

ANNUAL REPORT
OF THE
NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA
FOR THE
FINANCIAL YEAR 1984

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Letter of submission to His Excellency the President

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Natural Resources, Energy & Science
Authority of Sri Lanka,
47/5, Maitland Place,
Colombo 7.

28 January 1986.

His Excellency the President,
Presidential Secretariat,
Galle Face,
Colombo 1.

Your Excellency,

ANNUAL REPORT OF THE NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF
SRI LANKA FOR THE PERIOD 1ST JANUARY TO 31ST DECEMBER 1984

In terms of Section 16(111) of the Natural Resources, Energy & Science
Authority of Sri Lanka Act No. 78 of 1981, I have the honour to
submit the Annual Report of the Natural Resources, Energy & Science
Authority of Sri Lanka for the period 1st January to 31st December 1984
together with

- (a) A copy of the Audited Income and Expenditure
Account
- (b) A copy of the Audited Balance Sheet
- (c) Auditor General's Report

Yours obediently,



Dr R.P. Jayewardene

Director General

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

ANNUAL REPORT - 1984

1. Membership of the Natural Resources, Energy and Science Authority of Sri Lanka during the year

1. Dr R.P. Jayewardene (Director-General, NARESA)
2. Mr U.G. Bulumulle
3. Mr Lyn de Alwis
4. Dr (Mrs) Nallini de Alwis
5. Dr D.B. Danapala
6. Dr M.M.J.W. Herath
7. Dr Mohan Munasinghe
8. Mr V.R. Nanayakkara
9. Dr K.K.Y.W. Perera
10. Dr O.S. Peries
11. Dr R.S. Ramakrishna

2. Principal Staff

Director-General

Dr R.P. Jayewardene - M.D., F.R.C.P. (Lond)

Additional Director-General

Mr L.C.A. de S. Wijesinghe - B.Sc. Hons (Cey.) M.A. (Oxon)

Director (Scientific Affairs)

Mr M.A.T. de Silva - B.Sc. (Lond); M.Sc. (Lond)

Mr D.E.F. Fernandez - B.Sc. (Lond); M.Sc (Wales)

Director (Information)

Mr N.U. Yapa - B.Sc. (Cey.); A.L.A.; A.S.L.L.A.; M.L.S. (W.Ont.)

Administrative Secretary

Mr A.L. de Alwis - B.Sc. (Econ) Lond.

Chief Accountant

Mrs C. Jayamanne

Asst. Director (Scientific Affairs)

Mrs S.P. Prelis - B.Sc. Hons (Cey.)

Asst. Director (Publications)

Mrs N.R. Amarasuriya - B.Sc.Hons (Cey.); A.L.A. (Lond)

Scientific Officers

Dr K.S.S. Liyanage - B.Sc Hons (Cey.); Ph.D. (Aust.)

Mr D.P. Athulathmudali - B.Sc. Hons (Cey.)

Miss M.A.S. Fernando - B.Sc. Hons (Cey.)

Mrs V. Galapitage - B.Sc. (Cey.), M.Sc. (Canada)

Mr J.W. Chandrasekara - B.Sc. (Cey.); Dip. Stat. (Cey.)

Mrs J.D. Athputharajah - B.Sc. (Cey.), M.Phil. (Sri Lanka)

Miss G.K. Anthonipillai - B.Sc. (Cey.); M. Phil (Cey.)

Staff Assistants

Mr J.A. Chandrasiri - B.Sc Hons (Cey.)

Miss J.D.S. Dela - B.Sc. (Cey.)

Accountants

Miss N.P.M.M. Senanayake

Miss R.M.T. Sriyani

Miss K.C.J.T.K. Fernando

Graduate Translator

Mrs S.L. Tillekaratne - B.A. (Cey.)

Documentalists

Miss I.R. de Silva - A.S.L.L.A.

Mrs S.R. Nammuni - A.S.L.L.A.

Mr W.R. Jayakody - B.Sc. (Cey.)

Mr B.G.N. Kumarasinghe - B.Sc. (Cey.)

Confidential Secretary

Mrs S. Ratnayake

Repographic Technician

Mr S.R.U. de Silva

Establishment Assistant

Mr S. Galketiya

1.0 BOARD ACTIVITIES

1.1.0 Thirteen Authority meetings were held during 1984. The report of the Special Working Committee on Computer Policy, submitted last year was accepted by the Government, and a bill for the establishment of a National Computer Policy Advisory Committee was passed by parliament. A special committee was appointed to draft a memorandum on establishing a reliable telecommunication system in Sri Lanka.

A Technical Committee was appointed to monitor progress on the proposed Sri Lanka -Australia Research Project for the Biological Control of Salvinia.

At the request of Minister of Justice, NARESA commenced functioning as the focal point of the National Mangrove Commission, with the Director General as Chairman.

A report updating the earlier NSC report on Ocean Thermal Energy Conversion was prepared by a special committee and submitted to the Presidential office.

1.1.1 The Authority submitted memoranda to the Presidential Secretariat on

- (a) A National Energy Policy for Sri Lanka and
- (b) A recommendation to constitute the Royal Botanical Gardens as a separate department.

The Committee appointed by the Authority to report on the Telecommunication Systems in Sri Lanka completed its work and submitted a memorandum.

A Committee was appointed to examine research and development performance in the sectors - Health, Agriculture and Industry.

Dr R.S. Ramakrishna resigned from the Authority as he left the country on sabbatical leave and Dr(Mrs) Pearlyn Pereira was appointed in his place.

Research Grants in the Natural and Applied Sciences were approved for award in 1985.

Science Policy Implementation

Two memoranda were drafted for submission to H.E. the President on the subject of Science Policy Implementation in relation to the activities of NARESA.

1.1.2 SPECIAL COMMITTEE TO UPDATE NSC REPORT ON OTEC

A special committee was appointed by the Authority to update the report on Ocean Thermal Energy Conversion that had been submitted by the NSC in 1980. The Committee (chaired by Prof.J.A.Gunawardene, Professor of Electrical Engineering, University of Peradeniya) studied the developments in OTEC technology since the earlier report, and concluded that the commercial scale feasibility of electrical generation through OTEC has not yet been proved. The update report was passed by the Authority and submitted to His Excellency the President.

2.0 ACTIVITIES OF THE STATUTORY WORKING COMMITTEES

The activities of the 10 Statutory Working Committees are given below:

2.1 WORKING COMMITTEE ON SCIENCE EDUCATION

2.1.1 Ten meetings were held during this period.

2.1.2 The Committee recommended six grants for the year.

2.1.3 A draft constitution of the Sri Lanka Association for Science and Mathematics Education (SLASME) was prepared by Mr. U.A. Weerasinghe, a science teacher, at the invitation of the Committee.

