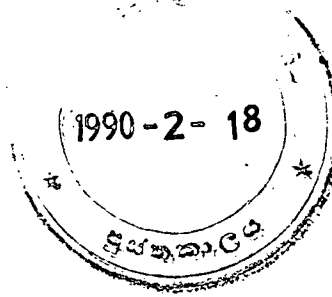


**ANNUAL REPORT**

**1987**



**CENTRAL ENVIRONMENTAL AUTHORITY**



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CENTRAL ENVIRONMENTAL AUTHORITY

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## CENTRAL ENVIRONMENTAL AUTHORITY

### PART I

#### 1. INTRODUCTION

- 1.1 The year under review was the Authority's sixth full year since its establishment in August, 1981. It was devoted mainly towards the formulation, co-ordination and implementation of national strategies and programmes for the protection, conservation and management of the environment of Sri Lanka.

#### 2. BOARD

- 2.1 During the year 1987, the Authority comprised of;

Mr. K.H.J. Wijayadasa — Chairman  
Prof. B.A. Abeywickrema — Member  
Dr. R.H. Wickremasinghe — Working Member

Mr. W.D. Ailapperuma, Director-General functioned as Secretary to the Authority.

- 2.2 The Authority held 11 meetings during the year and deliberated on numerous issues of environmental significance and concern.

#### 3. ENVIRONMENTAL COUNCIL

- 3.1 The Environmental Council established in terms of section 7 of the National Environmental Act, continued to advise the Authority on matters of environmental concern. The Council held 10 meetings during the year, considered the following important issues and submitted its recommendations to the Authority.

##### 3.1.1 Master Plan for the Forestry Sector

The Council perused the Forestry Master Plan and agreed that all environmental issues connected with the implementation of the Forestry Master Plan should be examined before the plan is adopted. The Council was also of the view that the recommendations of the Land Commission should be given due consideration in the preparation of the final version of the Forestry Master Plan. The Council also noted some discrepancies in the figures given in the Master Plan when compared with previous records and agreed that the statistics given in the plan need further scrutiny.

These observations were conveyed to the Secretary, Ministry of Lands and Land Development.

##### 3.1.2 Saw Dust Pollution

Another issue the Council focused its attention was pollution problems caused by the saw mills. The Council was of opinion that Local Authorities and the Urban Development Authority should first evaluate the environmental consequences, before approval is granted for the location of saw mills.

The Council recommended that it be made compulsory for those who establish industries like saw mills to ensure that no pollution is caused. Local authorities and other

Institutions like the Mahaweli Development Authority should where necessary, assist in the disposal of industrial waste in the proper manner. This assistance may be in the form of providing suitable locations for deposit of waste and providing facilities for transport of waste. The Council also drew the attention of the authorities to the need for improving the methods for recycling with the assistance of Institutions like CISIR and NERD.

### 3.1.3 Mosquito Control

The Council considered the problem of vector and nuisance mosquitoes and recommended to the CEA that a workable programme of action which takes note of the existing limitations and tackles them at least to the extent of mitigating the mosquito problem, should be evolved after a joint study by the relevant agencies viz. Land Reclamation Board, Colombo Municipal Council, Urban Development Authority and CEA etc.

The Authority decided to refer this problem to the Inter-ministerial Committee for Environmental Health Policy Planning and Co-ordination, chaired by the Chairman/-CEA.

### 3.1.4 Mechanised Gemming in Mahaweli "F" Area Elahera

Another important subject examined by the Council was the project for Mechanised Gemming in Elahera area. The observation of the Council that no proper Environmental Impact Assessment (EIA) has been done on this project, was conveyed to the Ministry of Mahaweli Development. The Ministry of Mahaweli Development subsequently appointed a committee to investigate and report on any adverse impacts of the project on environment and to suggest mitigatory measures.

3.1.5 Mr. R. Abeyratne, Addl. Secretary (Administration) of the Ministry of Local Government, Housing and Construction continued to function as the Chairman of the Environmental Council during the period, while Mr. A.K. Gunapala, Director/Environmental Promotion, C.E.A., functioned as Secretary, Environmental Council, in addition to his duties. The members of the Environmental Council were:-

Mr. R. Abeyratne	— Addl. Secretary (Chairman) Ministry of Local Government, Housing & Construction
Mr. M.B. Adikaram	— Hony. President, Nation Builders Association
Mr. W.D. Allapperuma	— Director-General Central Environmental Authority
Mr. S.B. Bandusena	— Director (Env., & Forestry) Ministry of Lands & Land Development
Mr. N. Bhareti	— Addl. Director National Planning Ministry of Finance and Planning
Mr. J.T. Dumbukola	— Addl. Secretary Ministry of Education
Mr. G.B.A. Fernando	— Director (Energy & Planning) Ministry of Power & Energy
Mr. Aloy W. Fernando	— Addl. Secretary Ministry of Fisheries
Mr. G.A.S. Ganepola	— Addl. Secretary Ministry of Plantation Industries
Mr. A. Gunawardena	— Addl. Secretary Ministry of Plan Implementation

Dr. H.M.S.S.D. Herath	— Senior Medical Officer Ministry of Health
Mr. R. Jayasinghe	— Director Non-Aligned Documentation Centre
Mr. J. Kulatillake	— Senior Assistant Secretary Ministry of Textile Industries
Major General M. Madawala	— Director Wildlife Conservation
Mr. G.L. Perera	— Director/Technical Greater Colombo Economic Commission
Mr. E.F.M. Perera	— Director Department of Highways
Mr. M. Ponnambalam	— Member Environmental Committee/SLAAS
Ms. I. Serasinghe	— Hony. Secretary "Rukrekaganno"
Mr. H.P. de Silva	— Addl. Secretary Ministry of Industries and Scientific Affairs
Mr. S. Sivapaskaran	— Deputy Commissioner Department of Labour
Mr. W. Weeraratne	— Deputy Director Ministry of Agricultural Development & Research.

#### 4. DISTRICT ENVIRONMENTAL AGENCIES

- 4.1 District Environmental Agencies, (DEAA) established under section 9 of The National Environmental Act, continued to assist the Authority in the co-ordination of district environmental activities.
- 4.2 During the period under review, regular meetings of the DEAA were held and environmental impact of the industrial, commercial and other development projects in the Districts was monitored. Some of the major activities of the DEAA during the period included;
- organizing tree planting campaigns to mark the Tree Planting Day (September 17th) and the Tree Planting Week (18th to 24th September).
  - conducting Essay/Poster/Art competitions etc., in the Districts in connection with the World Environment Day.
  - actively participating in the seminars on Environmental Protection and Management held for the District Level Officers, under the CEA/NORAD Project on strengthening the Capabilities of District Environmental Agencies. The objectives of these seminars included helping the decision makers in the Districts to identify the environmental problems of the districts in formulating an action plan for environmental conservation in the respective districts.
  - monitoring and advising the Authority, of activities that could have adverse environmental impacts on natural resources and on the environment.

## PART II

### FORMULATION OF NATIONAL ENVIRONMENTAL POLICIES

#### 5. NATIONAL CONSERVATION STRATEGY

- 5.1 The preparation of the National Conservation Strategy (NCS) continued with the completion and review of all the sector papers that provide the background information to the central document, that is now being written.

- 5.2 The NCS would seek to introduce into the development planning process at National and sub-national levels, elements of ecological principles, environmental impact assessment and other criteria that would ultimately lead to the sustainable utilization of the natural resources of the country.

## 6. AMENDMENTS TO NATIONAL ENVIRONMENTAL ACT

- 6.1 The Authority during the year under review, prepared draft amendments to the National Environmental Act, introducing clauses on Environmental Quality and Environmental Protection, which strengthens its role as the lead agency in the protection and management of the Environment in Sri Lanka. These amendments were approved by the Cabinet of Ministers subject to the observations of the Hon. Minister of Finance and Planning. Subsequently, the Legal Draftsman was requested to effect necessary alterations in the new legislation, to enable the Authority to present the Amendment Bill to the Parliament.

