

தமிழ்நாடு
மாக
கட்டுப்பாடு
வாரியம்

TAMILNADU
POLLUTION
CONTROL
BOARD

ஆண்டு அறிக்கை
ANNUAL REPORT
1994 - 95

ஆண்டுக்கணக்குகள்
ANNUAL ACCOUNTS
1994 - 95





ANNUAL REPORT AND ACCOUNTS
1994 - 1995

TAMIL NADU POLLUTION CONTROL BOARD
MADRAS - 600 032.



ANNUAL REPORT AND ACCOUNTS
1994 - 1995

TAMIL NADU POLLUTION CONTROL BOARD
MADRAS - 600 032.

**ANNUAL REPORT FOR THE YEAR
1994 - 95**

**TAMIL NADU POLLUTION CONTROL BOARD
Madras - 600 032.**

ANNUAL REPORT FOR THE YEAR
1994 - 95

TAMIL NADU POLLUTION CONTROL BOARD
Madurai - 600 032

ANNUAL REPORT FOR THE YEAR 1994-95

CHAPTER - I

1.1. INTRODUCTION

The Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974) was adopted in Tamil Nadu from August 1981. The Government of Tamil Nadu constituted the Tamil Nadu Prevention and Control of Water Pollution Board on 27-2-82. This was later renamed as the Tamil Nadu Pollution Control Board. The Air (Prevention and Control of Pollution) Act, 1981 came into force on 16-5-1981.

1.2. FUNCTIONS

The main functions of the Board are enumerated as under :

- To plan a comprehensive programme for prevention, control and abatement of water and air pollution.
- To encourage, conduct and participate in investigation and research relating to problems of water, land and air pollution and its prevention, control and abatement there of.
- To inspect sewage and trade effluent treatment plants for their effectiveness and review the plant specifications for corrective measures.
- To lay down, modify or annul standards set for sewage/trade effluent and for emissions of air pollutants into the atmosphere from industrial plants, and automobiles and for the discharge of any air pollutant into the atmosphere from any other source.
- To evolve efficient methods of disposal of sewage and trade effluent on land.
- To identify sites for storage and disposal of hazardous wastes.
- To identify and monitor the isolated storage of hazardous chemicals.
- To collect samples of Sewage/Trade effluent and emissions of Air Pollutants and to analyse the same for specific parameters.
- To perform such other function as may be prescribed by the State Government or Central Board.

CHAPTER - II

2.1. COMPOSITION OF THE BOARD

The Board is constituted by the State Government. It comprises the Chairman, five officials nominated by the State Government, five persons to represent local authorities, three non-officials to represent the interests of agriculture, fishery and industry, two persons to represent the companies or corporations owned by the Government and a full time Member Secretary. The composition of the Board, as on date may be seen at Annexure-I.

2.2. ORGANISATIONAL SET UP

In the field, five Regional Offices and Sixteen District Offices are functioning for effective monitoring of industries and implementation of the provisions of the Acts. The Board has delegated powers to the Chairman to grant consent to all "Green Site" applications received from new industries. The Joint Chief Environmental Engineers in the Region are empowered to grant consent to "existing green" category of industries. The Board has delegated powers to Joint Chief Environmental Engineers in the Region for renewal of consent in the case of "Orange and Green" category of industries.

To assist the Board in monitoring industries, three Advanced Environmental Laboratories, three District Environmental Laboratories and six Mobile Environmental Laboratories are functioning. These labs carry out analysis of samples of trade effluents and air emissions and hazardous wastes.

The total number of employees in the Board is 630.

The organisation chart of the Board and the staff strength are furnished in Annexure II & III respectively.

CHAPTER - III

MEETINGS OF THE BOARD

During the period from April 1994 to March 1995, Seven meetings of the Board were held as listed below :

Sl. No.	No. of Subjects placed	Meeting No.	Date	Venue
1.	76	136	29-04-94	Madras
2.	43	137	16-05-94	Madras
3.	52	138	22-07-94	Madras
4.	24	139	18-08-94	Madras
5.	48	140	27-10-94	Madras
6.	24	141	09-12-94	Madras
7.	46	142	03-02-95	Madras

Some of the major decisions taken in the Board meetings are as follows :

- i) The Board approved to dispense with the Consent Clearance Committee constituted by the Board and delegated powers to Senior Officers of the Board and Regional Joint Chief Environmental Engineers to consider the grant of Consent to certain Red, Orange and Green Category industries.
- ii) The Board approved the revised categorisation of industries into Red, Orange and Green and norms for frequency of inspections and sample collections.
- iii) The Board decided to address the Government to approach the Government of India for issue of notification under Section 3(v) of the Environment (Protection) Act, 1986, banning establishment of tanning industries in the Cauvery basin particularly in Salem District to protect the Cauvery river Eco-System.

CHAPTER - IV

COMMITTEES CONSTITUTED BY THE BOARD AND THEIR ACTIVITIES

- 4.0. During the period from April 1994 to March 1995, no committee was constituted by the Board.
- 4.1. The Board decided to dispense with the Consent Clearance Committee constituted by the Board to consider the issue of Consent to Orange, Green and certain Red Category industries and delegated powers to the Chairman, Member Secretary, Additional Chief Environmental Engineer, Joint Chief Environmental Engineer (HQ) and Regional Joint Chief Environmental Engineers to consider the grant of consent to Red, Orange, and Green Category of Industries, other than those required to be referred to the Board.

For more effective disposal of business, certain Committees were already constituted by the Board. The important other among them are :

4.2. JOINT STANDING COMMITTEE

Small Scale Industries have been making representations on various problems faced by them in the implementation of Pollution Control Laws. A Joint Standing Committee with the representatives of Tamil Nadu Pollution Control Board and Small Scale Industries in Tamil Nadu has been formed to sort out the difficulties through periodical meetings. Based on the discussions in the Committee so far 141 type of industries have been kept outside the purview of the Acts. During 1994-95 one meeting of the committee was held.

4.3. TECHNICAL ADVISORY COMMITTEE

To assist the Board in its various functions, such as evaluation of standards for various pollutants in effluent and emissions, evaluation of economical effluent treatment methods for various industries etc., the Board has constituted a Technical Advisory Committee consisting of experts in the various fields.

4.4. LIBRARY COMMITTEE

To streamline the system of purchase of publications for the library and to suggest measures for its improvement and better maintenance, a Library Committee has been constituted. The Committee reviews periodically the requirements and functioning of the library.

4.5. PURCHASE COMMITTEE

With a view to streamlining the purchase system and for processing the tenders and taking speedy decision on purchases, the Board has approved the formation of a Purchase Committee consisting of the Scientific Adviser as its Chariman and Deputy Manager (Purchase) as the Convenor of the Purchase Committee.

CHAPTER - V

MONITORING NETWORK FOR QUALITY OF AIR, WATER AND SOIL

5.1. AIR QUALITY MONITORING

5.1.1. NATIONAL AMBIENT AIR QUALITY MONITORING (NAAQM)

The necessity to assess the Ambient Air Quality in the State of Tamil Nadu gains significance due to industrialisation, transportation and other man made activities which have direct impact on the human beings, vegetation and monuments of historical importance. Keeping this fact in view, the Tamil Nadu Pollution Control Board has been monitoring the air quality in and around the city of Madras since 1987. This project is sponsored by Central Pollution Control Board. Though initially there were five stations, these have been reduced to three as per instructions of the Central Board. These stations are functioning in the following places :

1. Manali - Industrial Zone
2. Kathivakkam - Industrial Zone
3. Thiruvottriyur - Commercial Zone

Each station is run on 24 hour basis, twice a week. Samples collected from these stations are analysed for suspended particulate matter (SPM) and gaseous pollutants like sulphur-di-oxide and oxides of Nitrogen. This project has been extended to Tuticorin and Coimbatore also.

At Tuticorin, Ambient air quality stations are functioning in the following locations :

- a) Chemical Research Laboratory - Residential Zone
- b) Fisheries College - Industrial Zone
- c) AVM Building - Residential Zone

At Coimbatore, the Ambient Air Quality stations are functioning in the following places :

- a) Collectorate - Residential Zone
- b) Saibaba Colony - Residential Zone
- c) SIDCO Building - Industrial Zone

5.1.2. AIR QUALITY IN MADRAS CITY

The Ambient Air Quality survey carried out under NAAQM Project shows that the minimum and maximum level of SPM are 13 and 843 microgram per cubic metre respectively. The minimum and maximum level of SO₂ are 0.5 and 571 microgram per cubic metre respectively. The minimum and maximum level of NO_x are 0.2 and 342 microgram per cubic metre respectively. The annual average concentrations of SPM, SO₂ and NO_x are within the norms.

5.1.3. AIR QUALITY IN COIMBATORE / TUTICORIN

In Coimbatore, the minimum and maximum level of SPM are 4.9 and 359 & SO₂ below detectable limit and 68 & NO_x 2 and 64 microgram per cubic metre respectively.

In Tuticorin, the minimum and maximum level of SPM are 2.9 and 320 and SO₂ below detectable limit and 31 and NO_x 2.9 and 99 microgram per cubic metre respectively.

However, the annual average concentration of SPM, SO₂ and NO_x are generally within the standards at both these locations.

5.2. WATER QUALITY MONITORING

Inland water Quality Monitoring is being done under two major programmes, namely

- Monitoring of Indian National Aquatic Resources System (MINARS).
- Global Environmental Monitoring System (GEMS).

5.2.1. MONITORING OF INDIAN NATIONAL AQUATIC RIVER SYSTEM (MINARS)

The following rivers are being monitored for water quality under this project

- A. River Cauvery
- B. River Thamiraparani
- C. River Palar
- D. River Vaigai

This project is funded by the Central Pollution Control Board, New Delhi.

5.2.1.1. RIVER CAUVERY

Quality of water in River Cauvery is being monitored at 16 places along the river. These places have been selected on the basis of the location of outlets for the discharge of industrial effluents and domestic wastes.

23 physico-chemical and biological parameters are analysed in respect of each of the monitoring stations and analysis is done at the Advanced Environmental Laboratory, Salem. Sampling is done on monthly basis. A total No. of 192 water samples have been collected and analysed during the year 1994-'95.

The pH values varied from 7.07 to 8.12 and BOD values generally varied from 1.7 to 5.4. The overall analysis of data revealed that the faecal contamination of surface water of River Cauvery is a common phenomenon all along the course of the river basin due to the unhygienic anthropogenic activities and disposal of either untreated or partially treated municipal waste into the river systems directly or indirectly.

Effective action oriented measures are to be taken immediately to control the indiscriminate discharge of pollutants into the river to enhance the self purification of the natural river systems.

5.2.1.2. RIVER THAMIRAPARANI

The Tamil Nadu Pollution Control Board has been monitoring the water quality of Thamiraparani on a monthly basis at 8 stations, which have been reduced to 7 stations. 21 physico-chemical parameters and biological parameters are analysed, in respect of each monitoring station. Analysis is done at the Advanced Environmental Laboratory, Madurai. 84 water samples have been collected and analysed during the year 1994-'95.

The water quality study at the seven points in the river shows that the level of pH and BOD varies from 7.45 to 7.8 and 2.7 to 3.3 respectively. From the mean values of the characteristics, it is found that the water quality of the river meets the standards prescribed for surface water criteria under class 'C' on most of the occasions, except that there was a small increase in BOD level 3.6 mg/l in 11% of total samples and total coliform in 3% of the total samples and such marginal increase in these parameters have no influence on the quality of water significantly.

5.2.1.3. RIVER PALAR

Only one station viz., Vaniyambadi Municipal Head works is being monitored every month under this project. Analysis of water samples is done at the Advanced Environmental Laboratory, Madras. A total No. of 12 water samples have been collected and analysed.

Most of the characteristics such as pH, Dissolved Oxygen, BOD, Chlorides, Sulphate and total dissolved solids meet the water quality criteria fixed for inland surface waters class 'C' except for total coliform. The coliform population in 90% of the samples collected agree with the standard prescribed for surface waters. The increase in total coliform population exceeding the standards was observed in only 10% of the samples which might be attributed due to seepage of faecal contamination.

5.2.1.4. RIVER VAIGAI

The water quality of Vaigai river basin is being monitored under this programme by collecting samples every month from the collection well of Thirubuvanam Head works and 12 samples were collected and analysed for physico-chemical and bacteriological characteristics during the year 1994-'95.

All the characteristics were found to satisfy the water quality criteria fixed for inland surface waters class 'C'. It was found that there is no faecal contamination.

5.2.2.0. GLOBAL ENVIRONMENTAL MONITORING SYSTEM (GEMS)

Water quality of the Cauvery Basin is monitored at 3 stations and ground water quality is monitored at Musiri on a monthly basis. The project is funded by Central Pollution Control Board, New Delhi.

The monitoring stations are located in the following places :

- a) Mettur
- b) Pallipalayam
- c) Musiri
- d) Musiri-borewell

19 physico-chemical and biological parameters are analysed in respect of each station. Analysis is done at the Advanced Environmental Laboratory, Salem. 48 water samples were collected and analysed during the year 1994-'95.

In general, from the average values of the characteristics, it is observed that the river water quality at the above places meets the standards prescribed for surface water class 'C' for all parameters, except the parameters of total coliform and faecal coliform. The observed range for total coliform and faecal coliform is from 14,000 to 1,60,000 MPN/100 ml and 11,000 to 1,60,000 MPN/100 ml respectively. Wide variations were observed during pre-monsoon and post-monsoon seasons. Monsoon showers may have causative factors to bring the wastes originated from faecal contamination through surface run off and seepage from adjacent faecal contaminated areas.

5.3.0 PROTECTION OF CAUVERY RIVER

Under the National River Action Plan initiated by Ministry of Environment and Forests, Government of India, Pollution abatement proposals for the five highly polluted stretches of Cauvery River namely Bhavani, Komarapalayam, Erode, Pallipalayam and Trichy towns at a cost of Rs.38.20 Crores have been forwarded to Government of India. These proposals include the provision of low cost sanitation facilities to mitigate the pollution of river water due to open defecation, provision of crematoria, River front facilities such as the provision of crematoria, provision of Bathing ghats, afforestation along the bank etc., These schemes are centrally sponsored schemes with equal sharing of cost by Central and State Governments. Tamil Nadu Pollution Control Board has also formulated an Environmental Improvement Plan for Cauvery Basin at a cost of Rs.421 Crores for prevention of Pollution and preserving the quality of the water in Cauvery River. This proposal envisages mainly the construction of sewerage systems and sewage Treatment Plants for 23 Municipalities and 30 Town Panchayats located along the Banks of the Cauvery, besides the provision of river front developments, afforestation etc.,

5.4.0. MONITORING OF WATER QUALITY OF CITY WATERWAYS OF MADRAS CITY

The Tamil Nadu Pollution Control Board is monitoring the water quality of Madras City waterways namely, the Cooum, Adyar, Buckingham Canal and Otteri Nullah from the year 1989. Regular water samples are taken from the four city waterways at monthly intervals. The number of sampling points is as follows :

Sl. No.	River	No. of sampling points
1.	Adyar	22
2.	Cooum	21
3.	Buckingham Canal	22
4.	Otteri Nullah	22

The Tamil Nadu Pollution Control Board is also monitoring the outfalls from the various industries that enter into city waterways and also the outfalls from the 2 sewage treatment plants located at Koyambedu and at Nesapakkam. During the year 1994-'95, 1286 samples were collected and analysed at Advanced Environmental Laboratory, Madras - 4.