2.1.4 The Committee invited Mr B.J.P. Alles to discuss and formulate a project proposal on the "Survey on Science Education in Rural Areas".

2.1.5 Science Education Awards

As a means of upgrading the learning and teaching of science at the secondary school level in Sri Lanka the Committee recommended that NARESA offer merit awards for outstanding achievements in the teaching and learning of science at the secondary school level. The scheme proposed by the Committee was approved by the Authority.

2.1.6 Curriculum material-Nutritional status of the people in Sri Lanka

The Committee invited Dr(Mrs) B.V. de Mel for a discussion on the above topic. Dr(Mrs) de Mel briefed the Committee on the four nutritional conditions prevailing in Sri Lanka. The Committee requested her to prepare booklets on those four conditions so that they could be used as curriculum material for nutritional education in schools.

2.1.7 Association for Science and Mathematics Education
(SLASME)

A draft constitution for the proposed Sri Lanka Association for Science and Mathematics Education was revised by the Committee.

The inaugural meeting of the Association was held on 12 December 1984 at 4.30 p.m. at the Chemistry Lecture Theatre of the University of Colombo. Dr R.P. Jayewardene, chaired the meeting. The constitution of the Association was adopted at this meeting.

2.1.8 Supplementary Reading Material in Science

Applications received for writing of Supplementary Reading Material in Science were processed. The selected applicants were requested to send their manuscripts before 31 December 1984.

2.1.9 Visit of Mr Alan Cadogan

Mr Alan Cadogan, Lecturer, University of Bristol who was on a visit to Sri Lanka was invited by the Committee for a discussion on the various activities carried out by the British Association for Science Education.

2.1.10 Science Investigations No. 3

Journal of 'Science Investigations' (No. 3) was printed.

2.2 WORKING COMMITTEE ON SOCIAL SCIENCE

2.2.1 Ten meetings were held during 1984. NARESA funded social science research projects were 49, and 9 projects were funded by SAREC.

2.2.2 International Commitments

The Director General Dr R.P. Jayewardene was nominated as Vice President of the Association of Asian Social Science Research Councils and as a member of the Executive Committee of the International Federation of Social Science Organizations.

2.2.3 Projects to be undertaken

A Project to prepare a Directory of Social Science Research Organizations/Groups in Sri Lanka was initiated. Preparation of a Directory of Social Scientists in Sri Lanka is in progress.

2.2.4 Formation of a Social Science Policy Research Group

The following members were co-opted to the Working Committee on Social Sciences to form the Social Science Policy Research Group.

1. Prof. B.E.S.J. Bastiampillai
2. Mrs Malsiri Dias
3. Mr Godfrey Gunatilleke
4. Dr Anura Goonesekera
5. Prof. W.D. Lakshman
6. Prof. M.P. Perera

2.2.5 International Conferences Attended

Prof. T.Nadaraja of the Working Committee on Social Sciences represented NARESA at the AASSREC Executive Council Meeting held in Bangkok in September 1984

Steps were taken to implement the various recommendations made at this meeting.

2.2.6 Visits from Officials of Social Science Organizations

Overseas

Mr. Khondoker Abdul Haque of the Social Science Research Council of Bangladesh visited NARESA under the Administrative Visitor's Fellowship programme of IFSSO in February 1984.

2.2.7 Membership of International Organizations

The Director-General, Dr. R.P.Jayewardene was appointed as Vice President of AASSREC, and as a Member of the Executive Committee of IFSSO.

2.2.8 Publications

1. Vol.5 No.1 of the Sri Lanka Journal of Social Sciences was published and distributed to local and overseas organizations.
2. The printing of Vol.5. No.2 of the Journal was in progress.

3. The publication of 200 copies of a 'A Bibliography of Siddhayurveda' by Mr S. Murugaverl was undertaken by the Working Committee.

2.3 WORKING COMMITTEE ON AGRICULTURE & ANIMAL HUSBANDRY

- 2.3.1 Three meetings were held during this period. The position of grants is given in Table 1.

2.4 WORKING COMMITTEE ON BIOLOGICAL SCIENCES

- 2.4.1 Eight meetings were held during 1984 and the position of grants is given in Table 1.

2.5 WORKING COMMITTEE ON CHEMICAL SCIENCES

- 2.5.1 Five meetings were held during this period, and the position of grants is given in Table 1.

2.5.2 Other activities

A seminar on "Minerals and Mineral Resources, Research & Development in Sri Lanka" was held on the 4th of May, 1984 in the auditorium of NARESA. Thirty seven scientists working on this field participated at the seminar and eight distinguished scientists presented their papers. A classification of research projects under chemical science was prepared.

2.6 WORKING COMMITTEE ON MEDICAL & VETERINARY SCIENCES

2.6.1 Six meetings were held during this period and the position of grants is given in Table 1.

2.6.2 Other activities

A Workshop for Medical & Veterinary Science grantees was held on 21st September 1984. Grantees who were awarded grants prior to 1984 presented papers on research projects carried out by them.

2.7 WORKING COMMITTEE ON PHYSICAL & ENGINEERING SCIENCES

2.7.1 One meeting was held during this period and the position of grants is given in Table 1.

2.7.2 Committee to Draft a Memorandum on the Telecommunication Systems

The Committee met four times during this period and drafted the memorandum.

2.7.3 Other activities

Directory of Dissertations and Theses

Work connected with the preparation of the directory was continued. The completed 'Directory of Dissertations and Theses' was made ready for publication.

2.8 WORKING COMMITTEE ON NATURAL RESOURCES

- 2.8.1 Five meetings were held during this period. The manuscript on the Economic Geology of Sri Lanka was edited and made ready for publication.
- 2.8.2 The manuscript prepared on Water Resources of Sri Lanka was completed and handed over to the referee. The Committee decided to print the completed manuscripts at NARESA using the word processor and the press. It was also decided to assign a competent person to edit and proof read each manuscript before the final printing.
- 2.8.3 A group discussion was held to focus attention on aspects of conservation and management of medicinal plants. It was decided to obtain reports on various topics from relevant institutions before making any recommendations.
- 2.8.4 The collection of information on ongoing research at various institutions are in progress.
- 2.8.5 Some basic information on medicinal plants such as species used for medical purposes, species and their quantities that are imported were collected as suggested by the Committee. The Committee hopes to have discussions on these subject areas with selected persons involved in this work in order to focus attention on the aspects of conservation and management of medicinal plants.
- 2.8.6 The Committee has decided to submit a memorandum to the government regarding the upgrading of the status of the Botanical Gardens to that of a separate Department in the Ministry of Agricultural Development and Research.