## PART III

## PUBLIC AWARENESS, EDUCATION & TRAINING

### 7. PUBLIC AWARENESS

- 7.1 Increasing the public environmental awareness was another important action programme promoted by the Authority during the period under review. The environmental awareness programme included the following activities;
- (a) 'Environmental News' — a bulletin covering current environmental news was regularly published.
  - (b) Regular press conferences were held and a weekly programme on current environmental topics was broadcast. Arrangements were made to telecast TV films on following environmental themes.
    - \* Pollution caused by pesticides
    - \* Disposal of domestic garbage
    - \* Deforestation
  - (c) A competition of poems on environmental themes was organised with the assistance of an NGO. The prize winning entries were broadcast by SLBC.
  - (d) A poster and a newspaper advertisement were published in connection with the National Tree Planting Day. Special newspaper publicity was arranged in connection with this event.
  - (e) The Authority assisted local participation in a poster and a painting competition on environmental themes organized by ESCAP. Mr. U.D. Palitha Gunasinghe, a Sri Lanka participant, won a consolation prize in this competition.
- 7.2 The following activities were organised by the Authority to mark the World Environment Day 1987.
- (a) A Slide Series Competition on certain stipulated environmental themes.
  - (b) Tree Planting Campaigns and poster competitions through Non-Governmental Organizations (NGO).
  - (c) Assistance in an Islandwide Essay and Oratorical Contest organised by "Parisarikayo" an NGO based in Sri Lanka Broadcasting Corporation.
  - (d) A special T.V. Programme titled "Environment and Shelter". — This was the theme selected by the United Nations Environment Programme (UNEP), for this year's World Environment Day following the UN General Assembly declaration of 1987 as the "International Year of Shelter for the Homeless"; on a proposal by the Hon. the Prime Minister of Sri Lanka.

(e) Conducting a debate between the Environmental Pioneer Brigade of Maligawatte and the Wildlife and Environmental Conservation Society of Nalanda Vidyalyaya.

7.3 The Authority also held a contest on Interior Decor and Landscaping among the residents of Maligawatte Housing Scheme with the assistance of the National Housing Development Authority and Common Amenities Board. The winners were awarded prizes.

#### **8. ENVIRONMENTAL NON-GOVERNMENTAL ORGANIZATION (NGO)**

8.1 Every encouragement was given by the Authority for the formation of Non-Governmental Organizations. Several new societies were registered with the Authority during the year.

8.2 A seminar for the representatives of Environmental Non-Governmental Organizations was held during September 21-25, 1987 in Colombo, with the assistance of the Sri Lanka Environmental Congress and PANOS, an International Environmental Non-Governmental Organization, based in U.K.

8.3 The Authority also initiated action to form village level Environmental Protection Societies. The Government Agents as Chairmen of the District Environmental Agencies (DEAA) were requested to motivate people to form at least five such societies in each AGA Division.

8.4 A new development in the field of environmental NGO was the formation of the Sri Lanka Forum of Environmental Journalists. This forum forged links with the Asian Forum of Environmental Journalists.

#### **9. PUBLICATIONS**

9.1 CEA publications during 1987 were;

— A handbook on EIA procedures in Sri Lanka — March, 1987. This handbook was used as a guide at the Regional Seminar on Environmental Impact Assessment held at Colombo in March, 1987.

— "Toward Sustainable Growth — Evolution of Environmental Strategies and Policies in Sri Lanka"

— A report titled "Environmental Study of Nuwara Eliya" — February, 1987.

— A handbook containing the proceedings of the District Seminars on Environmental Protection and Management — for distribution among the seminar participants.

### **PART IV**

## **ENVIRONMENTAL MANAGEMENT**

#### **10. SOIL CONSERVATION**

10.1 The recommendations made in the report of the Inter-ministerial Study Group on Soil Conservation were approved by the Cabinet of Ministers and are being implemented by the agencies responsible for land management.

#### **11. CONTROL OF THE VISUAL ENVIRONMENT**

11.1 The Inter-agency Committee chaired by the Director-General of the Authority submitted an interim report to the Secretary, Ministry of Local Government, Housing and Construction. This report examined, and made recommendations on the control of hoardings in the City of Colombo, between Colombo and Negombo, on the Canada Friendship Road and between Kegalle and Kandy.

11.2 The Control of billboards and other forms of public advertisements and graffiti were also examined and directives given to all local authorities and District Development Councils.

- 11.3 The advertisement by-laws of the Colombo Municipal Council were examined and amendments proposed. The proposed amendments received the approval of the Legal Draftsman and would be circulated among local authorities as sample by-laws.

## **12. SUSTAINABLE MULTI-SECTOR DEVELOPMENT PROJECT UPPER MAHAWELI**

- 12.1 The Authority had the opportunity for an informal discussion on national environmental issues with the Canadian International Development Agency (CIDA). At this discussion it was proposed that priority attention be paid to the upper watersheds of the Mahaweli Ganga.
- 12.2 Two CIDA missions have since visited the country and have concluded that the Mahaweli upper watershed is indeed a priority area. CIDA would proceed to formulate a programme of work with emphasis on the management, and utilization, in an environmentally sound manner, the watershed areas of the upper Mahaweli. The project area will have four major reservoirs — Kotmale, Victoria, Randenigala and Rantembe of the Mahaweli System, and their subcatchments and feeder tributaries.

## **PART V**

# **POLLUTION CONTROL & ENVIRONMENTAL QUALITY STANDARDS**

## **13. MONITORING AND REVIEW OF WATER QUALITY**

- 13.1 The Inter-agency Committee chaired by Dr. R.H. Wickramasinghe, Working Member of this Authority and comprising representatives from several government institutions including the National Water Supply & Drainage Board, Colombo Municipal Council and CISIR have met regularly to review the results of water quality analysis.
- 13.2 The Committee has been reporting its findings to the National Health Council. It also prepared two practical guides — the use of pot chlorinators in shallow wells and small springs and the dosage of bleaching powder in public drinking water supply.

## **14. HEALTH HAZARDS ARISING FROM ASBESTOS CONTAMINATION**

- 14.1 On representations made to the Cabinet of Ministers by the Central Environmental Authority (CEA) on the health hazards arising from the use of Asbestos, a ban on the import of products containing Blue Asbestos was imposed by the Government, last year.
- 14.2 Meanwhile, the group of experts convened by the Authority to study the health problems caused by Asbestos finalised its report during the year.
- 14.3 The Authority convened several meetings with the Import and Export Control Dept., and the Customs Dept., to ascertain the present position on the implementation of the Cabinet decision and thereafter submitted the report of the expert group to the Cabinet of Ministers for information.

## **15. POLLUTION FROM RUBBER INDUSTRIES**

- 15.1 The Authority formulated guidelines for the control of pollution from raw rubber processing factories.
- 15.2 A feasibility study on the waste water treatment in the Rubber Industry was carried out by the Authority, with assistance from the CISIR and BKH (a firm of consultants from Netherlands). This study was conducted at two factories in Horana, with financial assistance from the Netherlands Government.
- 15.3 A Steering Committee comprising representatives from Sri Lanka State Plantation Corporation, Janatha Estates Development Board, Rubber Research Institute, CISIR, BKH of Netherlands and CEA met on several occasions to monitor the progress of the above study.



## 16. INTER-AGENCY COMMITTEE ON CONTROL OF VECTOR AND NUISANCE MOSQUITOES

- 16.1 An Inter-agency Committee appointed by the Hon. the Prime Minister, on the Control of Vector and Nuisance Mosquitoes, submitted its report to the National Health Council. The recommendations contained in the report were ratified by the N.H.C. and conveyed to concerned institutions such as Local Authorities for implementation.

## 17. ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

- 17.1 The Authority during the year 1987, made every effort to ensure that the development project proposals that affect the environment in any way are subjected to formal environmental impact assessment, before they are implemented.

Endeavours in this field include;

- (a) Submitting a proposal to the Cabinet through the Ministry of Local Government, Housing and Construction, that all development proposals that have environmental implications should be copied to the Ministry of Local Government, Housing and Construction as well, so that the Authority would have an opportunity to examine such proposals; and
  - (b) requesting all project approving agencies to furnish quarterly progress reports, for review by the Authority.
- 17.2 The Cabinet of Ministers approved the proposal described in section 16.1(a) above and the Secretary, Ministry of Local Government, Housing and Construction has requested all Secretaries to the Ministries to comply with the decision.
- 17.3 Follow up work on the Environmental Impact Assessment of the following projects was also carried out during this period.
- (a) Establishment of a Saltern at Karagam Lewaya, Hambantota.
  - (b) Coal fired Thermal Power Project at Trincomalee.
  - (c) Single Point Buoy Mooring Project (SPBM) at Colombo for Ceylon Petroleum Corporation.
  - (d) Nuwara Eliya Environmental Study
  - (e) Extracting Pinus Oleoresin.