In general, Madras City waterways are contaminated by various organic and inorganic pollutants received from domestic, industrial and other man made activities. The levels of contamination of most of the pollutants are relatively higher, exceeding the tolerance limits prescribed for surface water, and these waterways more or less serve as a drainage channel which eventually degrades the fragile coastal marine eco-system.

5.5.0. MONITORING OF COASTAL WATERS OF TAMIL NADU COAST

The Tamil Nadu Pollution Control Board has been monitoring the Tamil Nadu Coastal Water Quality at regular intervals. A total number of 32 coastal stations under 5 sectors have been identified along the Tamil Nadu Coast starting from Ennore to Kanyakumari. Sea water samples and sediments are collected and various physico-chemical and biological parameters for these samples are analysed. During the year 1994-'95, 32 samples were collected and analysed. The pH values of coastal waters varied from 7.6 to 8.2.

In general, the quality of the coastal waters showed high level of contamination by domestic sewage and other organic wastes as evidenced by the values of nitrate and phosphate and petroleum hydro-carbons. The present study indicates that there is need for continuous monitoring in the stations for better management of the coastal eco-system.

5.6.0. VEHICLE EMISSION MONITORING

The Tamil Nadu Pollution Control Board, in pursuance of the G.O. Ms.No. 215 & 216 Dated 10-2-92 of Home (Transport) Department has established the following 4 stations based on the inventorisation of vehicles to test the vehicular emissions. Initially goods carriages alone are covered.

1. Guindy
2. Chetpet
3. Royapuram
4. Tirumangalam

The Tamil Nadu Pollution Control Board after testing the vehicle issues certificates to the effect that vehicles comply with the standards of smoke emissions. Based on this certificate, FC is issued by the Transport Department. During the year 1994-95 a total number of 17,950 goods carriages were tested. Out of these 1856 vehicles were found to exceed the limits.

The expansion of Vehicular Emission Monitoring Programme to other districts namely Chengalpattu-M.G.R., Dindigul Anna and Nilgiris Districts is under consideration and expected to commence early as per the G.O. Ms. No. 165 Environment and Forests Department Dated 28-06-94. Besides it is proposed to establish 5 District level test centres at Madurai, Trichy, Salem, Coimbatore and Vellore to issue pollution test certificate to the vehicles bound for Madras city for goods transportation.

5.7.0. MONITORING OF 17 CATEGORIES OF HIGHLY POLLUTING INDUSTRIES

The Ministry of Environment and Forests, Government of India, New Delhi vide Gazette Notification No.66/Dt. 12-2-92 has fixed a deadline for the 17 categories of highly polluting units to install the requisite facilities to meet the standards. In Tamil Nadu, 119 industries were identified as highly polluting units and the Chief Executives of all the units were invited for discussions. Based on the discussions, action plans have been evolved for each unit to improve the existing treatment facilities with a time-bound programme to achieve the standards prescribed by the Board under the Water and Air Acts.

Out of 119 medium and large scale industries, 115 Units have provided adequate pollution control measures to comply with the Board standards 2 Units (Thermal Power Stations) have been instructed to provide adequate pollution control measures to comply with Tamil Nadu Pollution Control Board standards and the remaining 2 Units (Aluminium -1. Pharmaceutical- 1) are closed.

CHAPTER - VI

PRESENT STATE OF ENVIRONMENTAL PROBLEMS AND COUNTER MEASURES

The Field Officers of the Board inspect each and every industry under their jurisdiction to assess the adequacy of treatment measures provided by the industries to treat industrial effluents and gaseous emissions, periodically. They also investigate complaints of pollution received from public, organisations and Government. Depending upon the category of industries (Red, Orange and Green), they are monitored periodically as mentioned below :

Red Category

- Large : Once in a Month
- Medium : Once in Two Months
- Small : Once in 3 - 4 Months

Orange Category

- Large : Once in Two Months
- Medium : Once in Three Months
- Small : Once in 4 - 6 Months

Green Category

- Large : Once in 3 Months
- Medium : Once in 6 Months
- Small : Once in 8 Year.

6.1.0. The Board issues consent in two stages :

- a) **Consent to establish :** This is issued depending upon the suitability of the site before the industry takes up building construction. During the year 1994-95, Consent to Establish was issued under Water Act to 11 Units, and under Air Act to 7 Units.
- b) **Consent to Operate :** This is issued after installation of the Effluent Treatment Plant and Air Pollution Control Measures to the satisfaction of the Board.

6.2. WATER POLLUTION CONTROL

Tamil Nadu Pollution Control Board enforces the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1978 and 1988. Industries which discharge sewage/trade effluent are required to apply for consent of the Board. All the industries generating trade effluent have to provide effluent treatment plant to treat the

trade effluent to satisfy the standards prescribed by the Tamil Nadu Pollution Control Board. Industries are constantly monitored regarding the functioning of their effluent treatment plants and samples of treated trade effluent 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 1994-95, 12474 Nos. of Sewage/Trade effluent Samples from the industries have been collected and analysed.

During the year 1994-95 the Board has issued 1196 Consent Orders under the Water (Prevention and Control of Pollution) Act, 1974. Details of issue of Consent (District wise) are shown in Annexure-VI A & B.

6.3.0 AIR POLLUTION CONTROL

Tamil Nadu Pollution Control Board enforces the provision of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987. Industries which let out process emission are regularly monitored through inspection of the Air Pollution Control measures provided by the Units. Industries which have not installed any Air Pollution Control measures are persuaded to provide suitable Air Pollution Control measures within a time frame. Ambient Air Quality Survey is conducted in and around the industries regularly. Stack emission survey is also conducted to assess the quality of emissions let out and on the basis of report of analysis, the industries are instructed to carry out necessary corrective measures. During the year 1994-95, 231 No. of Ambient Air Quality Surveys were conducted.

The Board issued 1017 consent orders under the Air (Prevention and Control of Pollution) Act, 1981 during the year 1994-95. Details of issue of consent (District wise) are shown in Annexure - VII A & B.

6.4.0 COMMON EFFLUENT TREATMENT PLANTS

6.4.1. The effluents generated by the Tanneries and Textile Dyeing units in Tamil Nadu have been causing serious environmental problems. Since a large number of these units are in clusters and also in the small scale sector the Board has launched a massive programme of setting up Common Effluent Treatment Plant establishing the principles 'Polluter Pays' by which the beneficiary units themselves have to accept full responsibility to set up, operate and maintain the treatment facilities. Tamil Nadu Pollution Control Board assists the units in mobilisation of financial resources, acquisition of land and in the Technical Scrutiny of the proposals for Common effluent Treatment Plants.

6.4.2. FINANCIAL PATTERN OF CETP SCHEME

- a. Subsidy by Central Government : 25% of the project cost subject to a max. of Rs. 50 lakhs.
- b. Subsidy by State Government : - Do -
- c. Beneficiaries Contributions : 20% of the project cost by way of share capital collection.
- d. Financial Institutions : Balance by way of loan from Financial Institutions such as IDBI.

6.4.3. STATUS OF COMMON EFFLUENT TREATMENT PLANT (CETP)

The Common Effluent Treatment Systems are proposed in the following sectors.

Tanneries	:	13
Textile & Dyeing Units	:	24
Sago	:	1
Hotel & Lodges	:	1
Incinerator for Hospital Wastes	:	1

The details of Common Effluent Treatment Plant Schemes and the fund so far received for the schemes from the States and Central Government are furnished in the Annexures VIII & IX.

The construction of Common Effluent Treatment Plant for 111 tanneries at Pammal has been completed with UNIDO assistance at a cost of about Rs. 7 Crores and commissioned.

The construction of CETP's at SIDCO Ranipet for tanneries and Ayyampet-Muthialpet for textile dyeing and bleaching are nearing completion. Also works on CETP's at Karur (4 Schemes) for Textile dyeing and Perumalpet, Melvisharam, Ambur, Chettithangal, Melpudupet, Ranipet-II for tanneries have commenced.

Common Effluent Treatment Plant undertaken by TALCO at Vaniyampadi has been completed and commenced. Also CETP's by TALCO at Ranipet, Ambur and Pernambet and Dindigul are nearing completion.

6.5.0. MANAGEMENT OF HAZARDOUS WASTES AND HAZARDOUS CHEMICALS

The Government of India, Ministry of Environment and Forests have enacted the following rules under the Environment (Protection) Act, 1986 for management of Hazardous substances.

1. Hazardous Waste (Management & Handling) Rules 1989.
2. Manufacture, storage and Import of Hazardous Chemicals Rules, (MSIHC Rules) 1989.

As per the above rules all generators and receivers of hazardous wastes for the purpose of collection, reception treatment, transport, storage and disposal of hazardous wastes will have to obtain the authorisation of the Tamil Nadu Pollution Control Board. At present 771 units generating hazardous wastes have been identified, Out of which 580 units have applied for authorisation. The Board has issued authorisation to 476 units.

The Board is taking effective steps for the safe disposal of hazardous wastes. As a first step, the Board has identified sites in 10 Districts in the State for disposal of hazardous wastes and initiated a proposal to put up a Common Hazardous Waste Disposal site at Manallur Village in Chengalpattu-MGR District for treatment and safe disposal of hazardous wastes generated from the industries in Manali and Ennore area. An extent of 50 Acres has been identified. To assess the suitability of the site NEERI, Nagpur has been awarded the work to carry out a comprehensive Environment Impact and Risk Assessment Study at a cost of Rs. 21.5 Lakhs. The study is spread over one year. NEERI has completed monsoon study. It is also proposed to locate a similar facility in an area of 89.54 Acres at Siruseri Village in Chengalpattu-MGR District to meet the needs of industries in Madras and part of Chengalpattu-MGR District. In respect of this site, NEERI has been awarded the work to carry out the Environment Impact and Risk Assessment Study at a cost of Rs. 10.5 Lakhs.

As per the provisions of MSIHC Rules, 1989 occupiers of Isolated Storages will have to notify the sites to the Tamil Nadu Pollution Control Board either in schedule 7 or schedule 8 as applicable. So far 14 Isolated storages of Hazardous chemicals have been identified.

Import of Hazardous Chemicals is also covered under these rules. Units importing Hazardous chemicals as listed in Schedule I of these rules should ensure that all the details of physical and chemical properties of Hazardous Chemicals are maintained in the form of material safety data sheets. These rules empower Tamil Nadu Pollution Control Board to request the Port Trust authorities to take appropriate steps regarding safe handling and storage of Hazardous Chemicals.

6.6.0. LABORATORIES

To assist the Board in the monitoring of industries, the Tamil Nadu Pollution Control Board has established 3 Advanced Environmental Laboratories, 3 District Environmental Laboratories and 6 Mobile Environmental laboratories to cover the industries located in various Districts. Samples of effluent are collected periodically and analysed. The details of samples analysed labwise during the period 1994-95 are shown at Annexure X & XI.

CHAPTER - VII

7.1. ENVIRONMENTAL TRAINING

With a view to promoting environmental awareness, Senior Officer, Engineers/ Scientists and also ministerial staff have participated in Training/Seminars/Workshops all over India and abroad.

The Board has set-up an Environmental Pavillion inside the premises of the Periyar Science and Technology Centre at Kotturpuram, Madras. The Pavillion will have a permanent Exhibition Centre and an Auditorium with audio-visual equipments such as public address system, slide and over-head projectors, as well as 60mm projector to be used by the Board and NGOs.

7.2. ENVIRONMENTAL TRAINING INSTITUTE

Preliminary work to establish the Environmental Training Institute with the aid of about Rs.4.0 Crores from DANIDA is under progress.

The main objective of the Training Institute is to impart training to the staff of Pollution Control Board, personnel from industries and Non- Governmental Organisations to make them competent and capable of controlling and advising small, medium and Large Industries on Pollution Treatment and Prevention techniques suitable to their needs.

CHAPTER - VIII

ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

The Board has been playing a catalytic role in the creation of Environmental awareness among the public, students, etc., It has been participating in Seminars and workshops related to environmental issues.

- 8.1. The Board participates every year in Republic Day Parade with a Pageant carrying the models of various activities of the Board.
- 8.2. The Board participated in the Chitrai Exhibition conducted by the Government of Tamil Nadu at Madurai from April to June '94.
- 8.3. Board participated in the 21st All India Tourist and Industrial Trade Fair '94 at Island Grounds, Madras conducted by the Government of Tamil Nadu from 29-12-94 to 19-4-95.
- 8.4. District/Regional/State level elocution competitions for students on Gandhiji Birth Anniversary on 2-10-94 were conducted.
- 8.5. The Board participated in the India International Trade Fair at New Delhi conducted by Government of India from 14th November to 27th November '94.
- 8.6. During 13-20th August '94 the Board participated in the "Automobile Pollution Awareness Convention" in collaboration with the Automobile Association of Southern India, Anna University and A.B.T.
- 8.7. During 13th-19th February, '95, Board participated in the Oil Conservation week in coordination with PCRA/ IOC/ MRL and ONGC by way of conducting free emission test for both petrol/diesel vehicles.

CHAPTER - IX

ENVIRONMENTAL STANDARDS

The Board has evolved standards for trade effluents depending upon the mode of disposal either into inland surface water, sewer, marine coastal areas or on land. Treated effluent from the industries must satisfy these standards.

The Board has evolved Ambient Air Quality standards and emission standards for thirteen specific industries.

Tamil Nadu Pollution Control Board is monitoring the units so that they adhere to the standards prescribed by the Board.

CHAPTER - X

PROSECUTION LAUNCHED & CONVICTIONS SECURED FOR ENVIRONMENTAL POLLUTION CONTROL

The Board has issued Show Cause Notice to 732 industries and Closure Order to 147 industries during the period upto 31-3-95 for not complying with the condition prescribed by the Board. Also the Board has filed 320 cases under the Water (Prevention and Control of Pollution) Act, 1974 out of 169 cases disposed, 82 cases have been decided in favour of Board. The Board has filed 134 cases under the Air (Prevention and Control of Pollution) Act, 1981. Out of 103 cases disposed, 73 cases have been decided in favour of Board.