2.9 WORKING COMMITTEE ON ENERGY

2.9.1 Five meetings were held during 1984.

2.9.2 National Energy Policy

His Excellency the President approved the draft National Energy Policy guidelines submitted by the Authority and requested that publicity be given to them in the private and public sector.

2.9.3 Demonstration of Fuelwood Cookers

The Committee invited various institutions that have developed energy saving fuelwood cookers for a demonstration in the premises of NARESA. The Committee decided on the following.

- (a) Recommend the CISIR and Sarvodaya model cookers to the Ministry of Power and Energy for popularisation;
- (b) Devise and carry out tests;
- (c) Assist the institutions in further R & D work.

2.9.4 'Standard Cooking Tests' for Improved Fuelwood Stoves

The results of the standard cooking tests carried out by the CISIR on different models (IDB, Sarvodaya and CISIR) revealed that the firewood saving by the IDB stove in comparison with the Semi-enclosed open hearth was 24.9% whereas the CISIR and Sarvodaya stoves were 15.7% and 9.3% respectively. The Committee recommended that a grant be given to IDB for experimental work on and field evaluation of the stove.

2.9.5 Proposal on New and Renewable Source of Energy

A grant of Rs. 2250/= was awarded to IDB for (stage I) experimental and field evaluation of its fuelwood cooker. It was decided await the results of stage I before considering the award of a grant for stage 2 which involves the production and testing of 500 cookers.

2.9.6 Standard Cooking test for Improved Stoves

The Working Committee accepted a report on the 'Performance Test for Improved Stoves' submitted by a committee headed by Dr de Silva and requested him to carry out the tests at CISIR under his supervision. An allocation of Rs. 5500/- was authorized for this project.

2.9.7 CISIR Proposal for Setting up a Solar Water Heating System

A project proposal received from the CISIR for setting up a solar water heating system for a twenty roomed tourist hotel was forwarded to the Consultative committee on Energy of the Ministry of Finance and Planning with the request that it be submitted to the Canadian Authorities for funding.

2.9.8 Generation of Gas from Sea Water

The members of the 'Divisulin Group' were invited by the Committee for a discussion on the equipment invented and the methodology adopted by them for the liberation of gas from sea water. The Committee after discussion agreed that the device fabricated by the Divisulin Group and the gases produced will have to be investigated further before any definite statement could be made on the claims. On the

recommendation of the Committee the Ministry of Industries & Scientific Affairs was informed that this matter be referred to the NERD Centre for a full investigation with the assistance of CISIR.

Hydrocarbon Producing Plants

A preliminary report on 'Hydrocarbon Producing Plants' was prepared by the secretariat.

2.9.9 Discussion of Fuelwood Consumption and Requirements for Sri Lanka for the Next Ten Years

The Committee invited all those who are engaged in collecting data on fuelwood consumption for a discussion. Mr A.P. Sepalage, Dr L. Gooneratne, Mr N.A. Embogama, and Mr L.C.A de S. Wijesinghe participated.

2.9.10 Assistance to NERD Centre

The Committee recommended a grant of Rs. 5000/- to the NERD Centre for the development and field testing of 15 concentrator cookers in collaboration with the Ministry of Power & Energy.

2.9.11 OTEC Programme

The earlier report on a 'Study of Ocean Thermal Energy Conversion' was up-dated by an adhoc committee appointed by the Authority. The up-dated report was forwarded to His Excellency the President.

2.9.12 Proposals on New and Renewable Sources of Energy

The Committee examined the proposals referred to NARESA by

the National Consultative Committee on the New and Renewable Sources of Energy of the Ministry of Power and Energy and decided as follows:

Project Title

- | | |
|--|--|
| 1. Development of a paddy husk fired stove for household use and a paddy husk briquetting machine. | It was decided to support the first part of the project. |
| 2. Promoting of 'Savood' hearth. | The Committee decided that the standard cooking test be carried out prior to making a decision on the request for support. |
| 3. Installation of Bio-gas plants in Sri Lanka. | Rejected as it would be duplication of work. |

3.0 OTHER COMMITTEES AND STUDY GROUPS

3.1 NATIONAL COMMITTEE ON MAN & BIOSPHERE RESEARCH PROGRAMME

- 3.1.1 Five meetings were held during this period.
- 3.1.2 The Committee recommended funds amounting to Rs. 300,000/- for the continuation of MAB PROJECTS.
- 3.1.3 The Committee made study tours of Sinharaja forest, Kalawewa and Hurulu Reserve. The Committee recommended to include Sinharaja MAB reserve in the list of World Heritage Properties. The Committee discussed the importance that should

be given to protect the environmental aspects of the Knuckles range and decided to refer this matter to CEA.

3.1.4 It was decided by the Committee to start Taxonomic studies in the Hurulu Reserve. Two field stations managed by the Forest Department could be used by the staff during their visits.

3.1.5 The MAB Committee has decided to make arrangements to host a UNESCO sponsored workshop on tropical forest ecosystems towards the end of 1985.

3.1.6 At a request by UNESCO, the Committee prepared a project proposal on land use and submitted to UNESCO for funding.

3.1.7 The Committee recommended funds to carry out the project on 'The ecology and social biology of the western purple faced leaf monkey, Presbytis senex nestor' an endangered species in Sri Lanka. The project will be co-ordinated by Mr Lyn de Alwis.

3.1.8 The set of posters (36) on environment sent by UNESCO, Paris was mounted on cloth to be used for displaying purposes. A translation of these posters in Sinhala was also prepared to be exhibited.

4.0 FOREIGN GRANTS FOR RESEACH

4.1 US AID PROGRAMME

Preproposals were invited from Science Institutions for projects to be funded under the US AID programme. The preproposals received were submitted to the US AID Office for forwarding to Washington.

A grant project agreement was signed by the Director General and Director, US AID, for the provision of a sum of US \$ 166137 by US AID for the following two projects.

- (1) Culture of leaf explants of coconut in vitro (Grantee - Mrs S.M. Karunaratne, CRI).
- (2) Promoting Jatropha curcas (Rata Endaru) oil as a fuel substitute for diesel engine fuel in Sri Lanka (Grantee - Dr S.G. Illangantileke, University of Peradeniya).

Applications were called for preproposals for the award of US AID Grants in 1985.

