.00		iii. Surrender Leave Salary	4770288.00			
-		iv. Bonus	1,249,845.00			
1384395.00		v. Medical Expenses	1395248.00		140576196.30	
		B. BOARD LABORATORY				
211943.00		i. Running Expenses of Lab.	545022.00			
534103.00		ii. Lab. Chemicals etc.,	601752.00		1146774.00	
119756647.60		C/o			157287162.30	

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.
386960999.66	B/F		356982444.14
	VI. DEPOSITS & ADVANCES		
652129.00	I. Earnest Money Deposit	1190611.00	
261393.00	ii. Security Deposist	64677.00	
516963.00	iii. Advance to Staff (Sch. - C)	515973.00	
557572419.00	iv. Short Term Deposit	309579152.00	
-	v. Telephone Deposit	10000.00	
-	vi. Rent Advance	-	
-	vii. Electricity Deposit	-	
105000.00	viii. Other Deposit	-	
-	ix. R.P.G. Deposit	100000.00	311460413.00
90305841.00	VII. OTHERS (Schedule - D)		103688750.00
1036374744.66	Total		772131607.14

Sd / -

K. Chitra, B.Com., M.B.A., F.C.A.
Manager (F&A)

Chennai - 600 032
Date: 19/12/2007

Sd / -

T.V. Mohandas, B.Com.,
Financial Adviser

Sd / -

R. Ramachandran, M.E., (PH)
Member Secretary (i/c)

CONTROL BOARD, CHENNAI - 600 032.

the year ended 31 March 2007.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		PAYMENTS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
119756647.60		B/F			157287162.30	
5147321.75		C. Running & Maintenance of Vehicle			5979405.00	
		D. MAINTENANCE & REPAIRS				
851735.00		i. Buildings	900666.00			
1607.00		ii. Furniture & Fixture	21360.00			
1068566.00		iii. Scientific instruments	1468085.00			
600288.00		iv. Office Appliance	480331.00			
511308.00		v. Electrical Installation	721972.00			
102488.00		vi. Insurance of Assets	76334.00			
		vii. Other Assets	58526.00		3727274.00	
		E. Scheme			3000000.00	
24109.00		F. Fees to Consultant and Specialists			40702.00	
2208235.00		G. Law Charges			343456.00	
26145.00		H. Expenses for audit			26629.00	
		I. CPCB for Green Belt Scheme paid by Board			-	
2883000.00		J. CETP Development Fund			-	
48656241.95		III MISCELLANEOUS (Schedule-E)	75312788.85			
85889539.00		a. Cess Remittance	93824839.00		169137627.85	
3891405.00		IV ADVANCE (Schedule - F)			6945755.00	
		V Deposits				
730956847.00		a. Short Term Deposits	369360000.00			
25621932.15		b. Others (Schedule - G)	7436616.00		376796616.00	
		VI CLOSING BALANCE				
6297449.21		Bank	46309686.99			
12650.00		Cash	14110.00			
1867230.00		Funds in Transit	2523183.00		48846979.99	
1036374744.66		Total			772131607.14	

Sd / -
Dr. N. Sundaradevan, I.A.S.
Chairman

Subjec to our report of even date & Schedules + Notes attached
for M/s. CSGSN & Associates, Chartered Accountants