CHAPTER - XI

FINANCE AND ACCOUNTS OF THE BOARD (Provisional figures subject to audit)

		Rs. in Lakhs
Opening Balance		89.45
Expenditure during the Year 1994-95		758.13
Receipts		1028.31
Closing balance as on 31-3-95		359.63
 DETAILS		
Receipts of the Board-Grants received from STATE GOVERNMENT		10.00
Grants received from CENTRAL GOVERNMENT		- Nil -
Consent Fees		513.80
Monitoring and Analysis Charges		114.08
Cess		252.53
Sale of Application Form & Books		6.66
Others		131.24
TOTAL		1028.31
 EXPENDITURE REVENUE		
1. Salary and GPF	387.27	
2. T.A. and L.T.C.	11.63	
3. Office Expenditure (Stationery, Rent, Vehicle, Telephone, Printing, Hospitality, etc.)	101.66	<u>500.50</u>
 CAPITAL		
1. Fixed Assets	10.67	
2. Other Assets	234.46	
3. Advance to Staff	12.50	<u>257.63</u>
SUB TOTAL		758.13

CHAPTER - XII

ANNUAL PLAN 1995 - 1996

OUTLAY AND EXPENDITURE STATE SCHEMES

(Rs. in Lakhs)

Sl. No.	Head of Development Group Head/Name of Scheme	Eighth Five year plan outlay 90-95	Actual Expenditure 93-94	1994 - 1995		1995 - 1996		Of which capital content (Tentative)
				Approved Outlay	Anticipated Expenditure	Proposed Outlay		
1.	State Plan							
2.	Prevention of Air and Water Pollution			10.00	10.00	60.75		51.60
3.	Control of Water and Air Pollution	2000.00	35.00	10.00	10.00	60.75		51.60

CHAPTER - XIII

13.1. MONITORING OF ECOLOGICALLY SENSITIVE AREAS

Ecologically sensitive areas like Pichavaram Mangrove forest, Kodaikanal and Ooty lakes etc., are nature's gifts and need to be protected and pollution in the vicinity of these areas need to be monitored. A strategy for treatment of pollutants and protection of these areas needs to be evolved. The Board has taken up monitoring of ecologically sensitive areas.

13.2. IMPLEMENTATION OF PUBLIC LIABILITY INSURANCE ACT 1991

The purpose of the above Act is to provide immediate relief to the persons affected by accidents occurring while handling any hazardous substances and for matters connected with or incidents there to. So far 86 units have taken the Insurance Policies.

13.3. ENVIRONMENTAL SUSTAINABILITY AT MANALI

Manali area is a large industrial complex and the pressure is to locate more industries there. At present there is no reliable data on the capability of the existing receiving bodies to meet the increased pollution loads. To assess the sustainability of the area, a study has been initiated at a cost of Rs.38 Lakhs. The Centre for Pollution Control and Bio-Waste Energy, Pondicherry (Central) University has been assigned the work and it is in progress.

13.4. ENVIRONMENTAL STATEMENT

The Ministry of Environment and Forests, Government of India have enacted a new rule called Environmental Audit by a Gazette Notification on 13th March, 1991 (amended vide Notification GSR 386 (E), Dated 22nd April 1993) as Environmental Statement. 174 Industries have furnished the Environmental Statement as required under Section 6 and 25 of the Environment (Protection) Act 1986. "One Day Workshop on Environmental Statement" was also conducted at Madras in co-ordination with Confederation of Indian Industries (CII) and Madras Chamber of Commerce and National Productivity Council to apprise the industries in and around Madras and officers of the Board about the preparation and scrutiny of the statement and the benefits.

13.5. ASIAN DEVELOPMENT BANK AIDED "ENVIRONMENTAL MONITORING" AND POLLUTION CONTROL PROJECT

Asian Development Bank has provided technical assistance to Tamil Nadu Pollution Control Board to the extent of \$ 4,90,000 for 'Environmental Monitoring and Pollution Control Projects'. Government's clearance to the project was accorded in G.O. Ms.No. 47, E&F (EC-II) Department, Dated 6-1-1992. The contract between with M/s. Stanley Associates Engineering Limited, Canada in Association with Alberta Special Waste Management Corporation, Canada, Mott Mac Donald Group, United Kingdom and M.N. Dastur and Company Limited, India on the one hand and Tamil Nadu Pollution Control Board on the other was signed on 5-5-93 at Manila.

The main objective of the technical assistance is to develop industrial and hazardous waste pollution abatement programmes for the State of Tamil Nadu with particular attention to providing incentives for polluters to curb waste generation.

Accordingly Mr. Bruce H. Thompson of M/s. Stanley Associates Team Leader, and Seven other foreign consultants who are experts in various fields namely Data Base Management, Water Quality / Environmental Impact Assessment, Industrial Effluent and Hazardous wastes, Air Pollution and Institutional specialist have commenced their services on 10-6-1993 and the final project report was submitted on August 1994.

The Project Report covered the following aspects :

- Proposals for pollution control / waste management investments, based on assessment of priority Environmental issues, environmental management needs and technical problems in Tamil Nadu.
- Building of Institutional capacity towards the resolution of current and future Environmental problems in Tamil Nadu.

13.6. UNIDO AIDED PROJECTS

UNIDO provides necessary technical assistance in the form of consultancy and equipments to the following programmes in Tamil Nadu to the tune of US \$ 1,357,657.

1. CETP - Pammal Pallavaram : US \$ 400,000

2. Model ETP for isolated tanners

a) M/s. Presidency Kid Leathers, : US \$ 10,000
Kannivakkam,
Chengalpattu-MGR District (South)

b) M/s. Meera Hussain & Co., : US \$ 40,700
Nandiyalam,
North Arcot Ambedkar District

3. Cleaner Technology

a) Ammonia free and cleaner wet Tanning : US \$ 52,000
(M/s. Tajmools Industries Ltd.,
North Arcot Ambedkar District)

b) Chrome recovery reuse : US \$ 46,000
(M/s. Arafat Tannery, Pammal)

c) Mechanical Desalting : US \$ 5,000
(M/s. General and Industrial
Leathers, Pammal)

d) Sulphide reduced liming : US \$ 7,000
(M/s. Hearty Leather Company,
Pammal)

4. Ranipet SIDCO - TALCO CETP : US \$ 184,000

Tamil Nadu Pollution Control Board implements the projects of Common Effluent Treatment Plant at Pammal-Pallavaram and Model Effluent Treatment Plant for isolated tanneries. Central Leather Research Institute implements the four cleaner technology projects. Common Effluent Treatment Plant Scheme at Ranipet is being implemented by Tamil Nadu Leather Development Corporation.

The Chairman, Tamil Nadu Pollution Control Board is the National Project Co-ordinator for the above UNIDO Aided Projects.

13.7. NON-GOVERNMENT ORGANISATION CELL

Non-Government Organisation Cell was established in Tamil Nadu Pollution Control Board with effect from 10-6-94. This cell will create a network of NGOs in consultation with other State Boards and Central Pollution Control Board. The cell will function as a nodal agency between NGOs, State Pollution Control Board and Central Pollution Control Board on one side and as a forum for creating awareness on the other side.

Presently, the following activities are being undertaken :

1. Enlistment of Environmental NGOs involved in activities related to Pollution Control.
2. Establishment of NGO network in consultation with State Pollution Control Board.
3. Providing training for the NGOs.
4. Organising mass awareness programmes and Pollution Control activities through NGOs.
5. Organising seminars and meetings in collaboration with NGOs in all Districts.
6. Creation of data bank.
7. Screening of Video and Film shows.
8. Production of documentaries in Television and Radio.

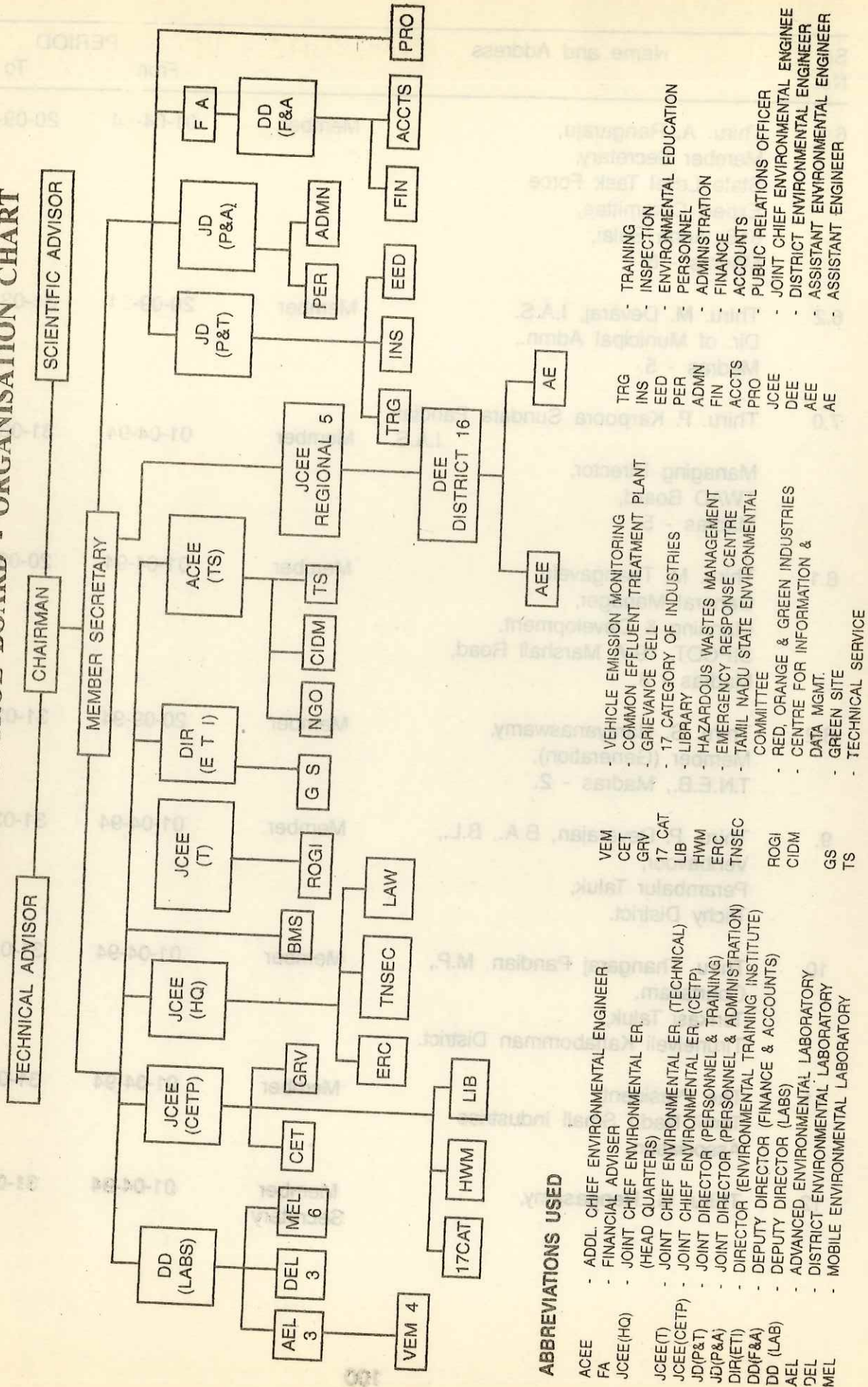
ANNEXURE - I

LIST OF BOARD MEMBERS

Sl. No.	Name and Address		PERIOD	
			From	To
1.1	Thiru. C. Thangaraju, I.A.S.	Chairman	01-04-94	31-03-95
2.1	Tmt. S. Malathy, I.A.S. Special Secretary to Govt., Finance Department, Fort St. George, Madras-9.	Member	01-04-94	26-07-94
2.2	Thiru. M. Kutralingam, I.A.S. Jt. Secretary to Govt., Finance Department, Fort St. George, Madras - 9.	Member	26-07-94	14-12-94
2.3	Thiru R.N.Choubey, I.A.S., Jt. Secretary to Govt., Finance (BPE) Department, Fort St. George, Madras - 9.	Member	14-12-94	31-3-95
3.1	Thiru. M. Soundarapandian, Dy. Secretary to Govt., Environment & Forest Dept., Fort St. George, Madras - 9.	Member	01-04-94	22-09-94
3.2	Thiru. V. Manivannan, I.A.S. Secretary to Govt., Environment & Forests Dept., Fort St. George, Madras - 9.	Member	22-09-94	31-03-95
4.1	Thiru. Surjit K. Chaudhary, I.A.S. Dir. of Town & Country Planning, Madras - 2.	Member	01-04-93	14-10-94
4.2	Thiru. A. Elangovan, I.A.S., Dir. of Town & Country Planning, Madras - 2.	Member	14-10-94	31-03-95
5.	Dr. K.V. Shantha, Dir. of Public Health and Preventive Medicine, Madras - 6.	Member	01-04-94	31-03-95

Sl. No.	Name and Address		PERIOD	
			From	To
6.1	Thiru. A. Rangaraju, Member Secretary, State Level Task Force Expert Committee, 616, Anna Salai, Madras - 6.	Member	01-04-94	20-09-94
6.2	Thiru. M. Devaraj, I.A.S. Dir. of Municipal Admn., Madras - 5.	Member	20-09-94	31-03-95
7.0	Thiru. P. Karpoora Sundara Pandian, I.A.S. Managing Director, TWAD Board, Madras - 5.	Member	01-04-94	31-03-95
8.1	Thiru. M. Thangavelu, General Manager, Planning & Development, SIPCOT, 19-A Marshall Road, Madras - 8.	Member	01-04-94	20-09-94
8.2	Thiru. S. Narayanaswamy, Member (Generation), T.N.E.B., Madras - 2.	Member	20-09-94	31-03-95
9.	Thiru. P. Devarajan, B.A., B.L., Venbavoor, Perambalur Taluk, Trichy District.	Member	01-04-94	31-03-95
10.	Thiru. Thangaraj Pandian, M.P., Courtallam, Tenkasi Taluk, Tirunelveli Kattabomman District.	Member	01-04-94	31-03-95
11.	The President, Tamil Nadu Small Industries Association.	Member	01-04-94	31-03-95
12.	Thiru. G. Rengasamy,	Member Secretary	01-04-94	31-03-95

TAMIL NADU POLLUTION CONTROL BOARD - ORGANISATION CHART



ABBREVIATIONS USED

- ADDL. CHIEF ENVIRONMENTAL ENGINEER
- FINANCIAL ADVISER
- JOINT CHIEF ENVIRONMENTAL ER. (HEAD QUARTERS)
- JOINT CHIEF ENVIRONMENTAL ER. (TECHNICAL)
- JOINT CHIEF ENVIRONMENTAL ER. (CETP)
- JOINT DIRECTOR (PERSONNEL & TRAINING)
- JOINT DIRECTOR (PERSONNEL & ADMINISTRATION)
- DIRECTOR (ENVIRONMENTAL TRAINING INSTITUTE)
- DEPUTY DIRECTOR (FINANCE & ACCOUNTS)
- DEPUTY DIRECTOR (LABS)
- ADVANCED ENVIRONMENTAL LABORATORY
- DISTRICT ENVIRONMENTAL LABORATORY
- MOBILE ENVIRONMENTAL LABORATORY
- VEHICLE EMISSION MONITORING
- COMMON EFFLUENT TREATMENT PLANT
- GRIEVANCE CELL
- 17 CATEGORY OF INDUSTRIES
- LIBRARY
- HAZARDOUS WASTES MANAGEMENT
- EMERGENCY RESPONSE CENTRE
- TAMIL NADU STATE ENVIRONMENTAL COMMITTEE
- RED, ORANGE & GREEN INDUSTRIES
- CENTRE FOR INFORMATION & DATA MGMT.
- GREEN SITE
- TECHNICAL SERVICE
- TRAINING
- INSPECTION
- ENVIRONMENTAL EDUCATION
- PERSONNEL
- ADMINISTRATION
- FINANCE
- ACCOUNTS
- PUBLIC RELATIONS OFFICER
- JOINT CHIEF ENVIRONMENTAL ENGINEER
- DISTRICT ENVIRONMENTAL ENGINEER
- ASSISTANT ENVIRONMENTAL ENGINEER
- ASSISTANT ENGINEER
- VEM
- CET
- GRV
- 17 CAT
- LIB
- HWM
- ERC
- TNSEC
- ROGI
- CIDM
- GS
- TS
- TRG
- INS
- EED
- PER
- ADMIN
- FIN
- ACCTS
- PRO
- JCEE
- DEE
- AEE
- AE