Biological Control of Salvinia

Negotiations were continued with the Australian Centre for International Agricultural Research (ACIAR) for finalising the proposed project for the Biological Control of Salvinia in Sri Lanka. As a first stage in the project the Chief Quarantine Officer of the Department of Agriculture, went to Australia to study the Quarantine methods which could be applied to the insect that would be imported for controlling the Salvinia. The Advisory Committee to evaluate and monitor the project once it became operational was appointed.

The Australian Centre for International Agricultural Research (ACIAR) indicated its willingness to provide funds for the project on the Biological Control of Salvinia. The agreement was under preparation and is expected to be signed early 1985.

4.2 Visit of SAREC Delegation

A two member team of officials from SAREC visited Sri Lanka from 17/2/84 to 23/2/84 for discussions on continued support for

research. The delegation held meetings and discussions with NARESA staff, Buffalo Research Committee, Prof. S.S. de Silva (re-Inland Fisheries Project), Secretary and Additional Secretary, to the Ministry of Cultural Affairs, members of the Zoological Survey team, other applicants for SAREC grants and with a team of researchers in humanities. At the end of the visit a joint statement was signed between SAREC and NARESA on future research activities and implementation of the joint programme.

A 3-member delegation from SAREC led by Dr(Mrs) Camila Odhnoff, Chairperson, SAREC was in Sri Lanka from 25 October to 2 November 1984, to discuss progress of research projects with NARESA. At the end of their mission a joint statement embodying the areas in which agreement was reached, was signed.

4.3 NARESA-SAREC Buffalo Research Programme

The Advisory and Research Committees of this Programme were amalgamated at a meeting held on 14th February. At this meeting the progress of all projects were reviewed. Five meetings of this Advisory and Research Committees were held during this year.

A Seminar on Buffalo Research was held on 29-10-84 at the P.G.I.A. Auditorium in Peradeniya to discuss the progress of work in the research programme and also to identify new areas for research.

4.4 NARESA-SAREC Inland Fisheries Research Programme

Equipment and consumables required for projects 1 & 11 were ordered. The first stage of Project 11 (Hill streams) was completed by the Swedish researcher Dr Rolf Gydemo who was in Sri Lanka from 7-25 May, 1984.

The SAREC delegation which was in Sri Lanka during October - November, 1984, discussed future Swedish collaboration in this Inland Fisheries Programme, with Dr S.S. de Silva and Dr M.A. Pemadasa. The team also visited the Nuwara Eliya hatcheries, and the hill streams at Horton Plains where the initial studies were carried out.

4.5 NARESA-SAREC Research Humanities

The Ministry of Cultural Affairs submitted 18 applications for research awards in Humanities. On a preliminary screening in consultation with the Cultural Ministry 10 proposals were selected for funding.

The Authority approval was granted to transfer the funds to the Cultural Ministry for it to handle the programme.

4.6 NARESA-SAREC Zoological Survey of Sri Lanka

The first meeting of the Zoological Survey Committee was held on the 8th of June 1984 presided over by Prof.H.Crusz. Twelve invitees participated in this meeting which outlined the initial phase of the Programme.

The second meeting held on the 22nd of October 1984, formally instituted the Advisory Committee for the Zoological Survey of Sri Lanka. This meeting presided over by the Director-General of NARESA appointed Prof. H. Crusz of the Department of Zoology, University of Peradeniya, as the Scientific Co-ordinator.

The project work commenced with a newspaper advertisement inviting interested persons to participate in the activities of the Zoological Survey. The respondents to this newspaper advertisement were issued with the first news bulletin of the Survey, which provided detail information on how to participate in the Survey activities. As a

result of this invitation, five project proposals were received from prospective participants to be considered by the Advisory Committee.

A second bulletin prepared and issued in December 1984 provided the list of animal groups for the guidance of participants.

4.7 Transfer of Funds

A sum of Rs. 3,886,194.40 (US \$ 154,368.00) has been transferred by SAREC to NARESA for the disbursement during 84-85.

4.8 Commonwealth Science Council - Workshops

The Workshop on Integrated Energy Systems for Rural Development was held from the 23-27 April 1984 in the auditorium of NARESA. Delegates from Malaysia, Papua New Guinea, Tonga, U.K., Australia and Sri Lanka outlined the back ground to development of renewable energy sources of rural communities and their incorporation in integrated systems. Papers on selected solar technologies and biomass/bio synthetic fuel possibilities for remote rural communities were presented by the participants from U.K. and Australia.

Recommendations from the Workshop are technical proposals for wind/water projects in Tonga, photovoltaic battery charging in remote areas of Papua New Guinea, full scale monitoring of palm oil biogas scheme in Malaysia and extension of the present integrated energy systems for villages (including the phase II of the Pattiypola Project) of Sri Lanka and the selection of a village for the introduction of improved energy systems.

5.0 SLSTIC AND LIBRARY SERVICES

5.1 Working Committee on Scientific and Technical Information (Sri Lanka National UNISIST Committee)

The Committee was composed of the following persons:

Prof. J.A. Gunawardena (Chairman), Dr R.P. Jayewardene, Dr R.L. de Silva, Mrs I. Corea, Mr G.P.S.H. de Silva, Miss C.L.M. Nethsinghe, Mr S.J. Sumanasekera Banda, Mrs I. Unamboowe, Mrs M. Wijesinghe, Mr N.U. Yapa (Secretary).

Mrs. M. Wijesinghe was appointed with effect from 16-07-84. The Working Committee served also as the Sri Lanka National UNISIST Committee. In September 1984 the Authority decided that the Committee should function as the National Advisory Group for ASTINFO (Regional Network for the Exchange of Information and Experiences in Science & Technology in Asia & Pacific).

Five meetings of the Committee were held during 1984. The Committee specially looked into Information Services of SLSTIC and provided necessary advices and guidance for the operation of SLSTIC. On the recommendations of the Committee the Authority decided to accept "Library & Information Services" as a field for awarding research grants.

5.2 Coordination

5.2.1 Sri Lanka Scientific & Technical Information Network (SLSTINET)

Total number of libraries participating in SLSTINET was increased to 94. A meeting of the SLSTINET Librarians was held on 10 February 1984 to review the cooperative activities. 45

Librarians participated in the meeting. A corporate plan for the joint acquisition of abstracting and indexing journals was revised.