Sd / -
Partner
C.N. GANGADARAN
Memb. No. 11205

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.	Rs.	Ps.
		REVENUE EXPENDITURE				
		A. Administrative				
1156588.00		i. Pay of officers	2082109.00			
52089877.50		ii. Pay of Establishment	76750017.00			
45564408.50		iii. Allowance & Honororia (Schedule-I)	42117301.50			
60315123.00		iv. Contribution to Gratuity & Provision for Pension	92728057.00			
2761854.06		v. Surrender Leave Salary	7098376.00		220775860.50	
3431344.58		B. Running Expenses of Labs.				1941894.41
		C. Running and Maintenance of Vehicle (Schedule-I)				6053770.00
5413284.75		D. Maintenance and Repairs				
12707.00		i. Furniture & Fixtures	33241.00			
1782094.00		ii. Lab. Equipments & Instruments	1141326.90			
585925.00		iii. Office Appliance	581144.00			
605072.00		iv. Electrical Installation	773486.00			
1137991.00		v. Building	927478.00		3456675.90	
25384.00		E. Fees to Consultants and Specialists				47778.00
2346900.00		F. Law Charges				362200.00
10027058.00		G. Depreciation (Form XV)				12855175.00
47516990.75		H. Miscellaneous (Schedule-J)				63322606.35
27550.00		I. Fees for Audit				27550.00
142379548.59		J. Excess of income over Exp.trf to B/S				140036051.80
377179700.73		Total				448879561.96

Sd / -
K. Chitra, B.Com., M.B.A., F.C.A.
Manager (F&A)

Sd / -
T.V. Mohandas, B.Com.,
Financial Adviser

Sd / -
R. Ramachandran, M.E., (PH)
Member Secretary (i/c)

Chennai - 600 032
Date: 19/12/2007

OF ACCOUNT

for the year ended 31st March 2007.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		INCOME	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
		I. Grants received				
	-	i. From Government		-		
	-	ii. From other Agencies		-		
	-	Less: Amount utilised for Capital Expenditure		-		
	-	Net Grant available for Revenue Expenditure				
212468176.00		II. Fees (Schedule-K)			238601335.50	
37903324.50		III Services & Rental Charges (Schedule-L)			36142288.00	
4933143.00		IV Miscellaneous Receipts				
32377695.00		i. Others (Schedule-M)	15072542.00			
		ii. Cess Reimbursement	50402880.00		65475422.00	
89353834.13		V Interest on Investment			97768858.46	
143528.10		VI Prior Period Adj.Account			10891658.00	
377179700.73		Total			448879561.96	

Subject to our report of even date & Schedules + Notes attached for M/s. **CSGSN & Associates, Chartered Accountants**

Sd / -
Dr. N. Sundaradevan, I.A.S.
 Chairman

Sd / -
 Partner
C.N. GANGADARAN
 Memb. No. 11205

ANNUAL STATEMENT
Balance Sheet as
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 01.04.2006	54526922.18	
	ii. Grants received from Govt. for capital exp. During the current year and utilised upto 31.3.2007	-	
	iii. Grants received towards specific schemes from other agencies	-	54526922.18
	iv. Less: Amount transferred to Depreciation Fund		
	b. Excess of Income over Expenditure		
945196505.49	i. As at 01.04.06	1077548996.08	
142379548.59	ii. Add: Surplus during the year	140036051.80	
		1217585047.88	
(10027058.00)	iii. Less: Amount transferred to Depreciation Fund	(12855175.00)	1204729872.88
	B. Earmarked Fund (Schedule-T)		
283055610.00	a. Pension Fund	372500000.00	
202725942.38	b. Depreciation Fund	227744673.92	
2883500.00	c. CETP Development Fund	3363250.00	
39531045.00	d. Earn leave encashment Fund	44200000.00	647807923.92
	C. Other Deposits		
2879533.33	a. Deposits for supply & works (Schedule -N)	3888412.33	
33995126.05	b. Refundable P.G. Deposits	33927126.05	
1304000.00	c. Eco Devlpt. Measure Deposit	1304000.00	39119538.38
	D. Amount Due		
1684365517.54	a. Cess Payable	2010282878.69	
(12864655.00)	Less: Cess unrecoverable	(613834.57)	2009669044.12
6924436.94	b. Others (Schedule -O)		11983303.14
3376875974.50	C/o		3967836604.62