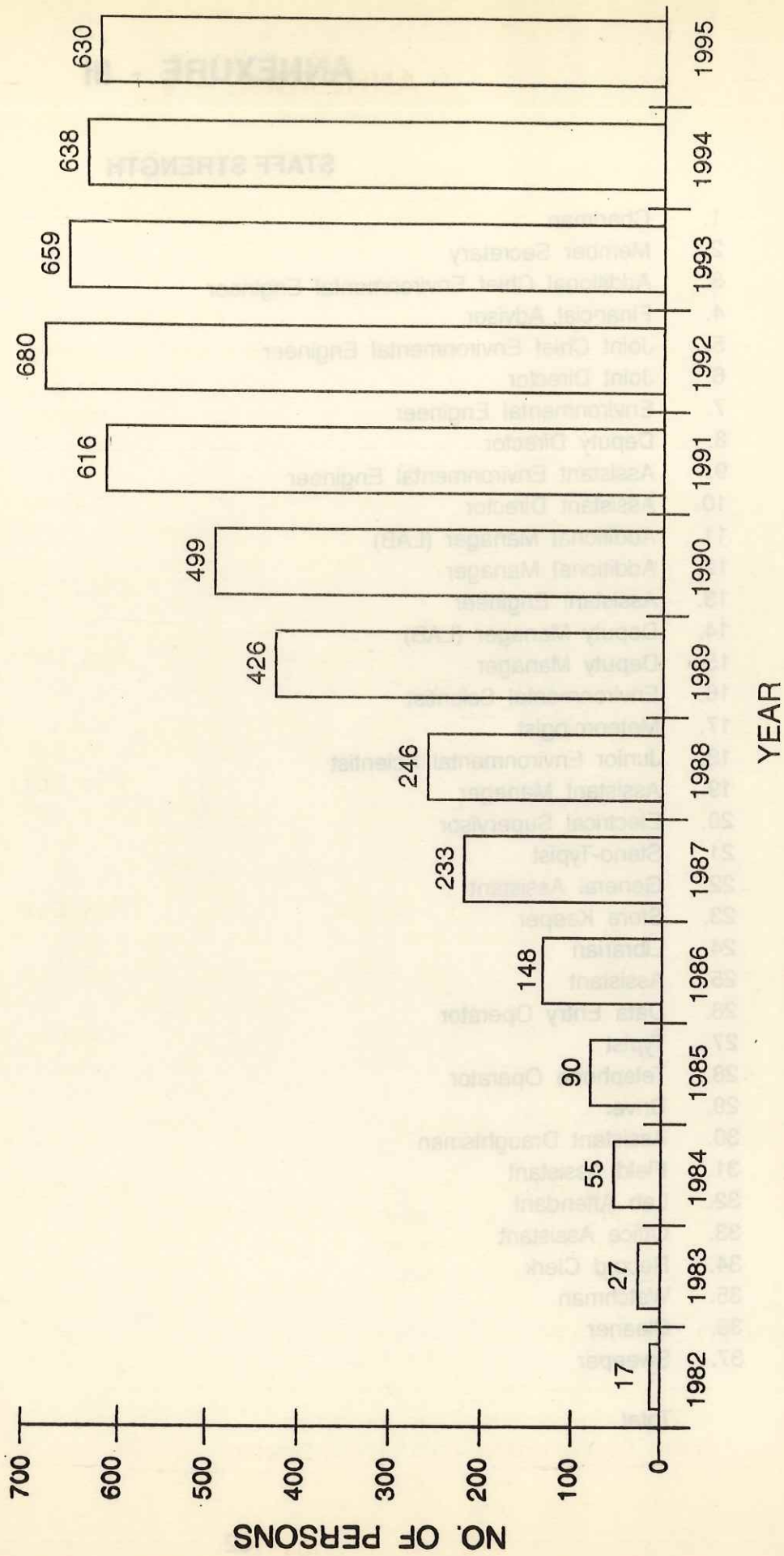
ANNEXURE - III

STAFF STRENGTH

1.	Chariman	-	1
2.	Member Secretary	-	1
3.	Additional Chief Environmental Engineer	-	1
4.	Financial Advisor	-	1
5.	Joint Chief Environmental Engineer	-	2
6.	Joint Director	-	2
7.	Environmental Engineer	-	10
8.	Deputy Director	-	2
9.	Assistant Environmental Engineer	-	38
10.	Assistant Director	-	3
11.	Additional Manager (LAB)	-	3
12.	Additional Manager	-	5
13.	Assistant Engineer	-	91
14.	Deputy Manager (LAB)	-	13
15.	Deputy Manager	-	12
16.	Environmental Scientist	-	44
17.	Meteorologist	-	2
18.	Junior Environmental Scientist	-	9
19.	Assistant Manager	-	22
20.	Electrical Supervisor	-	1
21.	Steno-Typist	-	33
22.	General Assistant	-	53
23.	Store Keeper	-	1
24.	Librarian	-	2
25.	Assistant	-	59
26.	Data Entry Operator	-	1
27.	Typist	-	45
28.	Telephone Operator	-	2
29.	Driver	-	47
30.	Assistant Draughtsman	-	3
31.	Field Assistant	-	40
32.	Lab Attendant	-	8
33.	Office Assistant	-	62
34.	Record Clerk	-	1
35.	Watchman	-	8
36.	Cleaner	-	1
37.	Sweeper	-	1
Total			<u>630</u>

TAMIL NADU POLLUTION CONTROL BOARD

ORGANISATION GROWTH 1982-1995



ANNEXURE - V

IMPORTANT CONFERENCE, MEETINGS ATTENDED BY THE CHAIRMAN AND MEMBER SECRETARY

CHAIRMAN

Sl. No.	Subject	Place of Meeting	Date
1.	Discussion with Officials of Maharashtra Pollution Control Board and Inspection of Textile Dyeing Units in and around Bombay.	Bombay	20-04-94 to 22-04-94
2.	Meeting of the National Environmental Council under the Chairmanship of Hon'ble Prime Minister	New Delhi	25-04-94 to 27-04-94
3.	XXXIX Meeting of Chairmen and Member Secretaries of Pollution Control Boards.	New Delhi	02-08-94 to 03-08-94
4.	Meeting of Parliamentary Standing Committee on Science and Technology	New Delhi	08-09-94
5.	International Conference on Environmental and Health in Developing Countries at Indain Institute of Management.	Calcutta	15-12-94 to 18-12-94
6.	World Bank Industrial Pollution Control Proejcts Meeting convened by Ministry of Environment and Forests, Government of India.	New Delhi	07-03-95.

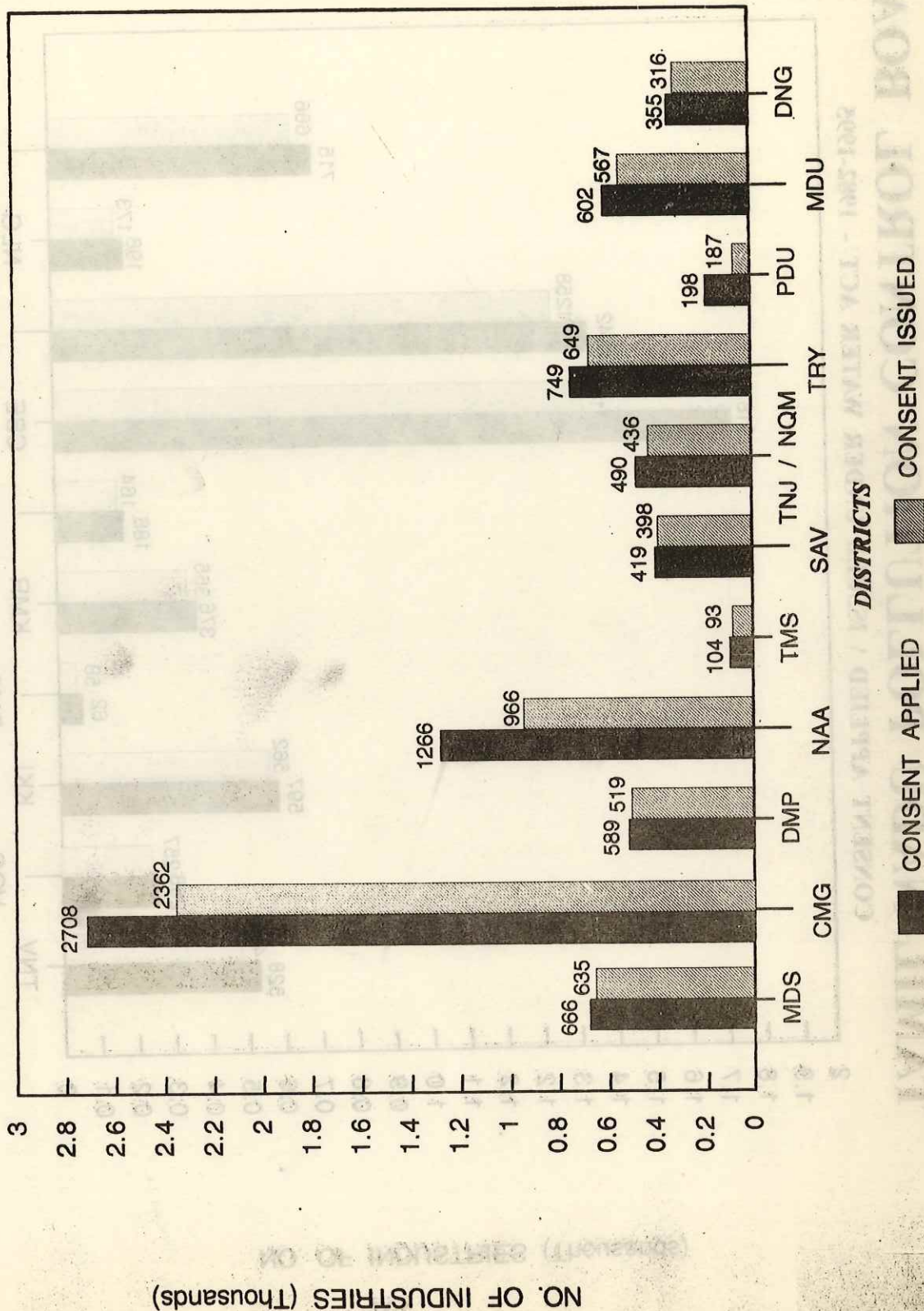
MEMBER SECRETARY

1.	Discussion with Officials of Maharashtra Pollution Control Board and Inspection of Textile Dyeing Units in and around Bombay	Bombay	20-04-94 to 22-04-94
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Sl. No.	Subject	Place of Meeting	Date
2.	Meeting of the National Environmental Council under the Chairmanship of Hon'ble Prime Minister.	New Delhi	26-04-94 to 27-04-94
3.	XXXIX Meeting of Chairmen and Member Secretaries of Pollution Control Boards.	New Delhi	02-08-94 to 03-08-94
4.	Sub-Committee Meeting Convened by Central Pollution Control Board	New Delhi	24-09-94
5.	World Bank Industrial Pollution Control Projects Meeting convened by Ministry of Environment and Forests, Government of India.	New Delhi	07-03-95

TAMIL NADU POLLUTION CONTROL BOARD

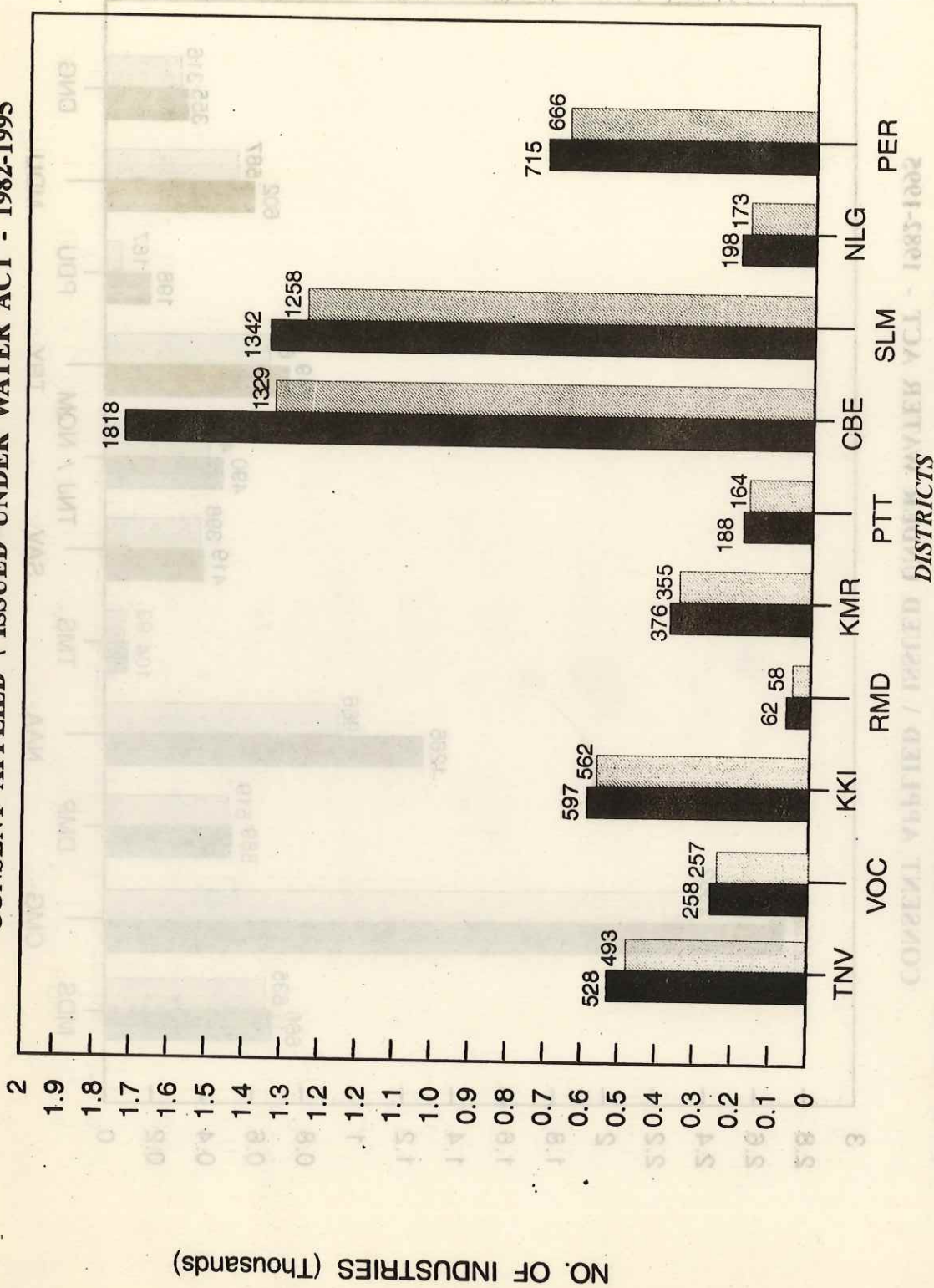
CONSENT APPLIED / ISSUED UNDER WATER ACT - 1982-1995



NO. OF INDUSTRIES (Thousands)