5.2.2 Agricultural Information Network (AGRINET)

This network which was organized by SLSTIC to coordinate the activities of libraries attached to agricultural organizations, had 24 participating libraries. A meeting of AGRINET Librarians was held on 9 March 1984. 17 Librarians participated in this meeting. A study on "an agricultural information user" was initiated. The "contents page exchange service" was continued. AGRINET Librarians decided to work out a scheme for the rationalization of agricultural journals.

5.2.3 Renewable Energy Resources Information Network (RERINET)

17 libraries participated in RERINET. RERINET activities had to be limited to provision of literature searches due to lack of staff at SLSTIC.

5.2.4 Health Science Library, Literature and Information Service (HELLIS)

SLSTIC assisted in HELLIS activities which were coordinated by the Ministry of Health. 8 meetings of HELLIS were held during 1984.

5.2.5 Regional Information Network for South and Central Asia (RINSCA)

The Authority decided to act as the National focal point of RINSCA which was coordinated by the Regional Office of Science & Technology for South & Central Asia (ROSTCA). The main

objectives of RINSCA was to organize cooperative programmes for exchange of information within the region using computer and telecommunication technologies. Sri Lanka participated in the following RINSCA Programme during 1984.

- (a) Unesco Regional Course on Computer Network Design and Management for Hardware Specialists. 28 May to 2 June 1984, New Delhi.
- (b) Unesco Regional Course on Computer Network Design and Management for Software Specialists. 4 June to 16 June 1984, New Delhi.
- (c) Regional Course on Databases from the Network Point of View, Katmandu. 18 - 23 November 1984.

5.2.6 Commonwealth Regional Renewable Energy Resources Information System (CRRERIS)

SLSTIC continued to serve as the National focal point of CRRERIS organized by the Commonwealth Scientific and Industrial Research Organization, Australia.

5.2.7 Federation Internationale de Documentation (FID)

The Authority decided to become the national member of FID which is an international non-governmental organization. The main objective of FID is to promote through international cooperation, studies and research as well as the organization and practice of information science.

Sri Lanka was represented at the FID/CAO (Commission for Asia and Oceania) Conference held from 23 - 28 November 1984, at Melbourne, Australia.

6.0 Cooperative Programmes

6.1 Union Catalogue of Scientific & Technical Books (UNICAST)

Compilation of the computerized Union Catalogue (UNICAST) was continued with the cooperation of about 30 libraries. Most of the libraries started sending their information in data input sheets. During the period under review, information about 2514 books were received for UNICAST.

6.2 Union List of Scientific & Technical Periodicals (UNILIST)

The update of UNILIST was delayed due to inadequate staff.

6.3 Cooperative Acquisition Plans (CAP)

An acquisition plan to purchase important abstracting and indexing journals in Science & Technology was worked out. The plan contained 64 titles to be purchased by 27 libraries. A Union List of current abstracting journals available in SLSTINET libraries was compiled. A similar Union List was prepared with the cooperation of AGRINET libraries to record holdings of primary agricultural journals.

7.0 Educational and Training Programmes

7.1 SLSTIC Educational and Training Programmes (STEP)

STEP 26 - Seminar on Sources of Scientific Information

A seminar on sources of scientific information was held on 2nd March 1984 in the Auditorium of NARESA. Dr R.P. Jayewardene, Director General, presided. 30 scientific library personnel participated in the Seminar. The Seminar contained 6 lectures and audio-visual programmes.

STEP 27 - Workshop on UNICAST

A workshop was organized on the request of SLSTINET Librarians and the National UNISIST Committee, to train the Cataloguers of libraries participating in the UNICAST project in the preparation of input sheets. The Seminar which was held on 6 April 1984 at NARESA had both theoretical and practical sessions for the participants.

STEP 28 - Seminar on Introduction to Computers

A Seminar on introduction to computers was held on 3 August 1984 at the NARESA Auditorium. About 20 senior Librarians were invited to participate in the Seminar. Data Management Systems Ltd. provided lecturers and equipment for the Seminar.

STEP 29 - Seminar on Bibliographic Data Bases at SLSTIC

At a request by the members of the National UNISIST Committee, a Seminar was organized to demonstrate and explain bibliographical data processing work at SLSTIC. 8 members of the UNISIST Committee attended the Seminar which was held on 17 December 1984 at NARESA.

8.0 Training Programmes

The library personnel of the Sugarcane Research Institute followed a inservice training programme at SLSTIC from 15 October to 26 October 1984.

9.0 Information & Documentation Services

9.1 National Scientific Reports Depository

The National Scientific Reports Depository had been organized to collect published and unpublished local reports. 184 reports were added to the collection during the period under review.

9.2 Inter-library Loans

207 local requests for inter-library loans were handled. The British Library Lending Division was contacted to satisfy the requests for books which were not available locally.

9.3 Sri Lanka Science Index (SLSI)

SLSI recorded the local output of scientific literature. It contained information about scientific reports, seminar documents and articles in local periodicals and newspapers. During 1984 SLSI Vol. 7 Nos. 1 & 2 was published. This was the first of this kind of information product generated from a bibliographical data base in Sri Lanka.

10.0 Technical Services

10.1 Photocopying Service

109, 739 photocopies were taken during the year 1984. Rs. 14, 253 was earned by supplying photocopies on personal requests. Outside sources (local & foreign) were contacted to satisfy photocopying requests when originals were not available locally. During 1984, 257 requests were satisfied through local and foreign suppliers.

10.2 National Technical Information Service (NTIS)

Reports Procurement

39 reports were procured at a cost of Rs. 11,192. AMTID, a monthly bulletin on Appropriate Technology for development, was distributed among the regular customers. The cooperative agreement between NTIS and NARESA for the distribution of technical reports was extended up to 31 December 1985.

10.3 Printing Service

Using the Heidelberg GTO printing machine 158,150 impressions were taken. 285 plates were made for GTO machine. Printing Camera was not functioning properly due to a defect in the computer panel. Repair work was entrusted to the Electronic Workshop at the University of Peradeniya. Several technical reports and documents were printed during 1984.

The Richo office printing machine was mainly used for minor printing jobs. During 1984, 166,640 impressions were taken.

10.4 Stencil Duplication

8000 impressions were obtained in 1984.

10.5 Binding

3352 items were bound (full and half) during the period under review.