OF ACCOUNT

on 31st March 2007.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR		ASSETS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
Rs.	Ps.		Rs.	Ps.	Rs.	Ps.
		I. FIXED ASSETS				
8625424.65		a. Land Development			8625424.65	
11204350.00		b. Buildings Under Construction			23360150.00	
		II. OTHER ASSETS				
71580253.08		a. As per Form XV			66370329.08	
		b. Stock in hand				
898363.56		i. Lab Chemicals	1075956.32			
809578.31		ii. Glassware	785729.44			
248765.66		iii. Misc. Stores	221246.63			
587768.53		iv. Filter Paper	1015123.26		3098055.65	
		III. SUNDRY DEBTORS				
1180074.00		a. Zoning Atlas Scheme				
		b. Cess Receivable				
1408845795.97		i. From Industries	1649084490.04			
264467745.15		ii. From Local Bodies	357295723.80			
		Less: Cess unrecoverable	2006380213.84			
(12864655.00)			(613834.57)		2005766379.27	
20500.00		c. Amount Receivable - PWD			20500.00	
2660500.00		d. Project Study - Receivable			3080500.00	
		IV. ADVANCES & DEPOSITS				
202917727.30		a. Misc. amounts recoverable (Schedule - Q)	312549774.30			
3597571.00		b. Others amounts recoverable (Schedule - R)	5974702.00			
1986086.40		c. Deposits (Schedule - S)	2014033.00		320538509.30	
1966765848.61		C/o			2430859847.95	

ANNUAL STATEMENT
Balance Sheet as
See Rules 36 of Tamil Nadu Water

PREVIOUS YEAR	LIABILITIES	TOTAL OF SUB HEAD	TOTAL OF MAJOR HEADS
Rs. Ps.		Rs. Ps.	Rs. Ps.
3376875974.50	B/f		3967836604.62
264956.98	E. Environmental Impact Study		264956.98
88647364.00	F. Income received in advance (Schedule - P)		105133158.00
44348500.00	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
4684136.00	K. Schemes		1684136.00
3517202824.82	Total		4098799248.94

Sd / -
K. Chitra, B.Com., M.B.A., F.C.A.
Manager (F&A)

Sd / -
T.V. Mohandas, B.Com.,
Financial Adviser

Sd / -
R. Ramachandran, M.E., (PH)
Member Secretary (i/c)

Chennai - 600 032
Date: 19 /12/2007

OF ACCOUNT

on 31st March 2007.

(Prevention and control of Pollution) rules 1983.

PREVIOUS YEAR	ASSETS	TOTAL OF SUB HEAD		TOTAL OF MAJOR HEADS	
		Rs.	Ps.	Rs.	Ps.
1966765848.61	B/f			2430859847.95	
	V. CASH				
	a. Deposits				
283055610.00	1 Pension Fund Investment	372500000.00			
202725942.38	2 Depreciation Fund Investment	227744673.92			
	3 Refundable Performance -				
33995126.05	Guarantee Deposit Investment	33927126.05			
447000.00	4 Model ETP for Sago Plant	447000.00			
979621423.57	5 Other term deposits	936910371.03			
2883500.00	6 CETP Develop. Fund Investment	3363250.00			
39531045.00	7 EL Encashment Fund Investment	44200000.00		1619092421.00	
6297449.21	b. Balance with Banks	46309686.99			
12650.00	c. Cash in Hand	14110.00			
1867230.00	d. Funds under Transit	2523183.00		48846979.99	
3517202824.82	Total			4098799248.94	

Subject to our report of even date & Schedules + Notes attached for M/s. CSGSN & Associates, Chartered Accountants

Sd / -
Dr. N. Sundaradevan, I.A.S.
Chairman

Sd / -
Partner
C.N. GANGADARAN
Memb. No. 11205

FORM - XV

ANNUAL STATEMENT OF ACCOUNTS - FIXED ASSETS AS ON 31st MARCH 2007.