TAMIL NADU POLLUTION CONTROL BOARD

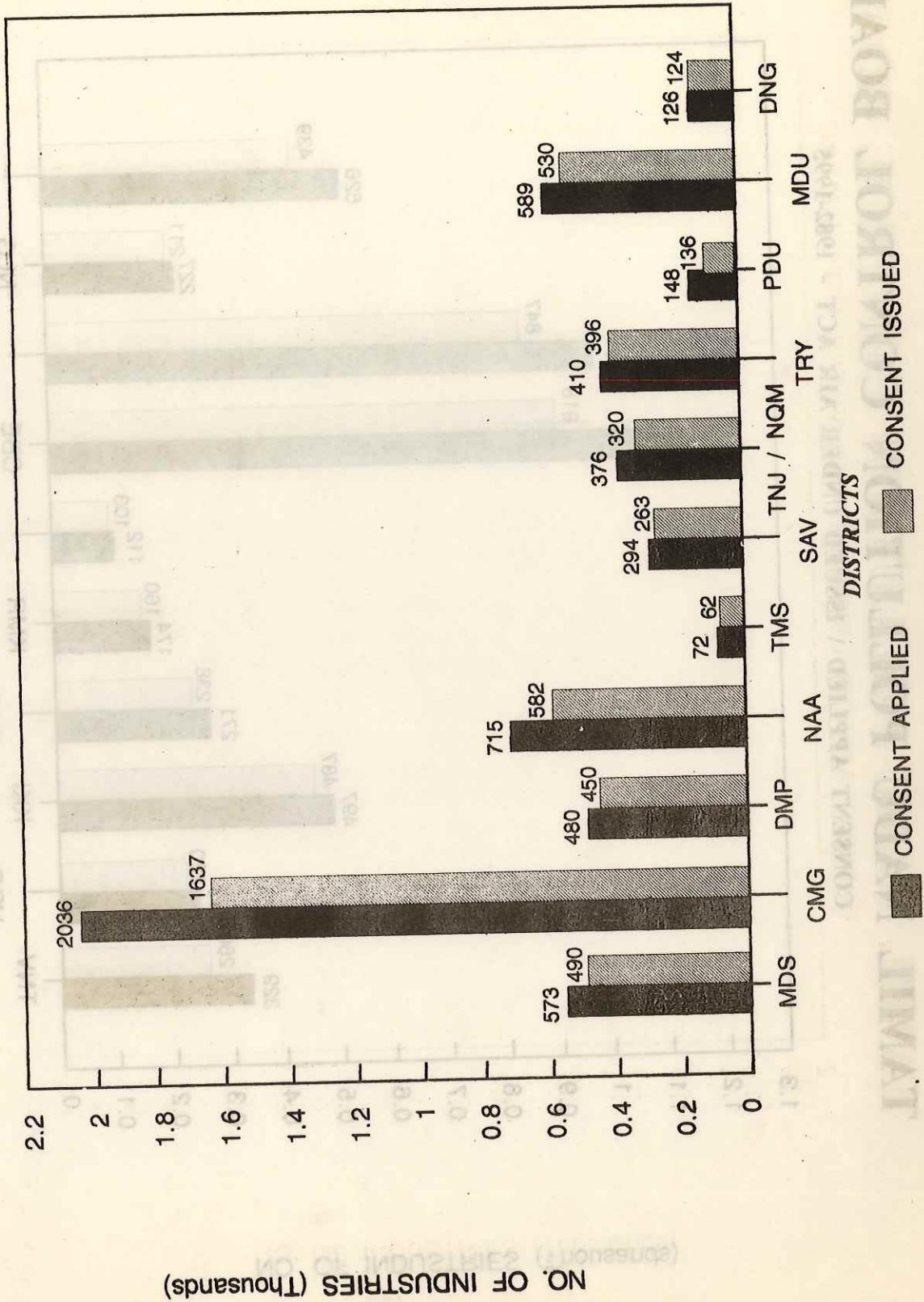
CONSENT APPLIED \ ISSUED UNDER WATER ACT - 1982-1995



NO. OF INDUSTRIES (Thousands)

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT APPLIED \ ISSUED UNDER AIR ACT - 1982-1995

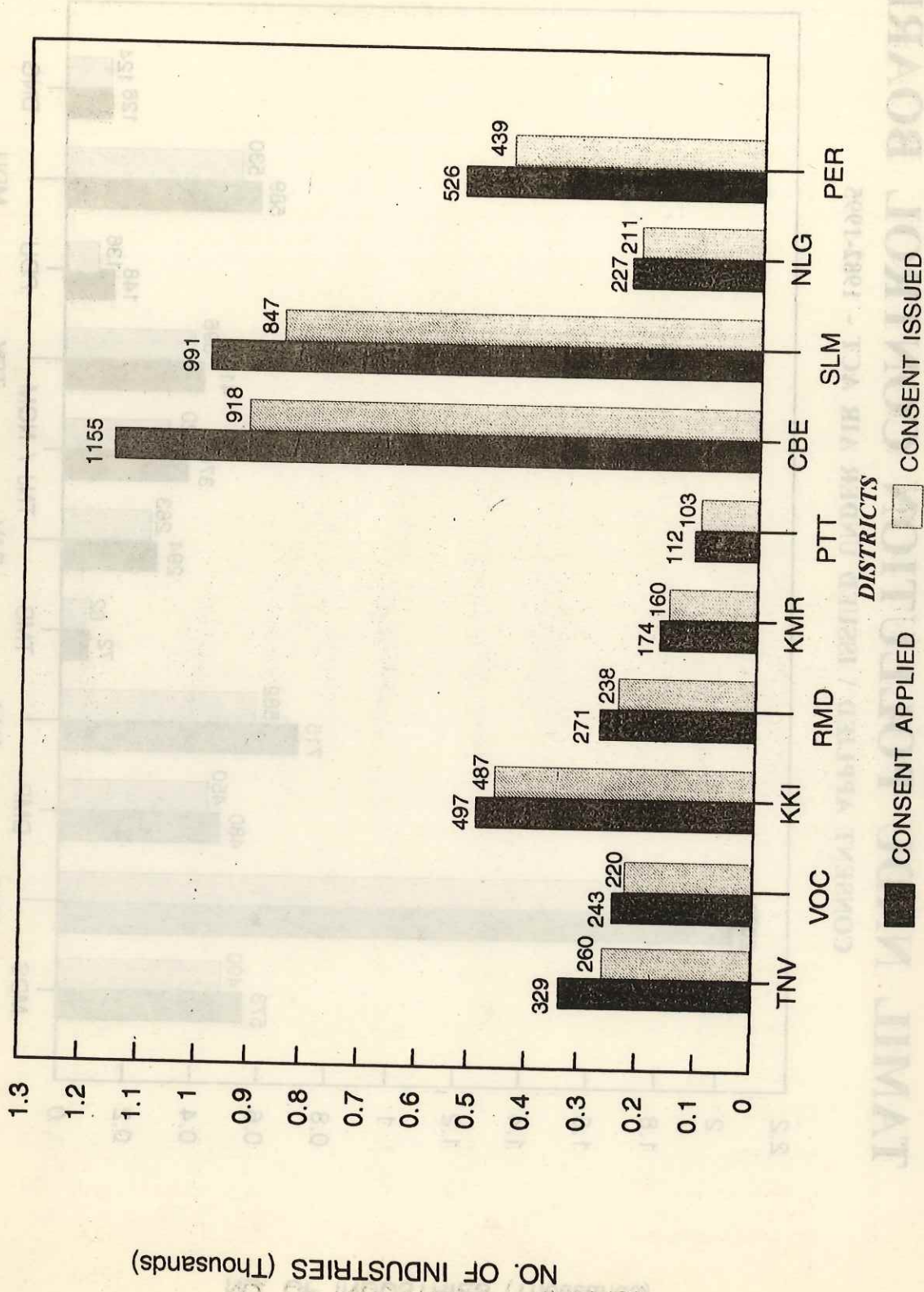


NO. OF INDUSTRIES (Thousands)

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT APPLIED \ ISSUED UNDER AIR ACT - 1982-1995

ANNEXURE - VII-B



NO. OF INDUSTRIES (Thousands)

ANNEXURE - VIII

DETAILS OF COMMON EFFLUENT TREATMENT PLANT SCHEMES AT VARIOUS PLACES

Sl. No.	Location of CETP	District	No. of Beneficiary	Quantity of Effluent KLD	Cost of Project (Rs. in Cr.)
A - TANNERIES					
1.	Pammal / Pallavaram	Chengai-MGR	111	3000	7.03
2.	Erode	Periyar	85	8700	6.10
3.	Ranipet SIDCO	N.A.Ambedkar	88	2500	2.75
4.	Melpudepet	"	19	550	1.10
5.	Chettithangal	"	11	480	0.92
6.	Perumalpet	"	50	4000	5.24
7.	Melvisharam	"	36	3400	3.55
8.	Pudur	"	9	475	1.27
9.	Valayampet	"	20	1466	2.00
10.	Ranipet SIDCO & SIPCOT Phase II	"	40	1560	2.36
11.	Ambur	"	19	1500	2.59
12.	Pernampet	"	10	600	1.54
13.	Dindigul	Dindigul Anna	33	3600	4.20
		SUB TOTAL	531	31831	40.65
B - DYEING UNITS					
1.	Ayyampet - Muthialpet	Chengai - MGR	58	1500	1.42
2.	Erode - I	Periyar	211	1164	*
3.	Erode - II	"	191	725	*
4.	Bhavani	"	64	338	*
5.	Chenniamalai	"	60	500	0.98
6.	Komarapalayam	Salem	120	600	1.00
7.	Karur - I (R.K. Puram)	Trichy	49	1250	1.44

Sl. No.	Location of CETP	District	No. of Beneficiary	Quantity of Effluent KLD	Cost of Project (Rs. in Cr.)
8.	Karur - II (Andankoil)	Trichy	49	1900	1.95
9.	Karur - III (Amaravathi Nagar)	"	53	2400	2.01
10.	Karur - IV (Light House)	"	58	1150	1.44
11.	Karur - V (Thirumanilaiyur)	"	62	2100	1.73
12.	Karur - VI (Sukkaliyur)	"	53	1400	1.69
13.	Karur - VII (Chellandipalayam)	"	135	2600	2.25
14.	Andipalayam	Coimbatore	57	9000	4.40
15.	Anaipalayam	"	52	9000	4.90
16.	Mangalam	"	42	4500	3.50
17.	Angeripalayam	"	75	13200	7.60
18.	Chinnakarai	"	106	32000	1.44
19.	Kulathupalayam	"	64	11500	5.53
20.	Murugampalayam	"	53	10500	5.25
21.	Kasipalayam	"	86	**	5.00
22.	Mannarai	"	35	7700	3.60
23.	Veerapandi	"	82	17768	4.50
24.	Manickapurampudur	"	32	**	3.00
		SUB TOTAL	1847	132795	64.63
C. HOTELS					
1.	Kodaikanal	Dindigul Anna	93	820	1.30
D. SAGO					
1.	Salem	Salem	76	6465	4.00
E. HOSPITALS					
1.	Salem	Salem	58	654	0.04
	TOTAL		2605	172565	110.62