10.6 Microfilming

Test master and diazo fiches were sent to the International Development Research Centre (IDRC) Canada for evaluation. IDRC had reported that fiche prepared by us conform to the international standards. 83 master fiche and 127 diazo fiche were prepared during 1984. The major jobs undertaken were:

Sri Lanka Science Index Vol. 1, No. 1 to Vol. 7 Nos. 1 & 2
Vidurawa Vol. 1, No. 1 to Vol. 3, No. 4
Keyword Index to the Sri Lanka Forester
Journal of NSC Vol. 10, Nos. 1 & 2; Vol. 7, No. 2
Standards for editing and publishing scientific journals
British standards (486 books)
Census of Population and Housing 1983
Asian Development Bank Regional Energy Survey
Power Augmentation in Wind motors

10.7 Audio Visual Services

SLSTIC maintained a pool of AV equipment for hiring out to Scientific & Technical Institutions for staff development and research activities. AV services were provided for the Conference organized at the NARESA Auditorium.

10.8 Computer Services

Compilation and maintenance of the following bibliographical databases were continued:

UNICAST - Union Catalogue of Scientific & Technical Books
UNILIST - Union List of Scientific & Technical Periodicals
SLSI - Sri Lanka Science Index
AGRINET Periodicals

Programmes were compiled and successfully executed to obtain camera-ready print-outs for the off-set printing of UNICAST quarterly bulletin and SLSI quarterly bulletin.

Data Entry hours were extended to 6.00 p.m. on working days to expedite compilation of UNICAST. Word Processing of certain NARESA publications were undertaken.

11.0 Publications

1. Journal of the National Science Council of Sri Lanka

1. Printing of Vol. 10 (2) was completed at the University Press, University of Moratuwa.
2. Editorial processing of scripts for Vol. 11 Nos. (1 & 2). Printing of Vol. 11 Nos. (1 & 2) were handed over to Messers. Aitken Spence Ltd.
3. No. of scripts received for 1984 = 34
4. Meeting of the Editorial Committee was held on 30th March 1984.
5. Index to the J/NSC/SL. Vols. 6 - 10 was compiled.
6. Distribution
 - * Exchanges/gifts totalling 220 copies of Vol. 10 (2) were distributed locally and abroad.
 - * 250 sets of Vols. 1 - 5 were distributed to foreign Universities, Research Institutes, etc.

2. Vidurawa

1. English - Compilation of Vol. 7 (1) on "Computers and Information Management".
2. Sinhala - The following issues were translated and published.
Vol. 5 (2) Research in Sri Lankan Universities
Vol. 6 (1) Chemistry, Industry and the Citizen.
3. Vol. 4 (4) New and Renewable Sources of Energy was translated and handed over to Crown Printers for printing.
4. Distribution
Back copies of Vidurawa were distributed to Government Schools with A-level classes as follows:-
Sinhala 110 copies
Tamil 25 copies
English 90 copies

3. SLSTINET Newsletter

Vol. 4 No. 1 and Vol. 4 No. 2 of the SLSTINET Newsletter were compiled, published and distributed.

4. Seminar for Editors

Editorial processing of the Report on the Seminar for Editors. 200 copies of the Seminar Report on Standards for Editing and Publishing Scientific Journals were published at the NARESA Press.

12.0 ADMINISTRATION

1. The permanent staff at the end of the period under review totalled 88.
2. The number of casual employees who worked on Research Grants under the supervision of grantees and whose allowances were paid by the Authority as at the end of 1984 was 97.
3. Six officers resigned from the Authority and a driver was discontinued from service on disciplinary grounds. Two officers out of the seven were paid gratuities in terms of Payment of Gratuity Act No. 12 of 1983.

13.0 Staff Publications

de Silva, M.A.T (1984) International Co-operation in Science and Technology: a study of a R & D Programme on Rural Technology in the Asia - Pacific Region. Commonwealth Science Council, London.

Yapa, N.U. (1984) "Transfer of information" National Workshop on University- Industry Interactions in Chemistry, on 20th May 1984, Colombo.

Wijesinghe, L.C.A. de S. (1984) 'A sample study of Biomass Fuel Consumption in Sri Lanka Households' Biomass 5, pp 261-282.

Table I

LOCAL GRANTS SPONSORED BY NARESA - 1984

Field Position re.grants	Agriculture & Animal Husbandry	Biological Sciences	Chemical Sciences	Medical & Vet.Sciences	Physical & Engineering Sciences	Social Science
No. of functional grants	19	29	31	27	03	33
No. of applications received	21	17	11	12	09	25
Amt. requested by grantees	Rs. 280,000	Rs.1,172,053	Rs. 460,000	Rs. 440,310	Rs. 106,320	Rs. 150,000
No. of grants awarded	07	11	10	10	03	18
Sum allocated during 1984	Rs. 175,000	Rs.297,479	Rs. 284,350	Rs. 282,995	Rs. 81,855	Rs. 80,000
No. of grants completed	07	07	03	09	None	08
No. of grants withdrawn	None	01	02	02	01	03
No. of grants terminated	None	01	None	01	01	06
Copies of thesis (P.G.) received	01	03	06	None	None	10
No. of registered for P.G.Training during 1984	-	02	07	None	None	26
No. of R.As' appointed during 1984	04	04	10	None	None	-

Table - 2

NOMINATIONS FOR OVERSEAS TRAINING DURING 1984

<u>Subject and Period</u>	<u>Awarding Agency</u>	<u>Nominees</u>
1. Regional Seminar on use of Information Systems and services on Research on Progress, Hyderabad, India, 26-30 March 1984	UNESCO	1. Mr. N.T.S.A. Senadeera Librarian Univ. of Peradeniya. 2. Miss. I.R. de Silva. Documentalist NARESA.
2. Training workshop on Environmental Planning 6-13 May 1984 Canberra, Australia.	Commonwealth Science Council	1. Mr. D.E.F.Ferdinandez Director (S.A.) NARESA.
3. Workshop on R&D Evaluation Methods and Science Management, Jamaica, 21-25 May 1984.	Commonwealth Science Council	1. Dr. R.P. Jayewardene. Director-General. NARESA.
4. Training Course - Computer Network Design and Management, New Delhi, India - 28 May to 16 June 1984	UNESCO	1. Prof. J.A. Gunawardhene. Univ. of Peradeniya. (28th May to 2nd June '84) 2. Mr. M.A.N. Gunaratne. Staff Assistant, NARESA. (4th - 16th June 1984)
5. Seminar on Energy at the Univ. of Regina in Sackatchewan, Canada, one week from 14-05-1984	CIDA	1. Mr. L.C.A. de S. Wijesinghe Addl. Director-General NARESA
6. 13th CSC Meeting 4-10 Sep. 1984 - Ottawa, Canada	Commonwealth Science Council	1. Dr. R.P. Jayewardene. Director-General. NARESA