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 01/04/2006		Additions and Adjustment during the year		Total		Depreciation		Closing Balance on 31/03/2007		Cumulative Depreciation on 31/03/2007	
			Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
1	Building	10.00%	38202605.20		1426120.00		39628725.20		3839275.00		35789450.20		76306169.40	
2	Computer	60.00%	1695738.13		290900.00		1986638.13		1125694.00		860944.13		6562096.87	
3	Electrical Installations	15.00%	693036.68		507736.00		1200772.68		116980.00		1083792.68		1717610.43	
4	Furniture & Fixture	10.00%	5548870.31		473576.00		6022446.31		583877.00		5438569.31		11180748.92	
5	Lab Equipment	33.33%	15041768.65		683730.00		15725498.65		5080370.00		10645128.65		63000123.99	
6	Library Books	10.00%	2370340.93		48335.00		2418675.93		240621.00		2178054.93		3097666.10	
7	Office Appliance	10.00%	4481991.08		924112.00		5406103.08		499825.00		4906278.08		7544926.06	
8	Vehicle	33.33%	3545902.10		3290742.00		6836644.10		1368533.00		5468111.10		17651367.68	
	Total		71580253.08		7645251.00		79225504.08		12855175.00		66370329.08		187060709.45	

Chennai - 600 032

Date: 19 / 12 / 2007

for CSGSN & Associates,
Chartered Accountants

-Sd-
C. N. GANGADARAN
Partner
Memb. No. 11205

-Sd-
Dr. N. Sundaradevan, I.A.S.,
Chairman

-Sd-
R. Ramachandran, M.E(PH)
Member Secretary (i/c)

-Sd-
T. V. Mohandoss, B. Com.,
Financial Adviser

-Sd-
K. Chitra, B. Com., M.B.A., F.C.A.,
Manager (F&A)

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2007.**

RECEIPTS

SCHEDULE - A

Services & Rental Charges

SL.NO	DESCRIPTION	Rs.	Ps.
1	A.A.Q.S		17453464.00
2	Analysis Charges		15591691.00
3	Bio Medical Management		809000.00
4	Cess Appeal Fees		2250.00
5	Coastal Monitoring		283099.00
6	GEMS / MINARS		359599.00
7	Noise Leavel Measurement		177090.00
8	VEM Test Fees		2897180.00
	TOTAL		37573373.00

SCHEDULE - B

MISCELLANEOUS RECEIPTS

SL.NO	DESCRIPTION	Rs.	Ps.
1	E T I		1416000.00
2	Flag Day Collection		120000.00
3	Interest on Loans / Advance		69999.00
4	Miscellaneous Income		8533513.00
5	Profit on sale of Assets (Vehicle)		913354.00
6	Public Hearing		5001750.00
7	Rent & Land Advance received		29732.00
8	Rent (Corporate Office)		276156.00
9	Right to Information Fees		13223.00
10	Sale of legal Books		86678.00
11	Sponsorship for Awareness exp		950000.00
12	Zoning Atlas		724526.00
	TOTAL		18134931.00

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH 2007.**

RECEIPTS

SCHEDULE - C

ADVANCE TO STAFF (Receipts)

SL.NO	DESCRIPTION	Rs.	Ps.
1	Computer Advance		500.00
2	Cycle Advance		1036.00
3	Festival Advance		4500.00
4	Handloom Advance		6520.00
5	Marriage Advance		165.00
6	Pay Advance		7600.00
7	Telephone & Telex(Excess call)		91826.00
8	Temporary Advance		331463.00
9	Tour Advance		44553.00
10	Vehicle Advance		27810.00
	TOTAL		515973.00

SCHEDULE - D

ADVANCES AND DEPOSITS

SL.NO	DESCRIPTION	Rs.	Ps.
1	A.A.Q.S received in advance		264900.00
2	Analysis fees received in advance		19930.00
3	Cess received in advance		929856.00
4	Consent Fees received in advance		102474064.00
	TOTAL		103688750.00