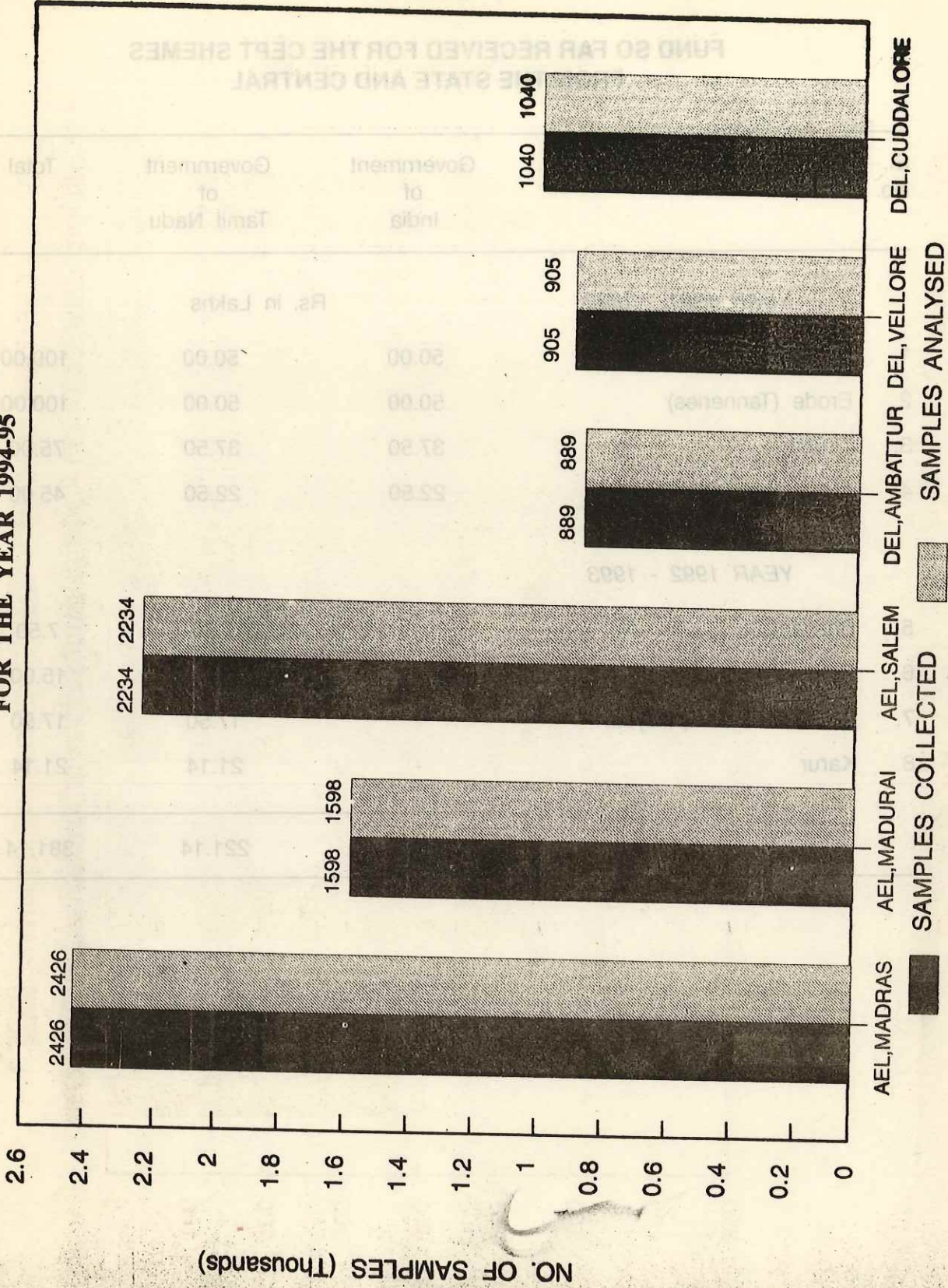
* To be finalised
** Details awaited

ANNEXURE - IX

FUND SO FAR RECEIVED FOR THE CETP SCHEMES FROM THE STATE AND CENTRAL

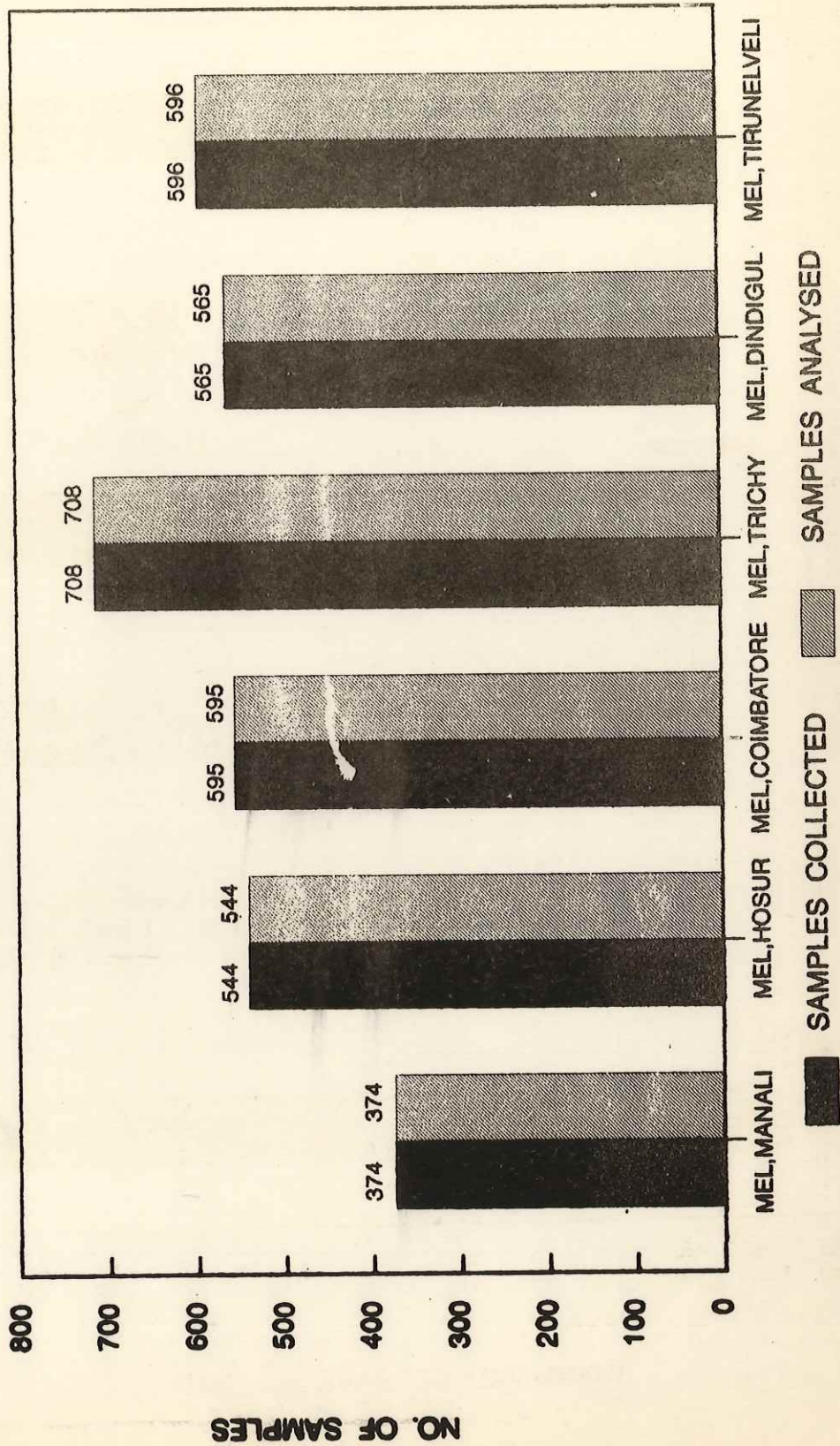
Sl. No.	Name of CETP	Government of India	Government of Tamil Nadu	Total
<i>YEAR 1991 - 1992</i>				
		Rs. in Lakhs		
1.	Pammal / Pallavaram	50.00	50.00	100.00
2.	Erode (Tanneries)	50.00	50.00	100.00
3.	Tirupur	37.50	37.50	75.00
4.	Ayyampet - Muthialpet	22.50	22.50	45.00
<i>YEAR 1992 - 1993</i>				
5.	Bhavani	-	7.50	7.50
6.	Erode - I (Dyeing)	-	15.00	15.00
7.	Erode - II, Kasipalayam	-	17.50	17.50
8.	Karur	-	21.14	21.14
TOTAL		160.00	221.14	381.14

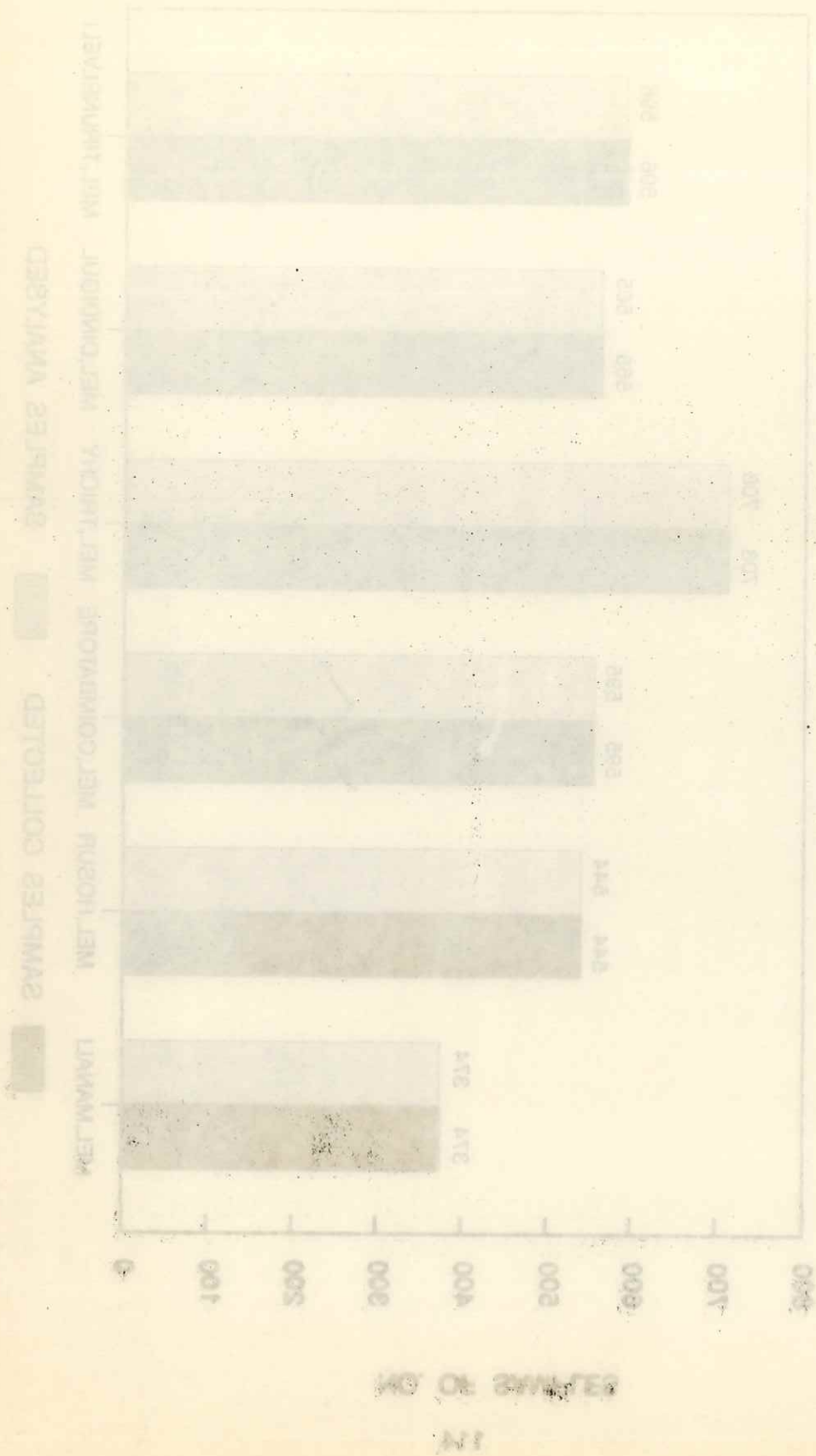
TAMIL NADU POLLUTION CONTROL BOARD PERFORMANCE OF AEL AND DEL FOR THE YEAR 1994-95



TAMIL NADU POLLUTION CONTROL BOARD
PERFORMANCE OF MEL
FOR THE YEAR 1994-95

ANNEXURE - XI





FOR THE YEAR 1978
PERFORMANCE OF NET
ANALYSIS COLLECTION BOARD

AUDITOR'S REPORT

on the Accounts of the Tamil Nadu Pollution Control Board for the year ended 31st March 1995

We have audited the attached Balance Sheet as at 31st March 1995 of the Tamil Nadu Pollution Control Board and also the Receipts and Payments account and the Income and Expenditure account for the year ended 31st March 1995, signed by us this even date and have to report thereon as under:

- (a) We have obtained all information and explanations which to the best of our knowledge and belief, were necessary for the purposes of our audit.
- (b) In our opinion, proper books of account have been kept by the Board, so far as appears from our examination of such books.
- (c) The attached Balance Sheet, Receipts and Payments account and Income and Expenditure Account which are set out as provided in Rule 35 of the Tamil Nadu (Prevention and Control of Pollution) Rules 1985 and dealt with in this report are found to accord with the books of account maintained by the Board.
- (d) Payments for Lands at several locations for which as explained in our documents have been executed.

**ANNUAL ACCOUNTS FOR THE YEAR
1994 - 95**

- (e) Payments made to some suppliers are shown included under "Advances to suppliers" even though the materials have already been received or services rendered to the Board. These are yet to be adjusted to either the relative asset account or to expense heads.
- (f) "Other Advances (Recoverable)" includes Tour and Temporary Advances relating to earlier years amounting to Rs.4,25,421/- for which details are not available, and which are pending either adjustment or recovery.
- (g) Funds in Tamil account as on 31st March 1995 require to be reconciled.
- (h) Out of the sum of Rs.89,704/- (which is last year's balance carried to this year) shown in the Balance Sheet as "Balance" (87,25,850/- being technical staff support for audit equipment" and Rs.20,270/- being "technical staff support for environmental audit (revenue)", are balances brought forward from last year, representing expenses.
- (i) In our opinion and to the best of our information and according to explanations given to us, the said accounts read with the schedules thereto and the notes thereon, and subject to paragraphs (b) to (h) above, give the information required by the Tamil Nadu Water (Prevention and Control of Pollution) Rules 1985 in the manner so required and give a true and fair view:

**TAMIL NADU POLLUTION CONTROL BOARD
Madras - 600 032.**

AUDITOR'S REPORT

on the Accounts of the Tamil Nadu Pollution Control
Board for the year ended 31st March 1995.

We have audited the attached Balance Sheet as at 31st March 1995 of the Tamil Nadu Pollution Control Board and also the Receipts and Payments account and the Income and Expenditure account for the year ended 31st March 1995, signed by us this even date and have to report thereon as under :

- a) We have obtained all information and explanations which to the best of our knowledge and belief, were necessary for the purposes of our audit.
- b) In our opinion, proper books of account have been kept by the Board, so far as appears from our examination of such books.
- c) The attached Balance Sheet, Receipts and Payments account and Income and Expenditure Account which are set out as provided in Rule 36 of the Tamil Nadu (Prevention and Control of Pollution) Rules 1983 and dealt with in this report are found to accord with the books of account maintained by the Board.
- d) Payments for Lands at several locations, for which as explained to us documents have been executed, some of which are registered and some are pending registration, are shown as "Land Advance" under "Miscellaneous Advances", and are yet to be transferred to the relevant Fixed Asset Account.
- e) Payments made to some suppliers in earlier years are shown included under "Advances to suppliers", even though the materials have already been received or services referable to the Bills have already been completed. These are yet to be adjusted to either the relative asset account or to expense heads.
- f) "Other Advances (Recoverable)" includes Tour and Temporary Advances relating to earlier years amounting to Rs.4,23,421/- for which details are not available, and which are pending either adjustment or recovery.
- g) Funds in Transit account as on 31st March 1995 requires to be reconciled.
- h) Out of the sum of Rs.83,81,704/- (which is last year's balance carried to this year) shown in the Balance Sheet as "Schemes" (Schedule 'P') Rs.3,25,850/- being "technical staff support for audit equipment" and Rs.502760/- being, "Technical Staff support for environmental audit (revenue)" are balances brought forward from last year, representing expenses.
- i) In our opinion and to the best of our information and according to explanations given to us, the said accounts read with the schedules thereto and the Notes thereon, and subject to paragraphs (d) to (h) above, 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 :
 - i) In the case of the Balance Sheet, of the state of affairs of the Board as at 31st March 1995.
 - ii) In the case of the Receipts and Payments account, of the total receipts and payments of the Board for the year ended 31st March 1995, and
 - iii) In the case of the Income and Expenditure account, of the Excess of Income over Expenditure of the Board for the year ended 31st March 1995.