- 17.4 A Senior Level Expert Workshop to evaluate benefits and constraints of the Environmental Impact Assessment Process of SACEP Countries was held in Colombo from 2-6 March, 1987.

The objective of this workshop, which was organised by UNEP in collaboration with the CEA and SACEP, was to evaluate the advantages and constraints in using EIA and by examining case studies; to endeavour to determine how the EIA process could be improved. Representatives from Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan and Sri Lanka attended the workshop. The workshop programme included a number of technical sessions, country presentations and case studies. On the final day of the programme, participants were taken on a field trip to observe the impacts of unplanned tourist development at Hikkaduwa as opposed to a planned development at Bentota.

## 18. ENVIRONMENTAL HEALTH

- 18.1 A seminar organised by the Ministry of Local Government, Housing and Construction in collaboration with the World Health Organization (WHO), paved the way for the establishment of an Inter-ministerial Committee for Environmental Health Policy Planning and Co-ordination under the chairmanship of the Chairman/CEA with the following terms of reference.

- i. Formulation of appropriate policies and strategies.
- ii. Incorporation of Environmental parameters into development programmes and projects.

- iii. Formulation of guidelines for effective implementation of environmental health programmes and projects through an integrated approach.
- iv. Co-ordination of on going programmes, such as Water Quality Monitoring, Food Hygiene, Control of Vector and Nuisance Mosquitoes, Domestic Pest Control, Solid Waste Disposal and Sanitation etc.

18.2 Several Ministries including the Ministries of Health, Teaching Hospitals, Plan Implementation and the UN agencies WHO and UNICEF are represented in this committee.

18.3 At the first meeting of the Committee held on 28 August 1987, the following priority areas have been identified for immediate development of appropriate environmental policies and guidelines.

- Food Hygiene
- Air and Noise Pollution
- Water Pollution and Solid Waste Management
- Housing, Water Supply & Sanitation
- Vector Control

18.4 At a subsequent meeting the Committee agreed to set up study groups on the above areas.

## 19. ENVIRONMENTAL GUIDELINES

19.1 The Authority formulated environmental guidelines for the following during 1987.

- (a) Aquaculture projects
- (b) Effluent from tanneries

19.2 The Authority also initiated action to prepare guidelines for the following areas.

- (a) Effluent from Rubber Industries
- (b) Textile Industries
- (c) Gem mining

## 20. PREVENTIVE AND PREPAREDNESS PLAN AGAINST DISEASES THAT CAN ASSUME EPIDEMIC PROPORTIONS

20.1 An Inter-agency Committee chaired by the Director-General of the Authority, finalized a Preventive and Preparedness Plan against diseases that can assume epidemic proportions. This report was circulated among the members of the Inter-ministerial Committee on Environmental Health and subsequently, to the National Health Council.

## 21. NETWORK FOR INDUSTRIAL ENVIRONMENTAL MANAGEMENT (NIEM)

21.1 A series of Regional Training Workshops on Environmental Management in the Pulp and Paper Industry held in 1981/82 funded by Swedish International Development Agency and organised by UNEP's Industry and Environment Office, revealed the need for some kind of co-operative arrangement that would facilitate the exchange of information, data and experience in Industrial Pollution Control and Environmental management. With funding assistance from SIDA, UNEP set out in 1985 to explore the possibility of organizing a network of government laboratories, research institutions, environmental agencies and mills for the above purpose.

21.2 Accordingly, a meeting was convened by the UNEP from 09 to 12 March, 1987 in Bangkok to organise the Network for Industrial Environmental Management.

The following officers represented Sri Lanka at this meeting.

1. Mr. K.G.D. Bandarathilake, Actg., Director/Environmental Protection/CEA
2. Dr. P.M. Jayatissa, Deputy Director/CISIR

21.3 At the above meeting Sri Lanka was entrusted with the task of formulating environmental impact assessment procedures for the existing Pulp and Paper Mill at Embillipitiya, with the direct co-ordination of the local NIEM group.

Members of the local NIEM group —

- a. Central Environmental Authority
  - Mr. K.G.D. Bandarathilake  
Actg. Director/Environmental Protection
- b. Ceylon Institute of Scientific and Industrial Research
  - Dr. P.M. Jayatissa  
Deputy Director
- c. Sri Lanka Standards Institution
  - Dr. N.R. de Silva  
Director-General

## 22. LABORATORY

The following analytical work was done by the Laboratory during 1987.

	Total No. of Samples
<b>(a) Chemical Analysis</b>	
i. Surface water samples (Beira Lake and Ponds, River water)	147
ii. Effluent samples	33
iii. Tap water for Residual Chlorine (Colombo Area)	135
<b>(b) Microbiological Analysis</b>	
i. Surface water samples (Beira Lake/Tap water)	142 + 135
ii. Ground water samples (well water)	14
<b>(c) Parameters tested</b>	
pH	Phosphate
Turbidity	Hardness
Nitrite	COD - Permanganate Value
Nitrate	Total Dissolved Solid
DO	Conductivity
BoD	Coliform
	Residual Chlorine

## PART VI

### SPECIAL PROJECTS/PROGRAMMES

#### 23. 100 MILLION TREES PROGRAMME

- 23.1 The 100 Million Trees Programme, launched in 1984 in connection with the 1988 Year of Trees for South Asia, continued to be co-ordinated by the Authority through the Inter-ministerial Steering Committee.
- 23.2 The programme, aimed at mobilising people's participation in planting trees, through a number of sub-programmes, is expected, at least in part, to be a fillup to the efforts at greening Sri Lanka, whose tree cover has dwindled rapidly in recent years.

- 23.3 Cabinet approval was obtained for the declaration of September 17 as the "National Tree Planting Day" and the week following as the "National Tree Planting Week". This activity is also co-ordinated by the Authority.

#### **24. REGIONAL SEAS PROGRAMME**

- 24.1 The Second meeting of the National Focal Points held from 07-11 December, 1987 was attended by Mr. K.H.J. Wijayadasa, Chairman/CEA, Mr. W.M.A. Wijeratna Banda, Secretary/Ministry of Fisheries and Dr. S. Subasinghe, Director/NARA.
- 24.2 With the approval of the Cabinet of Ministers a National Steering Committee has been established to be responsible for the implementation of the proposed action plan for the South Asian Seas Region.

The following agencies are represented in the National Steering Committee;

**Central Environmental Authority**  
**Ministry of Trade & Shipping**  
**Ceylon Tourist Board**  
**Ministry of Higher Education**  
**Ministry of Foreign Affairs**  
**Natural Resources Energy & Science Authority**  
**National Aquatic Resources Agency**  
**Coast Conservation Department**  
**Ministry of Finance & Planning**  
**Sri Lanka Ports Authority**

- 24.3 Under the draft Action Plan of the Regional Seas Programme, Sri Lanka will be involved in the following five projects.

- \* Development of a system of protected areas in the South Asian Seas.
- \* Assessment of levels and effects of Marine Pollution in the South Asian Seas Region.
- \* Development of an operational regional contingency plan for responding to Marine Pollution emergencies.
- \* Survey of land-based sources of Marine Pollution and formulation of guidelines and proposals for environmentally sound waste management technologies and policies.
- \* Environmental Education and Promotion of Public Awareness for South Asian Countries in connection with the South Asian Seas Programme.

#### **25. COASTAL ENVIRONMENTAL MANAGEMENT PLAN**

- 25.1 The final report of the Coastal Environmental Management Plan for the West Coast of Sri Lanka has been received and distributed amongst the relevant authorities.
- 25.2 The Cabinet approval has been obtained to implement the recommendations of the report through relevant organisations.

#### **26. ENVIRONMENTAL PIONEER BRIGADES**

- 26.1 The Authority continued to service the Environmental Pioneer Brigades. A guidebook was issued to all brigades.
- 26.2 Members of the Environmental Pioneer Brigade at Maligawatte engaged in various environmental conservation activities including the maintenance of the Urban Forest at Maligawatte and the tending of plants near Baron Jayathilake Vidyalaya.
- 26.3 Encouraged by the performances of the pioneer brigades already established, action was initiated to form 50 such brigades on an Islandwide basis. Two schools were selected from each district for this purpose and a seminar to train the teachers in-charge of these brigades was held at the Sri Lanka Foundation Institute (SLFI) in November, 1987. This was the first of a series of such seminars.

## PART VII FOREIGN FUNDED PROJECTS

### 27. CEA/NORAD PROJECT FOR ENVIRONMENTAL PROTECTION

A project proposal of the Authority for strengthening the environmental pollution control measures was accepted by the Norwegian Agency for International Development (NORAD) in 1986 and studies under this project continued during the year. A brief account of the activities on this is given below.