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2007.**

**PAYMENT
SCHEDULE - E
MISCELLANEOUS**

SL.NO	DESCRIPTION	Rs.	Ps.
1	AAQS Expenses		9373.00
2	Advertisement and Publicity		447781.00
3	Appellate Authority Expenses		346283.00
4	Bank interest and commission		138803.05
5	Bio Medical Waste Expenses		30000.00
6	Board Meeting Expenses		55933.00
7	Contract Charges / Wages		4763229.00
8	Conveyance		306431.00
9	Electricity/Water Charges		6089717.00
10	Entertainment		159786.00
11	Environmental Pavilion Expenses		290434.00
12	Environmental Study Expenses		661564.00
13	EPF for deputationist		4248.00
14	ETI Expenses		100929.00
15	Expenses - Govt. of Tamil Nadu		11432000.00
16	Expenses of Audit		9911.00
17	Family Benefit Fund		217165.00
18	Flag Day Collection		125000.00
19	Hazourdous Monitoring Exp.		5947.00
20	Interest on P G D		3780.00
21	Land Maintenance Expenses		24077.00
22	Leave Travel Concession		96725.00
23	Miscellaneous Expenses		72104.00
24	Newspaper & periodicals		188606.00
25	Office Expenses		448312.35
26	Outstanding Expenses		1851334.00
27	Petty Cash Expenses		740979.50
28	Pollution Awareness Expenses		31008922.00
29	Postage/Telegram		1043948.95
30	Printing and Stationery		2499628.00
31	Prior Period Expenses		10450.00
32	Property tax		655926.00
33	Public Hearing		1607951.00
34	Rent		3916102.00
35	Silver Jubilee Expenses		1018879.00
36	Staff Welfare Expenses		761421.00
37	Telephone and Telex		2029888.00
38	Trade Fair		59761.00
39	Training and Seminar		271747.00
40	Travelling expenses		1479156.00
41	Turn duty and Overtime Allow.		51985.00
42	Vehicle Monitoring Station Exp		127512.00
43	Zoning Atlas Exp.		149060.00
	TOTAL		75312788.85

**SCHEDULE FORMING PART OF RECEIPTS AND PAYMENTS ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2007.**

PAYMENT

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

SL.NO	DESCRIPTION	Rs.	Ps.
1	Cycle Advance		37.00
2	Festival Advance		425000.00
3	Handloom Advance		124200.00
4	Leave Travel Concession		42978.00
5	Marriage Advance		14800.00
6	Motor Vehicle Advance		335965.00
7	Other Advance		4400.00
8	Pay Advance		8000.00
9	Personal Computer Advance		2788100.00
10	Temporary Advance		2893723.00
11	Tour Advance		306295.00
12	Transfer Tour Advance		2257.00
	TOTAL		6945755.00

**SCHEDULE - G
DEPOSITS AND ADVANCES (PAID) (OTHERS)**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Advance to Suppliers		6399086.00
2	Customs Deposit		100000.00
3	Earnest Money Deposit		223200.00
4	Electricity Deposit		15650.00
5	Other Advance		346575.00
6	Refundable PG Deposit		168000.00
7	Rent Advance		48000.00
8	Security Deposit		135605.00
9	Telephone Deposit		500.00
	TOTAL		7436616.00

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2007.**

EXPENDITURE

**SCHEDULE - H
ALLOWANCES AND HONORARIA**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Allowances		36868043.50
2	Bonus		1287295.00
3	Family Benefit Fund Contribution		158905.00
4	Leave Travel Concession Expenses		104903.00
5	Medical Reimbursement		1396483.00
6	Pay Commision Arrears - VI		51200.00
7	Travelling Expenses		2174509.00
8	Turn Duty and Overtime Allowances		75963.00
	Total		42117301.50

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

SL.NO	DESCRIPTION	Rs.	Ps.
1	Fuel		4436722.00
2	Hire Charges		105705.00
3	Insurance		346135.00
4	Repairs		1165208.00
	Total		6053770.00