Subject and Period	Awarding Agency	Nominees
7. Workshop on Human Population, Mangrove Resources, Human induced stresses, Human Health - 2-7 Oct. 1984 Second Regional Task Force Meeting, 8-9 Oct. 1984	UNESCO	1. Dr. R.P. Jayewardene. Director-General, NARESA.
8. 8th FID/SAO General Assembly & Congress, Melbourne, Australia 23rd - 28th Nov. 1984.	FID/CAO	1. Mr. N.U. Yapa. Director (I), NARESA.
9. (i) 4th Meeting of the Directors of Medical Research Councils or Analogous Bodies and concerned research foci in the relevant Ministries, Jakarta. 3-4 Dec. 1984. (ii) The joint South-East Asia/Western Pacific meeting of the Directors of Health research councils or Analogous Bodies, Penang, 6,7,8 Dec. 1984	WHO WHO	1. Dr. R.P. Jayewardene. 1. Dr. R.P. Jayewardene.
10. Regional Training Seminar on the Implementation of International Standards and Methods of Data Collection of Scientific and Technological Activities - New Delhi 17-21 Dec. 1984.	UNESCO	1. Mr. S. Liyanage. S.O.- NARESA
11. Second consultative meeting on the Regional Network for the Exchange of Information and Experience in Science and Technology in Asia and the Pacific (ASTINFO), Jakarta 5-7 Nov. 1984.	UNESCO	1. Dr. R.P. Jayewardene. D.G., NARESA
12. Workshop on "Fuel Strategies and action Programmes in Asia" to be held in Bangkok - 17-22 Dec. 1984.	AIT	1. Mr. L.C.A. de S. Wijesinghe Addl. Director-General. NARESA.

Subject and Period	Awarding Agency	Nominees
13. Regional Course on Databases from the Network Point of view, Kathmandu, Nepal 18th November to 23rd November 1984	UNESCO	Prof. J.A. Gunawardena Univ. of Peradeniya
14. Regional Course on Databases from the Network Point of view, Kathmandu, Nepal 4th June to 16th June 1984	UNESCO	Mr H.W. Wijewansa Computer Centre Faculty of Engineering Univ. of Peradeniya
15. Second International Introductory training course on Mangrove Eco-System Goa, India 1st November to 25th November 1984	UNESCO	1. Miss M. Kanagaratna National Aquatic Resources Agency Regional Research Centre Kalpitiya 2. Mrs D. Sadacharan 4th Floor, Maligawatte Secretariat Colombo 10
16. Workshop on human population and 2nd Regional Task Force meeting - Bogor, Indonesia 2nd October to 9th October 1984	UNESCO	1. Dr K. Vivekanandan Chief Research Officer Forest Dept. Colombo 2 2. Mr V.R. Nanayakkara Conservator of Forests Forest Department Colombo 2

AGRICULTURE & ANIMAL HUSBANDRY

THE STATUS OF RESEARCH GRANTS DURING 1984

Year of Award	Proposed Duration	No. of Grants	status during 1984			
			Completed	Terminated	Continuing	Withdraw
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	2	2	-	-	-
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	1	1	-	-	-
1981	1 year	-	-	-	-	-
	2 years	1	1	-	-	-
	3 years	-	-	-	-	-
1982	1 year	1	1	-	-	-
	2 years	1	1	-	-	-
	3 years	-	-	-	-	-
1983	1 year	4	1	-	3	-
	2 years	4	-	-	4	-
	3 years	2	-	-	2	-
1984	1 year	4	-	-	4	-
	2 years	2	-	-	2	-
	3 years	1	-	-	1	-

RESEARCH GRANTS PROGRESS DURING 1984

Agriculture & Animal Husbandry

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. cts	Status during 1984
RG/79/2	Prof. Y.D.A.Senanayake Fac. of Agriculture Univ. of Peradeniya	Studies on winged bean Psophocarpus tetragonolobus	1979	3 years	80,040.00	Completed
RG/79/4	Dr. L.A. Ganawardena Fac. of Agriculture Univ. of Peradeniya	Breeding for beef in Sri Lanka	1979	3 year*	98,700.00	Completed
RGB/80/59	Dr. W.S. Alles Dept. of Minor Export crops, Matale.	Studies in the genus Cinnamomum	1980	3 years	55,380.00	Completed
RGB/81/7	Mr. D.T. Ekanayake Miss N.P.U de Silva Royal Botanical Gardens Peradeniya	Evaluation of some cultural aspects of Anthuriums, a promis- ing cut flower for Sri Lanka	1981	2 years	58,000.00	Completed
RGB/82/1	Mrs. C.Breckenridge C.A.R.I., Gannoruwa <u>From March 1983 trans- ferred to:</u> Dr. U.Samarajeewa Dept. of Agric. Chem. Fac. of Agriculture Univ. of Peradeniya	Mycotoxins in rice and basic investigations of mycotoxins in vegetable oils	1982	2 years	50,130.00	Completed

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.Cts	Status during 1984
RG/82/2	Mr. R. Senaratne Dr. S.K. Charles Dept of Agronomy Ruhuna University College	Investigations on modulation and nitrogen fixation by some cultivars of winged bean under water stressed conditions	1982	1 year	18,250.00	Completed
RG/83/1	Dr. M.A.S.K. Ranasinghe Dept of Agric.Biology Fac. of Agriculture Univ. of Peradeniya	Investigation of the botanicals with a view to their potential application as pest-control agents in Sri Lanka	1983	3 years	150,200.00	On going
RG/83/2	Prof. C.S. Weeraratne Faculty of Agriculture Ruhuna University College	Studies on the use of green manures in crop production.	1983	3 years	77,500.00	On going
RG/83/3	Prof. C.S. Weeraratne Mr. G.A. Dayatilaka Dept of Agronomy Fac. of Agriculture Ruhuna University College	Effect of K ₂ O level on growth, physiological disorders, yield and fruit quality of tomato.	1983	8 months	9,980.00	Completed
RG/83/4	Dr. K.D.N. Weerasinghe Dept of Agronomy Ruhuna Univ. College	Effect of soil and root factors on tapering (Pencil point) disease of coconut plant in southern Sri Lanka	1983	1 year	26,700.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	Status during 1984
RG/83/5	Dr. S. Abeysekera Statistical Unit Univ. of Colombo	Analysis of Climatic & crop data for agricultural purposes.	1983	1 year	21,000.00	On going
RG/83/43	Dr. A.B.P. Jayawardene Mr. H. Peiris Mr. A. Perera Veterinary Reserach Ins. Gannoruwa, Peradeniya	A whole farm evaluation of an experimental small holder dairy in the mid country	1983	2 years	9,940.00	On going
RG/83/61	Prof. H.M.P. Gunasena Mrs. I.P. Wickremasinghe Fac. of Agriculture Univ. of Peradeniya	Genetic Evaluation and selection of winged bean	1983	2 years	90,800.00	On going
RG/83/66	Prof. M.A. Pemadasa Mr. R.T. Serasinghe Fac. of Agriculture Ruhuna Univ. College	Improvements of grass land productivity under coconut cultivation in southern Sri Lanka	1983	1 year	91,320.00	On going
RG/83/67	Dr. K.N. Pathirana Fac. of Agriculture Mapalana Kamburupitiya	Effect of variety and stage of harvesting on the nutritive value of rice straw for ruminants.	1983	1 year	8,860.00	On going
RG/83/68	Dr. G. Keerthisinghe Mr. K.A. Nandasena Dept of Agricultural Chemistry Univ. of Peradeniya	Studies on the availability of Phosphorus of some of the important soils in Sri Lanka.	1983	2 years	47,320.00	On going