#### 27.1 Inter-Laboratory Standardization of the Analytical methods

Stage I of the above scheme has been completed and a report was prepared indicating the progress made by each participating laboratory.

#### 27.2 Monitoring of Chromium levels in Mattakkulliya Area around the Leather Products Corporation

Water samples collected from the Kelani River in the Mattakkulliya Area and from the Leather Corporation tannery were analysed for chromium levels. Chromium levels in the Kelani River were found to be very high upto about 250 m., downstream of the discharge point. The study is continuing.

#### 27.3 Pesticide Residue in Vegetables

Chemical analysis has shown the presence of low levels of Malathion in Pulses. It has however been observed that this need not cause any serious problems as most of the chemicals can be removed if the pulses are washed thoroughly before cooking. This study is being continued.

#### 27.4 Treatment of Effluents from Natural Rubber Processing Factorles

This study aims to develop a biological treatment technology for rubber effluents suitable to this country. The pilot treatment plant is located at Dewalakanda Estate, Dehiowita. Tests are being continued.

#### 27.5 Study on Kelani River Pollution - Phase II

The Ceylon Institute for Scientific and Industrial Research (CISIR) which assists the Authority in this study has investigated eleven industries located along the Kelani River. Their recommendations for mitigating environmental pollution was received, during the latter part of the year. Action will, now been taken by this Authority to instruct the industrialists to introduce the pollution abatement measures recommended by the CISIR. Compliance with these instructions will be monitored.

#### 27.6 Baseline data on microbiological activities around sewage outfalls

Joint study with Natural Aquatic Resource Agency (NARA) and City Microbiologist. Samples collected from selected parts in the sea and on the coast are analysed before the outfalls are commissioned. Stage II of the study is to be commenced.

### 28. NETHERLANDS ASSISTNANCE FOR ENVIRONMENTAL PROTECTION

28.1 A Joint formulation mission on Development Co-operation between Sri Lanka and the Government of the Netherlands, arrived in Sri Lanka in September, 1987. They identified the following priority areas, as requiring Netherlands assistance.

(a) Institutional Strengthening

(b) Strengthening of Environmental Pollution Laboratory Network.

(c) Integrated Environmental Management Planning for Greater Colombo area.

(d) Industrial Counselling

28.2 Arrangement were also made to obtain the services of a Policy Adviser from Netherlands, to prepare a plan of action on implementation of the above projects.

28.3 An Aerial Survey using an ultra-light aircraft was conducted with assistance from the Netherlands Government on Pollution of waterways in and around Colombo (Moratuwa/Ratmalana

area)/ A project proposal for the preparation of an Integrated Environmental Management Plan has been submitted to the Government of the Netherlands through the Dept. of External Resources.

**29. CEA/NORAD PROJECT FOR STRENGTHENING THE CAPABILITIES OF THE DISTRICT ENVIRONMENTAL AGENCIES (DEAA)**

- 29.1 Training of District Officers on Environmental Protection and Management, under the CEA/NORAD Project for Strengthening the Capabilities of District Environmental Agencies (DEAA), was concluded during the year. It was encouraging to note the officers so trained, helping some DEAA to train grass roots level officers like Chairmen of Gramodaya Mandalayas, in the field of environmental conservation.
- 29.2 As Stage II of this Project, the Authority initiated action to formulate Environmental Profiles for 3 selected Districts, viz. Badulla, Hambantota and Kalutara. Profiles for Badulla and Hambantota districts were completed during the year.

**PART VIII**

**INTERNATIONAL CO-OPERATION**

**30. UNITED NATIONS ENVIRONMENT PROGRAMME**

- 30.1 The Fourteenth Session of the Governing Council of the United Nations Environment Programme was held at Nairobi, Kenya from 08 - 19 June, 1987. The Sri Lankan delegation for this meeting comprised His Excellency Rear Admiral A.W.H. Perera, High Commissioner for Sri Lanka in Kenya and Mr. K.A.H. Ranaweera, Addl. Director/Policy and Planning, Ministry of Local Government, Housing and Construction.
- 30.2 Highlights of the Governing Council, included approving the Cairo Guidelines and Principles for the Environmentally Sound Management of Hazardous Wastes. The Governing Council called upon all Governments to use them in developing bilateral regional and multilateral agreements and national legislation pertaining to Hazardous Waste Management.
- 30.3 The Goals and Principles of Environmental Impact Assessment as developed by the Working Group of Experts on Environmental Law were also adopted by the Governing Council.
- It requested United Nations Environment Programme to recommend the Goals and Principles to all States and relevant International Organizations including multilateral development banks, on a basis for preparing appropriate national measures including legislation, and international co-operation in the fields of Environmental Impact Assessment.
- 30.4 Preserving Biological Diversity, Protection of the Ozone Layer, and State of the Environment Reports were also among the subjects, the attention of the Governing Council was focussed.

**31. SOUTH ASIA CO-OPERATIVE ENVIRONMENT PROGRAMME (SACEP)**

- 31.1 The Authority continued to support and participate in the activities of the South Asia Co-operative Environment Programme (SACEP).
- The Third meeting of the Governing Council of the South Asia Co-operative Environment Programme was held in New Delhi, India on 12th and 13th January, 1987.
- 31.2 The Government of Sri Lanka was represented by Hon. Gamini Jayasuriya, Minister of Agricultural Development and Research, Mr. K.H.J. Wijayadasa, Secretary to the Prime Minister and Chairman, Central Environmental Authority, Dr. L.S.K.B. Herath, Chairman, Dairy Development Foundation and Mr. G. Wijayasiri, Deputy High Commissioner, Sri Lanka High Commission, New Delhi.
- 31.3 The Governing Council at this meeting decided that the Consultative Committee of SACEP should submit recommendations on a formula to be adopted for sharing of expenditure by

member countries. The Government of Sri Lanka on receipt of the recommendations of the Consultative Committee of SACEP increased the country contribution from US \$ 5,000 to US \$ 8,800.

- 31.4 Another issue considered by the Governing Council was the Vienna Liaison Office. It was decided that a Committee comprising representatives from all member states, under the chairmanship of Sri Lanka should review the issue of the Vienna Liaison Office in totality and report to the next Governing Council.
- 31.5 SACEP also organised a workshop on Environmental Legislation for SACEP member countries, which was held in New Delhi on 15th and 16th January, 1987. Mr. K.H.J. Wijayadasa, Secretary to the Prime Minister and Chairman, Central Environmental Authority, who represented Sri Lanka was elected Chairman of this workshop. The objective of this workshop was to help the member countries to update laws and regulations necessary for sound environmental management.

## PART IX GENERAL

### 32. CREATION OF A PLANNING DIVISION

32.1 A separate Division to handle the subject area of Environmental Planning at both regional and national levels, was a longfelt need. The creation of a Planning Division in December 1987, satisfied this need, which is entrusted with the following functions.

- i. Environmental Planning and Co-ordination
- ii District Environmental Agencies
- iii. Non-governmental Organisations
- iv. Socio Economic Studies.

Mr. H.T. Hewawasam of the Sri Lanka Administrative Service was appointed Director of this Division.

### 33. TRAINING & STAFF DEVELOPMENT

33.1 During the year the Authority succeeded in obtaining the following training opportunities for the CEA staff.

Name and Designation	Course/Seminar	Country	Period
a. Mr. K.G.D. Bandarathilake Director/Env't. Protection	Environmental Impact Assessment of Water Development Projects	France	June 1-26, 1987.
b. Mrs. R.R. Ellepola Environmental Officer	Preventive Toxicology Industrial & Household Chemicals	Russia	Sep. 7-23, 1987.
c. Mr. W.A.D.D. Wijesooriya Environmental Officer	Environmental Science & Technology	Netherlands	Oct. 1987 to Sep. 1988

33.2 Mr. P.B.J.S. Fernando, Environmental Officer was also awarded a Scholarship under the President's Fund and Mahapola Higher Education Scholarship Trust Fund. The study award was for a two year M.Sc. course in Environmental Science at the University of London, which commenced in September, 1987.

33.3 Professor B.A. Abeywickrema, Member/CEA participated in an International Congress on Environmental Education and Training held in Moscow from 17-21 August, 1987.