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2007.**

EXPENDITURE

**SCHEDULE - J
MISCELLANEOUS**

SL.NO	DESCRIPTION	Rs.	Ps.
1	A A Q S Expenses		10865.00
2	Advertisement & Publicity		452671.00
3	Appellate Authority Expenses		711970.00
4	Bank Charges		141488.05
5	Board Meeting / Other meeting Expenses		196399.00
6	Contract Charges / Wages		5189534.00
7	Conveyance Expenses		399034.00
8	E P F for deputationist		4248.00
9	Electricity & Water Charges		6395150.00
10	Entertainment Expenses		190912.00
11	Environmental Pavilion Expenses		327269.00
12	Environmental Study Expenses		493407.00
13	Environmental Training Institute Expenses		1485826.00
14	Expenses of audit		14777.00
15	Hazardous/Solid Waste/Bio Medical Exp..		38774.00
16	Insurance of Assets		76334.00
17	Interest on RPGD		3780.00
18	Land Maintenance Expenses		32977.00
19	Newspaper and Periodicals		240953.00
20	Office Expenses		616407.35
21	Pollution Awareness Expenses		30729453.00
22	Postage & Telegram		1085691.95
23	Printing & Stationery		3045176.50
24	Property Tax and Rates		655926.00
25	Rent on Buildings		3950763.00
26	Silver Jubilee celebration Expenses		1436280.00
27	Staff Welfare Expenses		864689.00
28	Sundries		127783.50
29	Telephone & Telex		2011111.00
30	Trade Fair Expenses		330924.00
31	Training and Seminar Expenses		410773.00
32	Vehicle Monitoring Station Expenses		131203.00
33	Zoning Atlas Scheme Expenses		1520057.00
	TOTAL		63322606.35

**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED ON 31st MARCH - 2007.**

INCOME

SCHEDULE - K

FEEES

SL.NO	DESCRIPTION	Rs.	Ps.
1	Consent Fees		237291420.50
2	Consent Forms		1309915.00
	TOTAL		238601335.50

SCHEDULE - L

SEVICE AND RENTAL CHARGES

SL.NO	DESCRIPTION	Rs.	Ps.
1	AAQS		17741814.00
2	Analysis Charges		14683506.00
3	Coastal Monitoring fees		283099.00
4	MINARS / GEMS		359599.00
5	Noise level survey fees		177090.00
6	VEM Test Fees		2897180.00
	Total		36142288.00

SCHEDULE - M

MISCELLANEOUS

SL.NO	DESCRIPTION	Rs.	Ps.
1	Bio-Medical Waste Authorisation Fees		818396.00
2	Cess Appeal Fees		2350.00
3	E.T.I. Course fees		1416000.00
4	Fees for Right to Information		13123.00
5	Hazardous Waste Authorisation Fees		51850.00
6	Interest on Loans & Advance		300525.00
7	Miscellaneous Income		8338178.00
8	Profit on sale of Assets		908132.00
9	Public Hearing		3137310.00
10	Sale of Books		86678.00
	TOTAL		15072542.00

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2007.**

LIABILITIES

**SCHEDULE - N
OTHER DEPOSITS**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Earnest Money Deposit		1692396.20
2	Enlistment Deposits		234500.00
3	Others		315000.00
4	Retention Money Deposits		357133.48
5	Security Deposits		1289382.65
	TOTAL		3888412.33

**SCHEDULE - O
SUNDRY CREDITORS**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Others		1148359.00
2	Outstanding Liability		6427654.84
3	Pay Roll Liabilities		1872563.40
4	Salary Payable		1701481.90
5	Staff Death/Retirement Claim Payable		181091.00
6	Tax Deducted at Source (Officers)		652153.00
	TOTAL		11983303.14