Place : Madras
Dated : 8-12-95

For A. SRINIVASAN & ASSOCIATES
Chartered Accountants

(Sd) - A. SRINIVASAN
Partner

RECEIPTS AND PAYMENTS ACCOUNT

FOR THE YEAR ENDED 31ST MARCH 1995

118 - 123

INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 31ST MARCH 1995

124 - 125

BALANCE SHEET

AS AT 31ST MARCH 1995

126 - 129

TAMIL NADU POLLUTION CONTROL

Receipts and Payments Account for the year

See Rule 36 of the Tamil Nadu Water

PREVIOUS YEAR	RECEIPTS	TOTAL OF SUBHEADS	TOTAL OF MAJOR HEADS
Rs. P.		Rs. P.	Rs. P.
	OPENING BALANCE		
21,92,711.87	BANK	77,32,344.12	
31,612.24	CASH	16,845.85	
30,09,965.35	Funds in Transit	11,96,200.75	
<u>52,34,289.46</u>		<u>89,45,390.72</u>	
	I. GRANTS RECEIVED		
10,00,000.00	a. From Government	35,00,000	
20,75,380.00	b. From other Agencies	-----	
		<u>35,00,000.00</u>	
	II. FEES		
2,048.00	a. Consultant		
	Registration Fees	100.00	
4,66,420.00	b. Cost of Application	6,68,115.00	
3,65,68,054.50	c. Consent Fees	4,14,70,329.20	
2,04,30,817.97	d. Cess Collection	2,72,20,779.66	
<u>5,74,67,340.47</u>		<u>6,93,59,323.86</u>	
82,05,259.30	III. INTEREST ON INVESTMENT		1,65,48,858.03
	IV. MISCELLANEOUS RECEIPTS		
1,09,67,201.63	a. Others (Schedule-A)	1,09,31,233.40	
11,30,116.00	b. Cess Reimbursement	2,52,52,837.00	
<u>1,20,97,317.63</u>		<u>3,61,84,070.40</u>	
<u>8,60,79,586.86</u>	C/O		<u>13,45,37,643.01</u>

BOARD, MADRAS - 32.

Ended 31st March 1995

(Prevention and Control of Pollution) Rules 1983.

PREVIOUS YEAR		PAYMENTS	TOTAL OF SUB HEADS		TOTAL OF MAJOR HEADS	
Rs.	P.		Rs.	P.	Rs.	P.
I. CAPITAL EXPENDITURE						
2,47,21,880.40		a. Assets-Land Advances and Building Development	21,75,384.82			
1,26,652.00		b. Laboratory Equipment	84,488.00			
-----		c. Vehicles	22.00			
2,06,464.65		d. Furniture & Fixures	1,48,138.25			
35,060.00		e. Office Appliances	4,71,559.00			
62,024.00		f. Library Books	1,44,066.70			
10,570.00		g. Hazardous Waste Management Site Schemes	-----			30,23,658.77
<hr/>						
2,51,62,651.05						
II. REVENUE EXPENDITURE						
A. ADMINISTATIVE						
2,16,91,066.26		i. Salaries	3,28,74,551.98			
63,115.85		ii. Pension Contribution	1,71,801.45			
25,48,830.00		iii. Contingent Expenditure	35,50,424.45			
8,23,877.40		iv. Surrender Leave Salary	10,51,413.30			
5,19,289.80		v. Bonus	5,11,817.00			
12,58,714.28		vi. Medical Expenses	14,52,121.28			3,96,12,129.46
<hr/>						
B. BOARD LABORATORY						
5,98,162.55		i. Running Expenses of Lab				6,21,385.75
<hr/>						
5,26,65,707.19		C/o.				4,32,57,173.98

TAMIL NADU POLLUTION CONTROL

Receipt and Payments Account for the year

See Rule 36 of the Tamil Nadu Water

PREVIOUS YEAR	RECEIPTS		TOTAL OF SUB HEADS		TOTAL OF MAJOR HEADS		
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	
8,60,79,586.86		B/F.				13,45,37,643.01	
		V. DEPOSITS & ADVANCES					
1,25,000.00		i. EMD Received	1,19,648.00				
7,766.50		ii. Security Deposit	35,400.00				
5,09,527.35		iii. Advance to Staff (Schedule-B)	2,66,901.90				
19,55,00,000.00		iv. Short Term Deposit	14,70,00,000.00				
1,88,10,520.00		v. Refundable Performance Guarantee Deposit	37,03,400.00				
						15,11,25,349.90	
1,90,39,413.70		VI. OTHERS (SHEDULE-E-I)					1,47,41,915.70
32,00,71,814.41		C/o				30,04,04,908.61	

TAMIL NADU POLLUTION CONTROL

ANNUAL STATEMENT

Income and Expenditure Account for the year

See Rule 36 of the Tamil Nadu Water

PREVIOUS YEAR	EXPENDITURE	TOTAL OF SUB HEADS	TOTAL OF MAJOR HEADS
Rs. P.		Rs. P.	Rs. P.
	REVENUE EXPENDITURE		
	A. ADMINISTRATIVE		
4,89,110.00	i. Pay of Officers	5,74,856.90	
1,12,37,832.29	ii. Pay of Establishment	1,50,40,602.65	
1,70,71,859.86	iii. Allowances and Honoraria (Sch. F)	2,32,69,895.01	
23,71,303.85	iv. Contribution to Gratuity & Pension Provision for Pension	26,52,244.45	
8,49,939.40	v. Surrender Leave Salary	10,56,478.80	
			4,25,94,077.81
8,60,048.80	B. RUNNING EXPENSES OF LABORATORIES		10,38,231.13
19,76,033.89	C. RUNNING AND MAINTENANCE OF VEHICLES (Sch.G)		27,72,472.91
4,396.00	D. MAINTENANCE AND REPAIRS		
	i. Furniture & Fixtures	18,583.25	
3,21,436.35	ii. Scientific Instrument & Office Appliances	2,83,042.50	
67,168.10	iii. Electrical Installation	68,670.00	
328.00	iv. R.M. of Building	67,908.00	
			4,38,203.75
60,115.00	E. FEES TO CONSULTANTS AND SPECIALISTS		1,680.00
34,50,791.62	F. LAW CHARGES		34,165.00
78,64,269.83	G. DEPRECIATION (FORM XV)		25,60,784.15
15,000.00	H. MISCELLANEOUS (Sch.H)		92,71,373.47
	I. FEES FOR AUDIT		25,000.00
3,71,71,533.32	J. EXCESS OF INCOME OVER EXPENDITURE		4,79,36,109.65
----	K. Note to B/S (Sch.T)		-----
8,38,11,166.31	Total		10,66,72,097.87

Madras
Date : 07-12-1995

Sd. S. Kuppusamy
Financial Adviser

Sd. G. Rengasamy
Member Secretary

BOARD, MADRAS - 32.

OF ACCOUNT

Ended 31st March 1995

(Prevention and Control of Pollution) Rules 1983.

PREVIOUS YEAR		INCOME	TOTAL OF SUB HEADS		TOTAL OF MAJOR HEADS	
Rs.	P.		Rs.	P.	Rs.	P.
I. GRANTS RECEIVED						
10,00,000.00		a. From Government	35,00,000.00			
		b. From other Agencies				
20,75,380.00		Central Government				
<u>30,75,380.00</u>		Total	<u>35,00,000.00</u>			
		LESS : Amount received				
10,00,000.00		for Capital Expenditure	32,00,000.00			
<u>20,75,380.00</u>		Net Grant available for				
		Revenue Expenditure				3,00,000.00
4,96,92,364.00		II. FEES (Sch. I)				5,22,25,048.20
		III. SERVICES & RENTAL CHARGES				
		(Lab Analysis Charges				
1,07,10,833.50		Sch. J)				1,26,77,842.00
		IV. MISCELLANEOUS RECEIPTS				
3,47,665.93		i. Others (Sch. K)	7,84,594.55			
11,30,116.00		ii. Cess Reimbursement	2,52,52,787.00			
2,000.00		iii. Consultant & Registration Fees	100.00			
			<u>2,60,37,481.55</u>			
1,98,52,806.88		V. INTEREST ON INVESTMENT				1,54,31,726.12
<u>8,38,11,166.31</u>		Total				<u>10,66,72,097.87</u>

Sd. P. Sankar
Chairman

As per our report of even dated
for M/s. SRINIVASAN & ASSOCIATES
Chartered Accountants

Sd. A. Srinivasan
Partner
(08-12-1995)

TAMIL NADU POLLUTION CONTROL

ANNUAL STATEMENT

Balance Sheet as

See Rule 36 of the Tamil Nadu Water

PREVIOUS YEAR	LIABILITIES		TOTAL OF SUB HEADS		TOTAL OF MAJOR HEADS	
Rs. P.			Rs. P.		Rs. P.	
	A. CAPITAL FUND					
	a. GRANTS					
2,98,57,547.18	i. Grants received from Govern- ment for Capital Expen- diture as on 01-04-94		3,08,57,547.18			
10,00,000.00	ii. Grants received from Government for Capital Expenditure during the current year and utilised upto 31-03-95		32,00,000.00			
-----	iii. Grants received towards specific schemes		-----			
3,08,57,547.18						3,40,57,547.18
	b. EXCESS OF INCOME OVER EXPENDITURE					
6,65,91,733.83	i. As at 01-04-94		9,85,18,192.83			
17,94,282.70	ii. LESS : Prior Period Adjustment (Sch. L)		2,40,428.75			
6,47,97,451.13			9,8277,764.08			
3,71,71,533.32	iii. ADD : Surplus during the year		4,79,36,109.65			
10,19,68,984.45			14,62,13,873.73			
(-) 34,50,791.62	iv. Amt. transfd. to Depreciation Fund		25,60,784.15			
9,85,18,192.83						14,36,53,089.58
2,56,48,969.82						2,82,09,753.97
	c. DEPRECIATION FUND					
	B. OTHER DEPOSITS					
25,55,830.50	i. Deposits for Supply & Works (Sch. M)		26,34,404.03			
4,52,14,857.05	ii. Refundable Performance Guarantee Deposits		4,67,25,857.05			
4,77,70,687.55						4,93,60261.08
	C. AMOUNTS DUE					
15,02,15,568.54	i. Cess Payable		16,33,99,407.58			
84,06,090.09	ii. Others (Sch. N)		1,11,46,969.99			
						17,45,46,377.57
36,14,17,056.01	C/o					42,98,27,029.38

TAMIL NADU POLLUTION CONTROL ANNUAL STATEMENT

Balance Sheet as

See Rule 36 of the Tamil Nadu Water

PREVIOUS YEAR	LIABILITIES	TOTAL OF SUB HEADS	TOTAL OF MAJOR HEADS
Rs. P.		Rs. P.	Rs. P.
36,14,17,056.01	B/F.		42,98,27,029.38
	D. ENVIRONMENTAL IMPACT STUDY		63,046.68
	E. INCOME RECEIVED IN ADVANCE (Sch. O)		1,26,01,827.90
1,33,86,434.35			
	F. SUBSIDIES FOR COMMON EFFLUENT TREATMENT PLANTS		2,47,89,000.00
2,95,14,000.00			
18,86,874.74	G. ENVIRONMENTAL EDUCATION FUND RESERVE		15,23,262.69
40,62,04,365.10	TOTAL		46,88,04,166.65

Madras
Date : 07-12-1995

Sd. S. Kuppusamy
Financial Adviser

Sd. G. Rengasamy
Member Secretary

BOARD, MADRAS - 32.

OF ACCOUNT

at 31st March 1995

(Prevention and Control of Pollution) Rules 1983.

PREVIOUS YEAR	ASSETS	TOTAL OF SUB HEADS		TOTAL OF MAJOR HEADS	
		Rs.	P.	Rs.	P.
22,27,19,691.03	B/F			25,03,40,184.72	
	VI. ADVANCES AND DEPOSITS				
2,12,76,633.06	a. Misc. Advances (Sch.Q)	1,70,36,935.11			
26,25,491.57	b. Other amounts recoverable (Sch.R)	20,77,467.47			
13,82,635.40	c. Deposits (Sch. S)	11,17,563.40			
<u>2,52,84,760.03</u>				<u>2,02,31,965.98</u>	
	VII. ENVIRONMENTAL IMPACT STUDY				-----
1,79,254.32					
	VIII. CASH				
	a. Deposits				
	i. Term Deposits				
13,90,06,269.00	with Banks	18,04,29,565.00			
1,00,69,000.00	ii. with T.T.D.F.C.	63,43,000.00			
77,32,344.12	b. Cash at Bank	1,04,97,317.70			
16,845.85	c. Cash in hand	15,816.65			
11,96,200.75	d. Cash in transit	9,46,316.60			
				<u>19,82,32,015.95</u>	
<u>40,62,04,365.10</u>	TOTAL			<u>46,88,04,166.65</u>	

Sd. P. Sankar
Chairman

As per our report of even dated
for M/s. SRINIVASAN & ASSOCIATES
Chartered Accountants

Sd. A. Srinivasan
Partner
(08-12-1995)

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32

ANNUAL STATEMENT OF ACCOUNTS
FIXED ASSETS AS ON 31st MARCH 1995

(Item-2 of Assets of Balance Sheet other assets as on 31st March 1995)
(See Rule 36 of Tamil Nadu Water (P & CP) rules 1983 - Item - 3 Assets of the Balance Sheet)

Sl. No.	Particulars of Assets	Per-centage	Opening balance on 31.03.94	Additions during the year and Sales Adjustment	Total	Depreciation	Closing Balance as on 31.03.95	Cumulative Depreciation as on 31.3.95
1.	Library Books	(10%)	5,24,442.00	1,44,066.70	6,68,508.70	66,850.90	6,01,657.80	4,19,622.73
2.	Vehicles	(33.33%)	10,18,682.00	22.00	10,18,704.00	3,39,534.00	6,79,170.00	60,87,346.21
3.	Furniture & Fixtures	(10%)	31,37,230.00	1,48,138.25	32,85,368.25	3,28,536.25	29,56,832.00	28,00,361.08
4.	Office Appliances	(10%)	18,94,653.00	4,71,559.00	23,66,212.00	2,36,621.00	21,29,591.00	15,50,067.99
5.	Lab Equipment	(33.33%)	45,18,926.00	84,488.00	46,03,414.00	15,34,318.00	30,69,096.00	1,65,49,343.95
6.	Electrical Installation	(15%)	3,66,162.00	-----	3,66,162.00	54,924.00	3,11,238.00	8,02,992.01
TOTAL			1,14,60,095.00	8,48,273.95	1,23,08,368.95	25,60,784.15	97,47,584.80	2,82,09,753.97

Place : Madras
Date : 7-12-1995

Sd. S. Kuppasamy
Financial Adviser

Sd. G. Rengasamy
Member-Secretary

Sd. P. Sankar
Chairman

As per our report of even dated
for M/s. A. SRINIVASAN Associates

Sd. A. SRINIVASAN
Chartered Accountant.
Partner
(8-12-95)

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE OF RECEIPTS AND PAYMENTS ACCOUNT

SCHEDULE - A

Miscellaneous Receipts

	Rs.	P.
1. Analysis Charges (Fees)	49,63,347.00	
2. Cess Appeal Fee	1,000.00	
3. Interest Income	3,857.00	
4. Miscellaneous Receipts	8,26,149.95	
5. MINAR	5,96,125.00	
6. VEM Test Fees	7,48,025.00	
7. Enlistment Fees	500.00	
8. A.A.Q.S.	36,22,898.00	
9. Sale of Legal Books	16,890.00	
10. Prior Period Adjustment	1,09,241.45	
11. Rent (Corporate Office)	43,200.00	
TOTAL	1,09,31,233.40	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE OF RECEIPTS AND PAYMENTS ACCOUNTS