Mr. W.D. Ailapperuma, DirectorGeneral/CEA represented Sri Lanka at a meeting held in the Netherlands regarding the Establishment of an International Independent Audit Commission for Environmental Impact Assessment (EIA), from 1-3 November, 1987.

- 33.4 The Authority was also represented at seminars/workshops within the country convened by other agencies, during the year, including the following.

Programme	Name of Participant
i) Seminar on Management of Hazardous Waste & Solid Waste	Mrs. R.R. Ellepola Environmental Officer Mr. W.E.V. Lankaputhra Environmental Officer
ii) Treatment and disposal of Industrial Waste Waters	Mrs. C.M. Samarakoon Environmental Officer Mr. W.A.D.D Wijesooriya Environmental Officer
iii) Maritime Heritage of Sri Lanka	Mrs. C.M. Samarakoon Environmental Officer Miss. K.M. Tilakaratna Sociologist Mr. Anura Jayathilake Architect/Planner
iv) Regional Seminar on the "Indo-Malayan Realm Tropical Rainforest"	Mr. W.E.V. Lankaputhra Environmental Officer

- 33.5 Dr. R.H. Wickramasinghe, Working Member attended the First Conference on Indian Ocean Marine Affairs Co-operation held in Colombo from 20-28 January 1987, as a Member of the Sri Lanka delegation.

#### 34. REPRESENTATIONS AT COMMITTEES/MEETINGS CONVENED BY OTHER AGENCIES

- 34.1 The Authority was represented at the Inter-agency Committee convened by National Aquatic Resources Agency (NARA) on National Sea Turtle Survey. A proposal for a public awareness programme was submitted to the committee by the Authority.
- 34.2 The Authority was also represented at the meetings convened by the Urban Development Authority (UDA) to look into the implementation of the recommendations of the report on "Environmental Impact Assessment of Tourist Development" at Hikkaduwa.
- 34.3 The Authority was represented at the National Mangroves Commission convened by National Resources, Energy and Science Authority (NARESA).
- 34.4 The Authority was represented at the Steering Committee on Land Use Planning convened by the Ministry of Lands & Land Development.
- 34.5 The seminar on the Master Plan for the Forestry Sector, convened by the Ministry of Lands & Land Development was attended by several senior officers of the Authority.
- 34.6 Director of the Environmental Protection Division represented the Authority at the Foreign Investment Advisory Committee.
- 34.7 The Authority was represented at the Coast Conservation Advisory Council.
- 34.8 A representative of the Authority attended the Scoping Committee meetings on Environmental Impact Assessment of Fisheries Projects, convened by the Ministry of Fisheries.
- 34.9 Director/Env. Protection represented the Authority at a Committee appointed by the Hon. District Minister, Colombo at the request of the His Excellency the President, to identify the problems related to pollution in Dehiwela, Mount-Lavinia, Ratmalana and Moratuwa areas.
- 34.10 Director/Environmental Management as CEA representative, participated at the Inter-agency meetings on "Master Plan for Electricity Supply".
- 34.11 An Inter-agency Committee, to resolve conflicts between wild elephants and two irrigation projects in the Resvehera area, was chaired by the Director/Environmental Management Division.



34.12 Director/Environmental Management participated in preliminary discussions at the My/Lands & Land Development regarding the Kalu Ganga Basin development with World Bank and national agencies.

### 35. LIBRARY

- 35.1 During the fourth year of its operation, the library continued to support the work of the CEA by providing the research and information needs of the staff, while catering to the needs of a wider clientele by providing reference facilities to govt., officials, independent researchers and other interested persons, and by extending loan facilities to libraries on a reciprocal basis.
- 35.2 The library followed an active acquisition policy in an endeavour to acquire library materials from possible sources by purchase, gift and exchange. The library currently has a bookstock numbering over 2,100 volumes.
- 35.3 The periodical collection numbers 116 titles, of which 70 are from foreign sources and 04 titles are received in exchange for the CEA Newsletter.
- 35.4 This programme of exchange of publications was initiated during year under review.
- 35.5 The library participated in programmes of Inter-library lending with a view to sharing resources.

### 36. STAFF

36.1 The Senior Management Staff during 1987 were as follows:

- |                               |  |
|-------------------------------|--|
| (a) Mr. K.H.J. Wijayadasa     | — Chairman   |
| (b) Prof. B.A. Abeywickrema   | — Member   |
| (c) Dr. R.H. Wickremasinghe   | — Working Member   |
| (d) Mr. W.D. Ailapperuma      | — Director-General   |
| (e) Mr. Siri Haththotuwegama  | — Director/Secretariat   |
| (f) Mr. R.A. Wijewansa        | — Director/Environmental Management  |
| (g) Mr. Mr. A.K. Gunapala     | — Director/Environmental Promotion and Secretary/Environmental Council                 |
| (h) Mr. H.T. Hewawasam        | — (On study leave abroad till August, 1987)<br>— Director/Planning (From 1st November) |
| (i) Mr. K.G.D. Bandarathilake | — Actg. Director/Environmental Protection  |
| (j) Mr. B. Danwatte           | — Addl. Director/Finance   |

36.2 The Authority wishes to place on record its grateful thanks for the invaluable services rendered by Prof. B.A. Abeywickrema, who was a Member of the Authority from its inception to the end of the year when he relinquished his duties. Prof. Abeywickrema's knowledge and experience in the field of environmental conservation were invaluable assets to this Authority, in formulating national policies and strategies for the protection and management of the Environment.

### 37. ACKNOWLEDGEMENT

The Authority wishes to acknowledge the assistance provided by the Ministry of Local Government, Housing and Construction and the following international, regional, sub-regional and donor agencies.

- Government of the Netherlands
- Norwegian Agencies for International Development (NORAD)
- South Asia Co-operative Environment Programme (SACEP)
- United Nations Development Programme (UNDP)
- United Nations Environment Programme (UNEP)
- Economics & Social Commission for Asia and the Pacific (ESCAP)
- United Nations Educational Scientific and Cultural Organization (UNESCO)
- United States Agency for International Development (USAID)

# CENTRAL ENVIRONMENTAL AUTHORITY

Balance Sheet as at 31st December, 1987.

1986	Particulars	Note No.	Rs. cts.	Rs. cts.	Rs. cts.
3,252,347	Central Environmental Authority Fund		4,037,181.36		
	<b>Add:</b>				
	100 Million Trees Programme Fund	19	<u>539,478.24</u>	4,576,659.60	
	<b>Less:</b>				
820,261	Excess of Expenditure over Income			<u>727,127.85</u>	3,849,531.75
136,763	SACEP Focal Activities Fund				<u>136,763.22</u>
					<u>3,986,294.97</u>
	<b>Represented by -</b>				
	<b>Fixed Assets</b>				
990,164	Motor Vehicles	3		604,695.72	
547,495	Furniture & Fittings	4		474,601.05	
632,658	Office Equipment	5		659,491.50	
547,258	Laboratory Equipment	6		631,331.64	
111,938	Library Books	7		<u>133,383.22</u>	2,503,503.13
	Fixed Deposits	19			200,000.00
	<b>Current Assets</b>				
821,735	Stock as at 31.12.87				
62,316	Stationery & Stores	8	83,582.03		
44,352	Laboratory Chemicals	9	39,076.39		
665,087	Books	15	852,632.35		
—	Environmental Publications	13	31,453.59		
50,000	Greeting Cards	16	<u>38,278.75</u>	1,045,023.11	
5,766	Deposits	10		23,863.00	
	<b>Sundry Debtors</b>				
89,492	Staff loans		95,539.00		
10,249	Miscellaneous Advances		26,100.00		
—	Foreign Travelling Advances		22,349.16		
55,897	Sundry Debtors	11	<u>15,044.42</u>	159,032.58	
	<b>Bank Balances</b>				
625,825	Central Environmental Authority Fund		257,762.98		
	Million Trees Programme Fund		<u>263,441.86</u>	521,204.84	
1,167	Petty Cash			<u>1,211.00</u>	522,415.84
	<b>Current Liabilities</b>				1,750,334.53
	Audit Fees		90,000.00		
225,438	Accrued Expenses	14	364,342.69		
	Tax on Fixed Deposits	19	<u>13,200.00</u>	467,542.69	
1,379,860	Working Capital				<u>1,282,791.84</u>
					<u>3,986,294.97</u>

# CENTRAL ENVIRONMENTAL AUTHORITY

Income and Expenditure Account for the year ended 31st December, 1987.