**SCHEDULE - P
INCOME RECEIVED IN ADVANCE**

SL.NO	DESCRIPTION	Rs.	Ps.
1	AAQS Charges		284900.00
2	Analysis Charges		266265.00
3	Cess Fees		1125893.00
4	Consent Fees		103456100.00
	TOTAL		105133158.00

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2007.**

ASSETS

**SCHEDULE - Q
MISCELLANEOUS ADVANCES**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Advance to Suppliers		7685497.00
2	Interest Receivable		298837110.00
3	Land Advance		4848911.00
4	Other Advance		346575.00
5	Rent Advance		806318.15
6	Staff Welfare Fund		25363.15
	TOTAL		312549774.30

**SCHEDULE - R
ADVANCES TO STAFF**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Cycle Advance		5698.00
2	Festival Advance		243450.00
3	Handloom Advance		57425.00
4	Marriage Advance		42945.00
5	Motor Vehicle Advance		2421627.00
6	Other Advance		900.00
7	Personal Computer Advance		2715905.00
8	Temporary Advance		362395.00
9	Tour Advance		120600.00
10	Transfer Tour Advance		3757.00
	TOTAL		5974702.00

**SCHEDULE - S
DEPOSITS**

SL.NO	DESCRIPTION	Rs.	Ps.
1	Customs Deposit		68068.00
2	Electricity Deposit		884022.00
3	Gas Deposit (Miscellaneous deposit)		31746.00
4	Telephone & Telex Deposit		1030197.00
	TOTAL		2014033.00

**SCHEDULE FORMING PART OF BALANCE SHEET
AS ON 31st MARCH 2007.**

ASSETS

**SCHEDULE-T
EARMARKED FUND**

PENSION FUND ACCOUNT

SL.NO	DESCRIPTION	AMOUNT
	Opening balance as on 01-04-06	283055610.00
	Add: Interest @ 6%	16983337.00
		300038947.00
	Less: Disbursement from fund	
	a) Commuted Pension	325543.00
	b) Pension disbursed by Corp. Office	2846336.00
	c) Pension disbursed by Units	1688566.00
		4860445.00
	Add: Contribution to the Fund	295178502.00
		77321498.00
	Closing balance as on 31-03-07	372500000.00

EARN LEAVE ENCASHMENT FUND

SL.NO	DESCRIPTION	AMOUNT
	Opening balance as on 01-04-06	39531045.00
	Add: Interest @ 6%	2371863.00
		41902908.00
	Less: Disbursement from fund	
	a) Disbursement to retirees etc.,	168311.00
		168311.00
	Add: Contribution to the Fund	41734597.00
		2465403.00
	Closing balance as on 31-03-07	44200000.00

DEPRECIATION FUND ACCOUNT

SL.NO	DESCRIPTION	AMOUNT
	Opening balance as on 01-04-06	202725942.38
	Add: Interest @ 6%	12163556.54
		214889498.92
	Add: Current year's Depreciation	12855175.00
	Closing balance as on 31-03-07	227744673.92

Notes Forming Part of the Accounts for the year ended 31st March 2007.

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 & 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.

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) Internal Audit

The Board has an adequate Internal Audit System. However, the same may be strengthened to cover various activities of the Board including all the Units & Laboratories.

c) Fixed Assets:

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

d) 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.

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

Rs.

i)	Ennore Thermal Power Station.	45,15,94,967.00
ii)	North Chennai Thermal Power Station	41,39,45,147.00
iii)	Tuticorin Thermal Power Station	71,67,25,984.00
iv)	Local bodies	35,72,75,724.00

f) 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 of Rs.6,00,000/- which is disputed by the Board and hence not provided for.