SCHEDULE - C

Miscellaneous

	Rs.	P.
1. Advertisement and Publicity	40,890.40	
2. Postage/Telegram	2,20,802.00	
3. Electricity/Water Charges	16,27,051.40	
4. Printing and Stationery	3,81,453.50	
5. Telephone and Telex	7,65,207.35	
6. Staff Welfare Expenses	1,13,361.55	
7. Pollution Awareness Expenses	1,73,777.45	
8. Training and Seminar	47,546.00	
9. Entertainment	23,780.80	
10. Miscellaneous Expenses	2,73,623.95	
11. Newspaper and Periodicals	68,976.65	
12. Conveyance	62,374.34	
13. Wages	5,75,732.30	
14. Office Expenses	1,16,107.90	
15. Expenses through petty cash	3,81,445.03	
16. Prior period adjustment account	1,92,490.00	
17. Travelling Expenses	6,54,477.95	
18. Trade Fair	1,49,234.10	
19. Land Maintenance Expenses	12,187.00	
20. Payment of outstanding liabilities	6,97,037.75	
21. Flag Day Collection Paid	6,076.00	
22. Bank Interest and Commission	7,012.65	
23. LTC Expenses	17,943.00	
24. ETI Expenses	17,171.00	
25. Inaguaral Expenses	3,03,114.00	
26. N R A P	5,378.50	
27. Gratuity	6,63,531.00	
TOTAL	75,97,783.57	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE OF RECEIPTS AND PAYMENTS ACCOUNT

SCHEDULE - D

Advance to Staff (Payment)

	Rs.	P.
1. Festival Advance	3,75,525.00	
2. Education Advance	3,500.00	
3. Furniture Advance	3,300.00	
4. Cycle Advance	13,275.00	
5. Handloom Advance	16,380.00	
6. Marriage Advance	26,035.00	
7. Pay Advance	31,453.00	
8. Tour Advance	4,73,445.80	
9. Temporary Advance	6,27,395.90	
10. L.T.C. Advance	52,388.00	
11. Others	50,753.00	
12. Imprest to Staff	2,300.00	
13. T.T.A	650.00	
14. Warm Cloth Advance	2,000.00	
15. Scientific Staff Arrears Payment	24,000.00	
TOTAL	17,02,400.70	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE OF RECEIPTS AND PAYMENTS ACCOUNT

SCHEDULE - E

Deposits and Advances (Paid) (Others)

	Rs.	P.
1. Advance to Suppliers	46,53,711.90	
2. Earnest Money Deposit	1,25,679.00	
3. Security Deposit	68,347.00	
4. Environmental Education Fund	1,81,246.00	
5. Environmental Impact Study	10,00,000.00	
6. Rent Advance	19,630.10	
7. Enlistment Deposit	25,000.00	
8. Retention Money Deposit	2,14,786.00	
9. C.E.T.P. Expenses Receivable	11,472.00	
10. RPGD	21,77,000.00	
11. FBF	77,210.00	
12. Staff higher study Deposit	5,928.00	
13. Electricity Deposit	25,000.00	
14. SWF	1,605.00	
15. CETP SUBSIDY RELEASED	47,99,080.85	
16. Advance for Construction (Guindy)	93,81,220.70	
17. Pension Fund	1,81,975.00	
18. Gratuity Fund	1,170.00	
TOTAL		<u>2,29,50,061.55</u>

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32

Schedules forming part of Income and Expenditure Account for the year ended 31st March 1995

EXPENDITURE

SCHEDULE - F

Allowances and Honoraria

	Rs.	P.
i. Allowances	1,90,15,965.78	
ii. Wages	6,06,776.00	
iii. Travelling Expenses	11,01,215.70	
iv. Medical Reimbursement	14,56,772.73	
v. Honorarium	2,250.00	
vi. Bonus	5,10,708.00	
vii. LTC Expenses	81,113.00	
viii. EPF for deputationist	289.00	
ix. Interim Relief	4,11,821.70	
x. Turn Duty	33,599.00	
xi. Over Time	49,384.10	
TOTAL	2,32,69,895.01	

SCHEDULE - G

Running and Maintenance of Vehicles

	Rs.	P.
i. Repairs	13,93,038.16	
ii. Fuel	10,98,816.75	
iii. Hire Charges	1,44,253.00	
iv. Insurance	1,36,365.00	
TOTAL	27,72,472.91	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE - H

MISCELLANEOUS

	Rs.	P.
i. Office Expenses	1,39,753.43	
ii. Telephone & Telex	7,62,858.35	
iii. Sundries	2,04,797.15	
iv. Entertainment Expenses	54,939.85	
v. Printing and Stationery	5,73,714.45	
vi. Electricity & Water Charges	16,74,859.00	
vii. Postage & Telegram	2,27,771.45	
viii. Advertisement & Publicity	56,436.40	
ix. Rent on Buildings	28,24,525.00	
x. Periodicals and Publications	91,505.25	
xi. Pollution Awareness Expenses	1,87,570.45	
xii. Coastal Project Expenses	7,579.40	
xiii. Family Benefit Fund Contribution	92,120.00	
xiv. Conveyance Expenses	1,46,834.49	
xv. Staff Welfare Expenses	1,36,814.70	
xvi. Training and Seminar Expenses	65,046.00	
xvii. Bank Interest	5,433.00	
xviii. Land Maintenance Expenses	13,691.00	
xix. Trade Fair Expenses	2,81,228.60	
xx. NAAQM Expenses	15,242.80	
xxi. TA for Auditors	16,280.00	
xxii. ETI Expenses	2,55,426.00	
xxiii. Inagural Expenses	3,15,202.00	
xxiv. NRAP Expenses	22,114.70	
xxv. DEE Legal Samples Expenses	1,53,210.00	
xxvi. MINAR Expenses	8,69,800.00	
xxvii. GEM Expenses	76,620.00	
TOTAL	92,71,373.47	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

INCOME

SCHEDULE - I

	Rs.	P.
FEES		
i. Consent Fees	5,15,56,933.20	
ii. Consent Forms	6,68,115.00	
TOTAL	5,22,25,048.20	

SCHEDULE - J

Services and Rental Charges

	Rs.	P.
i. Analysis Charges	65,89,444.00	
ii. MINAR	6,80,405.00	
iii. AAQS	46,59,518.00	
iv. VEM TEST FEES	7,48,475.00	
TOTAL	1,26,77,842.00	

SCHEDULE - K

Miscellaneous

	Rs.	P.
i. Cess Appeal Fees	1,125.00	
ii. Miscellaneous Income	7,48,524.15	
iii. Bank Interest	2,145.40	
iv. Enlistment Fees	500.00	
v. Sale of Legal Books	16,875.00	
vi. Interest on Loans & Advance	15,425.00	
TOTAL	7,84,594.55	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

**Schedule forming part of the Balance sheet
as at 31st March 1995**

LIABILITIES

SCHEDULE - L

PRIOR PERIOD EXPENSES

	Rs.	P.
i. Refund of Registration of Consultant Fees	1,44,000.00	
ii. Printing and Stationery	2,135.00	
iii. Wages	1,024.00	
iv. Trade Fare	565.00	
v. Travelling Expenses	31,114.20	
vi. Conveyance to Auditors	2,500.00	
vii. Software Development	1,18,500.00	
viii. Telephone and Telex	300.00	
ix. Bank Charges	450.00	
	<hr/>	
	3,00,588.20	

LESS : RECEIPTS

1. Salaries	3,839.00	
2. Medical Expenses	12,789.00	
3. Building Development (Guindy)	999.00	
4. Travelling Expenses	1.00	
5. Consent Fees	42,531.45	
	<hr/>	
	60,159.45	
TOTAL	<hr/>	
	2,40,428.75	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

LIABILITIES

OTHER DEPOSITS

SCHEDULE - M

	Rs.	P.
i. E.M.D.	3,72,927.20	
ii. Security Deposits	5,34,801.15	
iii. Enlistment Deposits	3,11,000.00	
iv. Retention Money Deposits	14,15,675.68	
	<hr/>	
TOTAL	26,34,404.03	

SUNDRY CREDITORS

SCHEDULE - N

	Rs.	P.
i. Flag Day Collection	2,660.00	
ii. P.R.L.	3,15,114.70	
iii. Pension Payable	82,60,969.00	
iv. Outstanding Liability	16,33,142.30	
v. Salary Payable	3,80,624.85	
vi. Unadjusted Advance	75,258.89	
vii. Staff Death Claim Payable	2,25,572.00	
viii. House Building Advance	50,476.30	
ix. P.R.L. (Units)	6,983.95	
x. T.D.S. (Officers)	12,184.00	
xi. T.D.S. (Others)	48,515.00	
xii. Scientific staff pay arrears	25,000.00	
xiii. Rent Advance from M/s. Canara Bank TNPCB Extn. Counter	20,250.00	
xiv. Pension Fund	48,166.00	
xv. Graduity Fund	42,053.00	
	<hr/>	
TOTAL	1,11,46,969.99	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

INCOME RECEIVED IN ADVANCE

SCHEDULE - O

	Rs.	P.
i. Consent Fees	1,15,00,769.00	
ii. Cess Fees	6,39,869.90	
iii. Analysis Fees	2,50,144.00	
iv. AAQS	2,11,045.00	
TOTAL	1,26,01,827.90	

ASSETS

SCHEMES

SCHEDULE - P

	Rs.	P.
i. Establishment of Regional lab at Vellore	58,000.00	
ii. Technical Staff Support for Audit Equipment	3,25,850.00	
iii. Technical Staff Support for Environmental Audit (Revenue)	5,02,760.00	
iv. Management Hazardous Substance	4,22,689.50	
v. Central Scheme (Strengthening of Board Lab.)	2,41,961.60	
vi. Centre State Co-ordinated Programme on Environment	31,29,191.25	
vii. Environmental Policy & Law Programme on Environment	36,90,682.36	
viii. Hazardous Waste Disposal Site Scheme	10,570.00	
TOTAL	83,81,704.71	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

**Schedules forming part of Balance sheet
as at 31st March 1995**

ASSETS

MISCELLANEOUS ADVANCES

SCHEDULE - Q

	Rs.	P.
i. Advance to Suppliers	84,34,797.88	
ii. Rent Advance	6,31,759.25	
iii. Insurance Claim Receivable	43,243.00	
iv. Land Advance	18,81,395.00	
v. Amount receivable from DEE/JCEE	41,000.00	
vi. Analysis Fees Due	2,520.00	
vii. Advance for Construction in Progress (Ambattur)	1,33,292.00	
viii. CETP Expenses Receivable	4,86,576.75	
ix. Sundry Debtors	48,409.75	
x. Prepaid Expenditure	36,643.30	
xi. Other Assests (Imprest)	3,623.00	
xii. Staff Welfare Fund	12,705.00	
xiii. Advance for Construction in Progress (Guindy)	3,23,898.09	
xiv. Interest Receivable	49,57,072.09	
TOTAL	1,70,36,935.11	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

ADVANCES TO STAFF

SCHEDULE - R

	Rs.	P.
i. Tour Advance	2,80,137.35	
ii. Temp Advance	4,26,581.96	
iii. Marriage Advance	1,01,740.00	
iv. Festival Advance	2,24,085.00	
v. Handloom Advance	10,350.00	
vi. Driver Training Advance	40,561.00	
vii. Pay Advance	2,120.00	
viii. Cycle Advance	30,269.00	
ix. Motor Vehicle Advance	8,85,284.16	
x. House Building Advance	33,794.00	
xi. LTC Advance	3,187.00	
xii. Miscellaneous Advance	19,906.00	
xiii. Educational Advance	1,950.00	
xiv. Staff housing Scheme	12,662.00	
xv. Furniture Advance	2,940.00	
xvi. Warm Cloth Advance	1,900.00	
TOTAL	20,77,467.47	

DEPOSITS

SCHEDULE - S

	Rs.	P.
i. Telephone & Telex	9,29,562.00	
ii. T.N.E.B.	1,77,500.00	
iii. Miscellaneous Deposits (Customs Deposit)	3,573.40	
iv. Staff Higher Studies Deposit	5,928.00	
v. Security Deposit	1,000.00	
TOTAL	11,17,563.40	

TAMIL NADU POLLUTION CONTROL BOARD, MADRAS - 32.

SCHEDULE - T

Notes forming part of Accounts for the year ended 31st March 1995

1. Accounting Policies

a) Fixed Assets are shown at Written Down Value. Depreciation has been provided at the following rates as decided by the Board which is being followed consistently. Depreciation in respect of addition during the year has been provided for the full year.

i. Library Books	10 %
ii. Vehicle	33.33 %
iii. Furniture & Fixtures	10 %
iv. Office Appliances	10 %
v. Lab Equipments	33.33 %
vi. Electrical Installation	15 %

b) Stock of Chemicals/Glasswares and Consumables are as inventoried as at the Close of the year and valued at cost.

c) Except for interest on investments, Other income is accounted on receipt basis.

d) Payment of Gratuity to the employees is covered under LIC's Group Gratuity Scheme, pension to employees is being provided on annual accrual basis.

2. Cess Receivable : Rs. 16,22,76,669/-.

This includes amounts due from

i. M/s. Tuticorin Thermal Power Station, Tuticorin Rs. 7,42,89,436/- and from M/s. Seshasayee Paper & Boards Limited, Pallipalayam Rs. 40,51,120/-. The above parties have filed writ petitions in the High Court of Madras against the Water Cess Assessment Orders passed by the Board. Of these, the petition filed by the first party has been decided against the party by the High Court. Orders in these respect are awaited. The other petition is still pending.

- ii. Amounts due from Local Bodies Rs. 7,59,03,866/- (As on 31.3.95) who have disputed the claim on the ground they also form part of Government and no cess can be levied.
 - iii. Provision made for doubtful debts in respect of dues from industries which have been closed.
3. The cost for the land acquired by the Board at Guindy for the Board's office is yet to be paid for want of Assessment order from Government.
 4. Amount paid towards cost of lands at Ambattur, Hosur and other places have been classified under Land Advances pending transfer of land in favour of the Board.
 5. Advances to suppliers includes amounts paid in earlier years still pending allocation to various account heads.
 6. Sundry Debtors under Miscellaneous Advances represents the Analysis Charges receivable from various District Environmental Engineer's Office.
 7. Common Effluent Treatment Plant - Expenses incurred in respect of different places amounting to Rs. 4,86,576/- is shown under Schedule - Q Miscellaneous Advances pending sanctioned by the Board for write-off.
 8. Out of Rental claimed by the Landlord in respect of the Boards office at santhome (Since vacated), a sum of Rs. 33,765/- is under th consideration of the Board as such no provision is made therefore pending Board's final decision.
 9. The value of 22 Vehicles received under World Bank Assistance has been accounted at Rs. 1/- each for record purposes.

Madras
7-12-95

Sd S.Kuppusamy
Financial
Adviser

Sd. G.Rengasamy
Member-
Secretary

Sd. P.Sankar
Chairman

As per our report of
even dated
M/s. Srinivasan & Associates
Chartered Accountant

A. SRINIVASAN
Partner
(08-12-1995)