1986	Particulars	Note	Rs. cts.	Rs. cts.	Rs. cts.
	<b>Income</b>				
7,399,526	Government Grant	2		5,983,243.00	
22,562	Miscellaneous Income			28,490.23	
	Profit on sale of Publications	15		3,679.53	
	Profit on sale of Greeting Cards	16		<u>11,793.25</u>	6,027,206.01
261,000	Foreign Aids				—
	<b>Expenditure</b>				
46,500	Allowance to Board Members		46,770.96		
26,361	Allowance to Council Members		<u>35,965.00</u>	82,735.96	
	<b>Staff Remunerations</b>				
1,304,811	Personal Emoluments		1,429,249.90		
331,254	Cost of Living Allowance		334,602.73		
140,949	Contribution to E.P.F.		165,067.53		
35,237	Contribution to E.T.F.		41,266.92		
23,363	Pensionary contributions		6,541.37		
193,948	Overtime & Holiday Pay		185,614.48		
118,262	Other Services		<u>159,212.26</u>	2,321,555.19	
	<b>Travelling Expenses:</b>				
72,530	Local Travel		56,351.20		
26,989	Foreign Travel		<u>48,676.18</u>	105,027.38	
35,306	Welfare Expenses			38,451.16	
670	Uniforms			20,812.25	
14,075	Training & Scholarships			19,525.00	
97,373	Electricity			117,264.70	
24,120	Insurance			19,143.73	
288,899	Fuel			268,705.58	
5,820	Motor Licences			12,254.50	
403,252	Stationary & consumable stores			425,387.34	
34,677	Laboratory Chemicals			6,096.76	
15,168	Postal Expenses			16,371.25	
108,755	Telephone charges & expenses			190,358.09	
20,972	Advertisement expenses			41,450.00	
36,365	Library periodicals			45,202.85	
6,165	News Papers			7,109.50	
961	Transport			1,173.75	
360,000	Office Rent			378,000.00	
13,735	Entertainment expenses			18,287.80	
6,680	Miscellaneous expenses			10,934.00	
2,797	Bank Charges			930.75	
	United National Development Programme			8,489.00	
56,296	Audit Fees			30,000.00	
	Free Issue of Publications	15		12,786.90	
	Free Issue of Greeting Cards	16		3,795.00	

# CENTRAL ENVIRONMENTAL AUTHORITY

Income and Expenditure Account for the year ended 31st December, 1987. (contd.)

1986	Particulars	Note No.	Rs. cts.	Rs. cts.	Rs. cts.
	<b>Repairs &amp; Maintenances Expenses</b>				
6,056	Building Maintenance Repairs		83,863.43		
223,227	Vehicle Repairs		315,138.96		
170,583	Repairs & Other Assets		<u>116,540.46</u>	515,542.85	
298,110	District Environmental Council Expenses		317,642.80		
1,059,799	Environmental Promotion Expenses	13	882,737.99		
192,880	Environmental Management Expenses		107,670.00		
236,876	Environmental Protection Expenses		<u>335,602.40</u>	1,643,653.19	
285,443	Nature Conservation		—		
54,404	Environmental Education and training		—		
	<b>Depreciation —</b>				
267,481	Motor Vehicles	3	354,272.00		
75,534	Furniture & Fittings	4	80,894.00		
88,483	Office Equipment	5	97,692.00		
44,250	Laboratory Equipment	6	62,310.00		
7,411	Library Books	7	<u>11,935.00</u>	607,103.00	6,968,147.48
820,261	Excess of Expenditure over Income				940,941.47
	<b>Add:</b>				
	100 Million Trees Programme	18			<u>213,813.62</u>
					<u>(727,127.85)</u>

**NOTES TO BALANCE SHEET:**

**Note 1 : Accounting Policy**

(a) No depreciation is provided in the year of purchase.

(b) Assets are depreciated as follows:

- i. Land and buildings 2½% on cost
- ii. Furniture, Equipment, Laboratory Equipment and Library books on 10% on cost.
- iii. Motor vehicles 20% on cost.

**NOTE 2 : Government Grant**

From Government Grants, the following amounts have been appropriated:

1981	—	Rs. 50,000
1982	—	Rs. 1,750,000
1983	—	Rs. 3,500,000
1984	—	Rs. 4,000,000

1985	—	Rs. 6,800,000
1986	—	Rs. 7,399,626
1987	—	Rs. 5,983,243

**NOTE 3 : Motor Vehicles**

	Cost Rs. cts.	Provision for Depreciation Rs. cts.	Net Rs. cts.
Balance as at 01.01.1987	1,771,359.72	812,392.00 354,272.00	— 604,695.72
<b>Add:</b>			
Additions during the year	—	—	—
	<u>1,771,359.72</u>	<u>1,166,664.00</u>	<u>604,695.72</u>

**NOTE 4 : Furniture & Fittings**

	Cost Rs. cts.	Provision for Depreciation Rs. cts.	Net Rs. cts.
Balance on 01.01.1987	808,943.05	261,448.00 80,894.00	466,601.05
<b>Add:</b>			
Additions during the year	8,000.00	—	8,000.00
	<u>816,943.05</u>	<u>342,342.00</u>	<u>474,601.05</u>

**NOTE 5 : Office Equipment**

	Cost Rs. cts.	Provision for Depreciation Rs. cts.	Net Rs. cts.
Balance on 01.01.1987	976,923.70 + 13100.45	331,166.00 97,692.00	548,065.70
<b>Add:</b>			
Additions during the year	111,425.80	—	111,425.80
	<u>1,088,349.50</u>	<u>428,858.00</u>	<u>659,491.50</u>

**NOTE 6 : Laboratory Equipment**

	Cost Rs. cts.	Provision for Depreciation Rs. cts.	Net Rs. cts.
Balance on 1.1.1987	623,107.64	69,701.00 62,310.00	491,096.64
<b>Add:</b>			
Additions during the year	140,235.00	—	140,235.00
	<u>763,342.64</u>	<u>132,011.00</u>	<u>631,331.64</u>

**NOTE 7 : Library Books**

	Cost Rs. cts.	Provisions for Depreciation Rs. cts.	Net Rs. cts.
Balance on 01.01.1987	119,348.85	7,411.00 11,935.00	100,002.85
<b>Add:</b>			
Additions during the year	<u>33,380.37</u>	<u>—</u>	<u>33,380.37</u>
	<u>152,729.22</u>	<u>19,346.00</u>	<u>133,383.22</u>

**NOTE 8 : Stationery**

Balance on 01.01.1987	62,315.75	
<b>Add:</b>		
Purchases during the year	<u>446,653.62</u>	508,969.37
<b>Less:</b>		
Balance on 31.12.1987		<u>83,582.03</u>
		<u>425,387.34</u>

**NOTE 9 : Laboratory Chemicals**

Balance on 01.01.1987	44,352.15	
<b>Add:</b>		
Purchases during the year	<u>821.00</u>	45,173.15
<b>Less:</b>		
Stock on 31.12.1987		<u>39,076.39</u>
		<u>6,096.76</u>

**NOTE 10 : Deposits**

<b>Receipts</b>		
Cancellation of cheques	1,887.00	
Sri Lanka Cement Corporation	32,250.00	34,137.00
<b>Payments:</b>		
Fuel	10,000.00	
CEB	33,000.00	
CISIR	10,000.00	
United Motors Ltd.	<u>5,000.00</u>	<u>58,000.00</u>
Excess payments over receipts		<u>23,863.00</u>

**NOTE : 11 Sundry Debtors**

Sale of Books	9.50
Overpayments of Salary	8,584.92
<b>Sale of Greeting-Cards</b>	
Sri Lanka Cement Corporation	6,450.00
	<u>15,044.42</u>

**NOTE 12 : Miscellaneous Advances:**

B.M. Jayatissa	10,000.00
Silvaratna Ltd.	5,950.00
A.C.V. de S. Indraratna	2,500.00
Lalith Tillekeratne	150.00
G.D. Kamani	3,000.00
L.S. Mallawarachchi	4,000.00
P. Alwis	500.00
	<u>26,100.00</u>

**NOTE 13 : Environmental Promotions Expenses**

Expenses during the year 884,683.39

**Add:**

Environmental Protection Non-Governmental Organisation Seminar	29,508.19	914,191.58
--	-----------	------------

**Less:**

Stock of books  
on 31.12.1987

Na Sevana	5,568.00	
Nil Mahanel Mal	5,568.00	
Hansaya saha Punchi Kuru Petiya	1,176.00	
Sevana Ruvatha	3,712.50	
Guru Athpotha	15,429.09	31,453.59
		<u>882,737.99</u>