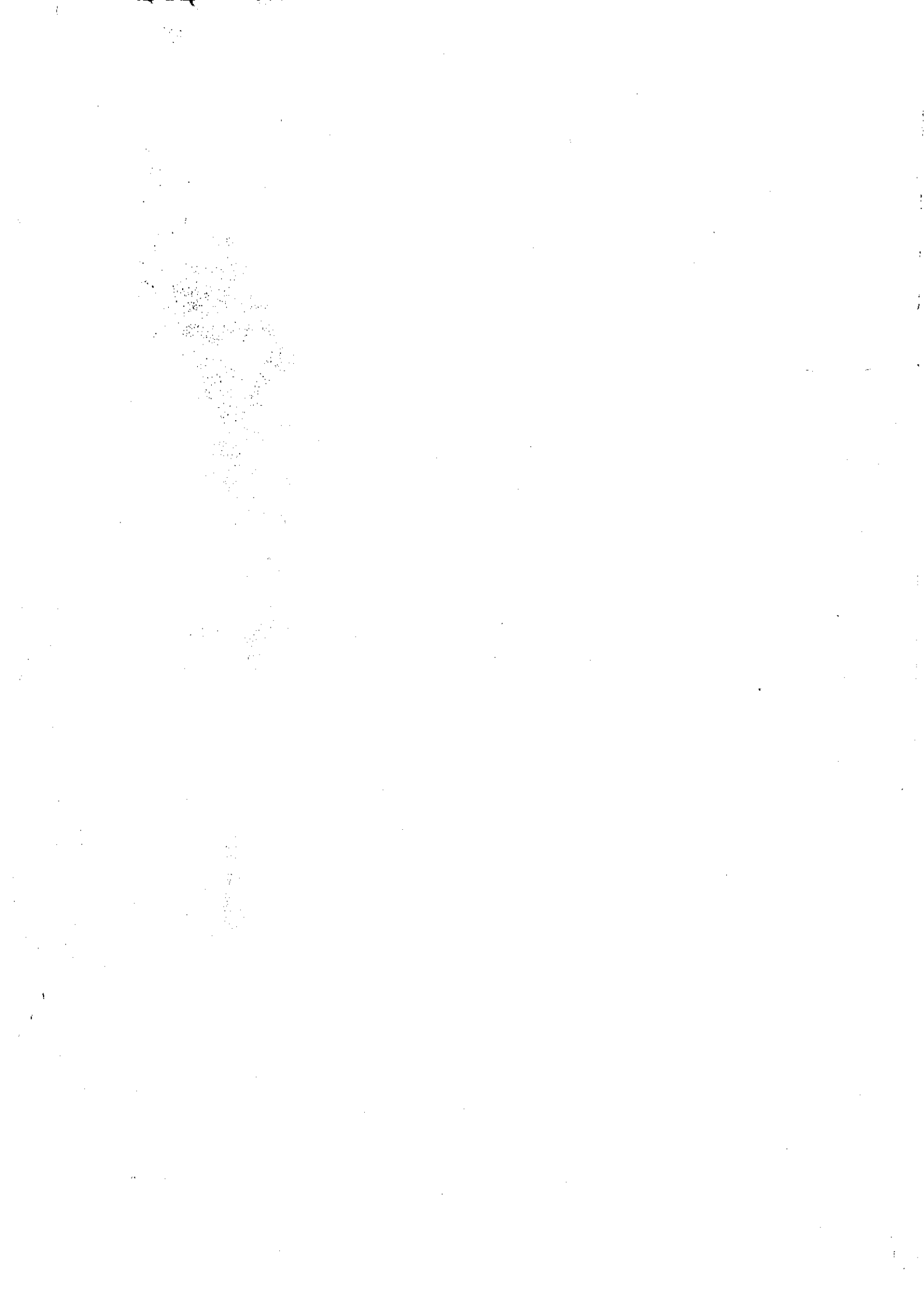
VII) Previous year figures are regrouped and reclassified wherever considered necessary.

Place : Chennai

Date : 19.12.2007

For CNGSN & Associates
Chartered Accountants

Sd-
C.N. Gangadaran
Partner
Member No. 11205





Tamilnadu Pollution Control Board

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