**Note 14 : Accrued Expenses**

Office Equipment	15,096.50
Environmental Promotion	17,668.00
Other Services	31,248.77
Telephone	25,586.40
Laboratory Equipment	118,000.00
Stationery & Stores	41,654.00
Personal Emoluments	1,253.22
Fuel	21,923.36
Advertisements	6,955.00
District Environmental Council Expenses	1,600.00
Repairs to Motor Vehicles	6,028.65
Environmental Protection Expenses	500.00
Environmental Management Expenses	3,000.00
News Papers	1,321.00
Environmental Council Meeting Fees	2,000.00
C.L.A.	604.82
Furniture & Fittings	2,900.00
Sundry Expenses	110.00

Repairs & Maintenance of Buildings	2,685.00
Electricity	9,780.72
Uniforms	7,424.25
Rent	30,000.00
Overtime & Holiday Pay	13,775.00
Welfare Expenses	3,228.00
	<u>364,342.69</u>

**NOTE 15 : Sale of Publications**

Category	Parisarayai Sarasaviyai	Parisara Vimarsena	Vanaye Asirya	Surakiyayuthu Vanasampatha	Total	
	Rs. cts.	Rs. cts.	Rs. cts.	Rs. cts.	Rs. cts.	Rs. cts.
Sales	2,784.93	1,095.00	22,185.00	25,050.00	—	51,114.93
Stock on 1.1.1987	26,461.15	45,283.50	380,480.00	212,842.50	665,067.15	
<b>Add:</b>						
Purchases during the year	—	—	9,600.00	238,187.50	247,787.50	
<b>Total</b>	<b>26,461.15</b>	<b>45,283.50</b>	<b>390,080.00</b>	<b>451,030.00</b>	<b>912,854.65</b>	
<b>Less:</b>						
Free Issues	1,327.65	3,284.25	3,920.00	4,255.00	12,786.90	
	25,133.50	41,999.25	386,160.00	446,775.00	900,067.75	
<b>Less:</b>						
Stock on 31.12.87	22,135.85	41,194.50	366,096.00	423,206.00	852,632.35	
<b>Cost of Sales</b>	<b>2,997.65</b>	<b>804.75</b>	<b>20,064.00</b>	<b>23,569.00</b>	<b>47,435.40</b>	<b>47,435.40</b>
<b>Profits</b>	<b>(212.72)</b>	<b>290.25</b>	<b>2,121.00</b>	<b>1,481.00</b>	<b>—</b>	<b>3,679.53</b>

**NOTE 16 : Sale of Greeting Cards**

	Serial No.	
Cash Sales		13,269.50
Credit Sales		<u>6,450.00</u>
Stock on 1.1.1987	50,000.00	19,719.50
<b>Add:</b>		
Purchases	50,000.00	
<b>Less:</b>		
Free Issues	3,795.00	
Stock on 31.12.1987	15,340.00	
Sale on return stock	17	<u>22,938.75</u>
		<u>42,073.75</u>
<b>Cost of Sales</b>		<u>7,926.25</u>
<b>Profits</b>		<u>11,793.25</u>



**NOTE 17 : Sale or Return Stock Balance on 31.12.1987.**

1. Tech & Art	1,296.25
2. Panadura Grocery	440.00
3. Sarasavi Book Shop, Maharagama	500.00
4. Shanti Book Shop	500.00
5. Sucharitha	500.00
6. Seva Vanitha Unit, N.H.D.A.	750.00
7. Seva Vanitha Unit, C.E.A	5,732.50
8. Lake House Book Shop	2,000.00
9. Sarasavi Book Shop	750.00
10. M.D. Gunasena Book Shop	2,500.00
11. Samayawardene Book Shop	1,000.00
12. Serandib Gallery	1,500.00
13. K.V.G. de Silva	1,500.00
14. Guruge Grocery	1,750.00
15. McCallum Book Shop	250.00
16. O. Amarasinghe	100.00
17. Bamby, Bambalapitiya	750.00
18. Lalith Tilakeratne	60.00
19. G.M.H. Wijedasa	410.00
20. Welfare Society, Local Govt., Housing & Construction Ministry	312.50
21. Welfare Society, Local Government Department	150.00
22. Buhary & Co.	187.50
	<u>22,938.75</u>

**NOTE 17 : Sale or Return of Greeting Cards**

1. Tech & Art Bookshop	157	
Tech & Art Bookshop	<u>880</u>	1,037
2. Panadura Grocery	112	
Panadura Grocery	<u>240</u>	352
3. Sarasavi Bookshop		
Maharagama	400	400
4. Shanthi Bookshop		400
5. Sucharita		400
6. Seva Vanitha Unit, N.H.D.A.		600
7. Welfare Association CEA	496	
Welfare Association CEA	300	
Welfare Association CEA	3,590	
Welfare Association CEA	<u>200</u>	4,586
8. Lake House Bookshop		1,600
9. Sarasavi Bookshop, Nugegoda		600
10. M.D. Gunasena & Co.		2,000
11. Samayawardena Bookshop		800
12. Serandib Gallery		1,200
13. K.V.G. de Silva		1,200
14. Guruge Grocery		1,400
15. MaCallum Bookshop		200

16. O. Amarasinghe		80	
17. Burnby, Bambalapitiya		600	
18. Lalith Tillekeratne		48	
19. G.H.M. Wijedasa		328	
20. Welfare Society, L.G.H. & C.	50		
Welfare Society L.G.H. & C.	<u>200</u>	250	
21. Welfare Society, L.G.S.		120	
22. Buhari & Co.,	150	150	18,351

**NOTE 18 : 100 Million Trees Programme**  
**Income & Expenditure a/c for the year ending 31.12.1987.**

<b>1986</b>			
500,000	Miscellaneous Income		220,583.62
	Interest on deposit		<u>66,000.00</u>
			286,583.62
<b>Administrative Expenses:</b>			
36,000	Salaries	3,000.00	
	Sundry Expenses	<u>150.00</u>	3,150.00
35,726	Publicity		
	Printing	4,660.00	4,660.00
635,443	Nursery		
594,500	Competition on nurseries	45,000.00	
	Nursery covers	5,000.00	
35,192	Nurseries	1,760.00	51,760.00
	Tax payable on		
	Deposits Income		13,200.00
			<u>72,770.00</u>
	Excess of Income over expenditure:		<u><u>213,813.62</u></u>

**NOTE 19 : 100 Million Trees Programme**  
**Balance Sheet as at 31.12.1988.**

<b>1986</b>			
539,478	Fund A/c	539,478.24	
<b>Add:</b>			
134,116	Excess of Income over Expenditure	<u>213,813.62</u>	753,291.86
<b>Represented by:</b>			
	Current A/c No. 3 CEA		303,050.00
	Fixed Deposits		200,000.00
	Bank	263,441.86	
	Tax payable	13,200.00	250,241.86
			<u><u>753,291.86</u></u>

Auditor-General Department,  
Independence Square,  
Colombo 7,  
Sri Lanka.

28th December, 1988.

The Chairman,  
Central Environmental Authority,  
Colombo 10.

**REPORT OF THE AUDITOR-GENERAL ON THE ACCOUNTS OF  
THE CENTRAL ENVIRONMENTAL AUTHORITY  
FOR THE YEAR ENDED 31ST DECEMBER, 1987  
IN TERMS OF SECTION 14(2)(C) OF THE FINANCE ACT, NO. 38 OF 1971.**

The audit of accounts of the Central Environmental Authority for the year ended 31st December 1987, was carried out under my direction in pursuance of provisions in Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read in conjunction with Section 13(1) of the Finance Act, No. 38 of 1971. My observations which I consider should be published with the Annual Report of the Authority in terms of Section 14(2)(c) of the Finance Act, appear in this report. A more detailed report in terms of Section 13(7)(a) of the Finance Act was forwarded to the Chairman on 20th August, 1988.

**1.2 Scope of Audit**

Audit opinion, comments and findings in this report are based on a review of the financial statements presented to audit and substantive tests of samples of transactions. The scope and extent of such review and tests were such as to enable as wide an audit coverage as possible within the limitations of staff, resources and time available to me. Sub Sections (3) and (4) of Section 13 of the Finance Act give discretionary powers to the Auditor-General to determine the scope and extent of the audit.

**2. Accounts**

**2.1 Opinion**

Subject to my comments appearing in this report I am of opinion that the accounts presented have been satisfactorily prepared on the basis of generally accepted accounting principles applied on a basis consistent with that adopted in the preceding year.

**2.2 Financial Results**

According to accounts, the working of the Authority for the year ended 31st December 1987, had resulted in an excess of expenditure over income of Rs. 727,128 before taxation as compared with a surplus of Rs. 820,261 for the previous year.

The following statement gives a summary of the financial results for the year under review and the preceding year.

Income	Year ended December 31st			
	1987		1986	
	Rs.	Rs.	Rs.	Rs.
Government Grant	5,983,243		7,399,526	
Miscellaneous Income	43,963		22,562	
100 million tree programme	213,814		—	
Foreign Aid	—	6,241,020	261,000	7,683,088
<b>Less:</b>				
Administration expenses	4,222,121		3,824,243	
Allowances to Board members	46,771		46,500	
Allowances to Council members	35,965		26,361	
District Environmental Council Expenses	317,643		298,110	
Environmental Promotion, Management, Protection expenses	1,326,010		1,774,998	
Depreciation	607,103		483,159	
Library Purchases	45,203		36,365	
Audit Fees	30,000		56,296	
Others	337,332	6,968,148	316,795	6,862,827
Excess of expenditure over Income		(727,128)		820,261
<b>Add:</b>				
Central Environmental Authority Fund Balance b/f	4,072,608		3,252,347	
<b>Less:</b>				
Prior year adjustments	35,427	4,037,181	—	3,252,347
Balance carried forward		<u>3,310,053</u>		<u>4,072,608</u>

### 2.3 Financial Structure

The financial structure of the Authority as at 31st December 1987 as compared with that as at 31st December 1986 is given below:

Resources	As at December 31	
	1987	1986
	Rs.	Rs.
Central Environmental Authority Fund	3,310,053	4,072,608
100 Million Tree Programme Fund	539,478	—
South Asian Co-operative Environment Programme Focal Activities Fund (SACEP)	136,763	136,763
	<u>3,986,294</u>	<u>4,209,371</u>

**Utilisation**

Fixed Assets at written-down value	2,503,503	2,829,511
Investments	200,000	—
Net Current Assets	<u>1,282,791</u>	<u>1,379,860</u>
	<u>3,986,294</u>	<u>4,209,371</u>

**2.4 Source and Application of Funds:**

The following statement shows the source and application of funds of the Authority for the year under review:

<b>Source of Funds:</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
100 Million Tree Programme Fund		539,478	
<b>Application of Funds:</b>			
Excess of Expenditure over Income	727,128		
Add: Prior year adjustments	<u>35,427</u>		
	762,555		
<b>Less:</b>			
<b>Adjustment for item not involving movement of funds</b>			
Depreciation	<u>607,104</u>	<u>155,451</u>	
		384,027	
Acquisition of Fixed Assets	<u>281,095</u>		
Investments in Fixed Deposits	<u>200,000</u>	<u>481,095</u>	
Decrease in Working Capital as analysed below		<u>(97,068)</u>	

**Effect on Working Capital**

	<b>Decrease</b>	<b>Increase</b>	
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
Stocks	—	223,288	
Deposits	29,137	—	
Sundry Debtors	40,852	—	
Staff Loans	—	6,048	
Miscellaneous Advances	—	15,851	
Travelling Advances	—	22,349	
Cash and Bank Balances	104,576	—	
Prepayments	5,380	—	
Accrued Expenses	138,905	—	
Miscellaneous Deposits	—	47,234	
Creditors	—	10,212	
Audit Fees	90,000	—	
Tax on fixed deposits	<u>13,200</u>	<u>—</u>	
	<u>422,050</u>	<u>324,982</u>	<u>(97,068)</u>

## 2.5 Comments on Accounts

### 2.5.1 Irregular Payments

An officer of the Authority who participated in a training course abroad had been paid a sum of Rs. 40,769 from the funds of the Authority purporting to be "the difference between the amount he was entitled to under Treasury Circular No. 854 and the amount he was paid by the Awarding Agency" although he was not entitled to any further payment from the funds of the Authority.

### 2.5.2 Inappropriate disclosure

Cost of a photocopier amounting to Rs. 5,950 purchased during the year had been shown as an advance payment whilst expenditure amounting to Rs. 32,347 relevant to the previous year and a prepayment of Rs. 10,991 for 1988 had been shown as a charge against revenue for 1987.

### 2.5.3 Overstatement in the accounts

Interest receivable had been overstated by Rs. 30,000.

### 2.5.4 Evidence for Audit

Detailed schedules and Fixed Assets register (in terms of Treasury Circular No. 842 of 19th December, 1978) were not available in respect of fixed assets valued at Rs. 2,370,121 and an age analysis was not made available in respect of staff loan balances aggregating Rs. 95,539.

### 2.5.5 Non-compliance with Laws, Rules, Regulations and Management Decisions etc.

- (i) Reports on stocks, debtors and creditors and half yearly Internal Audit Reports required by the Auditor General in terms of Sections 13(5)(b) and 13(5)(d) of the Finance Act, had not been furnished.
- (ii) Board approval had not been obtained for the payment of allowances of Rs. 100/200 per sitting to permanent employees of the Authority participating in guideline committees.
- (iii) E.P.F. contributions in respect of May, June and October 1985 had not been remitted to the Central Bank before the end of the following month, in terms of E.P.F. Act, No. 15 of 1958 thus resulting in the Authority having to pay a fine of Rs. 2,644.

## 3. Financial and Operating Review

### 3.1 Financial Results

The operations of the Authority during the year under review had resulted in a deficit of Rs. 727,128 when compared with a surplus of Rs. 820,261 in the previous year, thus recording a decline of Rs. 1,547,389 in the financial performance. The decrease can be analysed as follows.

Unfavourable variances	Rs.
Decrease in Government Grant	1,416,283
Decrease in other revenue	25,785
Increase in salaries and wages	173,731
	1,615,799
<b>Less: Favourable variances</b>	
Decrease in other expenditure	68,410
	<u>1,547,389</u>

### 3.2 Major variations against the budget

Major variations were observed between the budgeted and the actual income and expenditure for the year under review thus indicating that the budget does not appear to have been utilised as a tool of control.

### 3.3 Apparent uneconomic expenditure

The Authority had printed 40,000 greeting cards for sale in December, 1986 at a cost of Rs. 50,000. These cards, had however, been slow-moving and cards valued at Rs. 22,939 had been entrusted to booksellers, grocers and certain officers of the Authority for sale. Cards valued at Rs. 3,795 had been issued to employees of the Authority, free of charge. There was no evidence to show whether the cards given out for sale had been sold as at 31st December, 1987.

### 3.4 Delays in Projects

#### Preparation of Environmental profiles for Kalutara, Hambantota and Badulla Districts.

The reports covering the basic problems and existing methods of environmental management in the districts had been received from the profilers after delays ranging from 2 to 6 months from the due dates. The final reports containing the recommendations for short term, long term implementation, report of progress etc., had not been received in respect of Kalutara and Hambantota districts. Payments to profilers in connection with these studies amounted to Rs. 198,000.

### 3.5 Transport Vehicles

The Authority had a fleet of 10 vehicles and the expenditure on fuel amounted to Rs. 268,706 whilst the expenditure on repairs of these vehicles amounted to Rs. 315,139. Certain significant statistics relevant to the performance of this fleet are given below:

Number of Kilometres performed	: 271,200
Number of Litres of fuel consumed	: 25,620
Overall average performance per litre	: 10.6 Kilometres
Average expenditure on fuel per Kilometre	: Rs. 1.00
Average expenditure on repairs per Kilometre	: Rs. 1.25

## 4. Systems and Controls

Deficiencies observed during the course of audit were pointed out in my detailed report. Special attention is needed in respect of the following areas of control.

- (a) Debtors Control
- (b) Fixed Assets Control
- (c) Budgetary Control
- (d) Stores Control
- (e) Recovery of Staff Loans.

Auditor-General

### **Note of the Auditor-General**

The accounts of the Central Environmental Authority for the year ended 31st December, 1987 were audited under my direction in pursuance of provisions in Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read with Section 13(1) of the Finance Act, No. 38 of 1971.

My observations on these accounts which should be published in terms of Section 14(2)(c) of the said Finance Act are contained in my report of even date addressed to the Chairman of the Authority.

**Sgd./ W. Gamini Epa**  
**Auditor-General**

**28th December, 1988**  
**Auditor-General's Department,**  
**Colombo 7.**