Ref No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. cts	Status during 1984
RG/84/AG/1	Mr. K.B. Palipana Mr. M.D. Fernando Mr. T.B. Adhikarinayake Rice Processing Research and Development Centre Anuradhapura.	Improvement of farm level grain storage methods.	1984	1½ years	15,150.00	On going
RG/84/AG/2	Mr. W.L. Weerakoon Regional Agricultural Research Station Mahallupalama.	Multi-storied cropping in the Dry Zone of Sri Lanka.	1984	1 year	15,000.00	On going
RG/84/AG/3	Mr. G.A. Gunatilake Mr. W.M. Jayatilake Bandara Regional Agricultural Research Centre Bomuwela.	Effect of Iron Toxicity on Rice Cultivation.	1984	3 years	102,050.00	On going
RG/84/AG/4	Mr. P.A.J. Yapa Rubber Research Institute Agalawatte.	Role of aquatic plants in effluent treatment systems in rubber plantation.	1984	2 years	40,000.00	On going
RG/84/AG/5	Dr. S.G. Illangantilleke Mr. S. Elias Dept of Agric. Engineering Univ. of Peradeniya.	Rice crop by product disposal and utilization	1984	9 months	55,792.00	On going

Ref. No	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	Status during 1984
RG/84/AG/6	Dr. M.N.M. Ibrahim Ms. Sujatha Panditharatne Dept of Animal Science Univ. of Peradeniya	To investigate the ensiling characteristics, digestibility and palatability of guinea 'A' (<i>Panicum maximum</i>) grass in the mid country wet zone of Sri Lanka.	1984	1 year	39,275.00	On going
RG/84/AG/7	Dr.P. Shivanathan Central Agricultural Research Institute Cannoruwa Peradeniya.	A checklist of pest and diseases of Sri Lanka.	1984	1 year	41,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	Status during 1984
CIDA/83/1	Dr. S.L. Amarasiri Mr. K. Wickramasinghe Mr. M.A. Lathiff C.A.R.I. Gannoruwa	Determination of the potassium status of Sri Lankan rice soils and evaluation of the effect of potassium fertilizer on the growth of rice.	1983	3 years	750,000.00	On going
CIDA/83/2	Dr. S.L. Amarasiri Mrs. I.S. Padmasiri C.A.R.I. Gannoruwa	Evaluation of the potassium requirements of banana in the mid-country wet zone of Sri Lanka	1983	3 years	112,500.00	On going
CIDA/83/3	Dr. G. Keerthisinghe Mr. K.A. Nandasena Prof. N.W. Thenabadu Dept of Agric. chemistry Fac. of Agriculture Univ. of Peradeniya.	Effect of potassium buffer capacity & the mobility of nonexchangeable potassium on the availability of potassium in some of the important rice soils of Sri Lanka	1983	2 years	268,750.00	On going
CIDA/83/4	Mr. M. Jeganathan Miss Malathi Nirmala Dias C.R.I. Lunuwila	Studies on K - Mg interaction in coconut	1983	3 years	430,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	Status during 1984
CIDA/83/5	Dr. S.P.R. Weerasinghe Mr. H. Wijewardene Mr. J.M.P. Jayasundara Regional Agricultural Research Centre Bandarawela	Fertilizer studies on selected vegetable crops in the upcountry with emphasis on residual activity of soil P & K	1983	3 years	552,900.00	On going
CIDA/83/6	Dr. K.N. Wickremasinghe Dr. S. Krishnaapillai Dr. D.K. Weerasinghe Tea Research Institute Talawakale	To evaluate the efficiency of utilization of potash fertilizers for tea in Sri Lanka with special reference to soil fertility and crop production	1983	2 years	1,015,000.00	On going
CIDA/83/7	Mr. M. Watson Mr. G. Wadasinghe Tea Research Institute Low Country Station Ratnapura	Role of Potassium in relation to drought hardness in young tea	1983	3 years	597,015.00	On going
CIDA/83/8	Dr. M.K.S.A. Samaraweera Rubber Research Institute Agalawatta	Study of the Potassium & Magnesium deficiencies in young rubber	1983	3 years	317,500.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	Status during 1984
CIDA/83/9	Dr. N. Yogaratnam Rubber Research Institute Agalawatte	Potassium nutrition on <u>Hevea brasiliensis</u> and associated covers: (1) Soil and leaf as a guide to potassium nutrition of <u>Hevea brasiliensis</u> (2) Effects of different levels of K on Mg uptake by immature rubber (3) Potassium nutrition of <u>Hevea</u> in relation to stimulation. (4) The influence of K on N status of leguminous covers and its effect on N status and growth of <u>Hevea</u> during the immature phase	1983	3 years	588,750.00	On going
CIDA/83/10	Mrs. L.V.K. Liyanaage Coconut Research Inst. Lunuwila	To study the effects of nitrogen, phosphorus and potassium and magnesium fertilizers on the early growth and nutrient uptake of a cover crops (<u>Pueraria phaseolodes</u>) grown under coconut	1983	3 years	48,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs.cts	status during 1984
CIDA/83/11	Dr. K.P. Premaratne Prof. H.P.M. Gunasena Dr. U.R. Sangakkara Fac. of Agric. University of Peradeniya	Fertilizer Potassium	1983	3 years	240,800.00	On going
CIDA/83/12	Prof. M.A. Pemadasa Dept. of Agronomy Fac. of Agriculture Ruhuna Univ. College Matara	Studies on the fertility status of soils with special emphasis on potassium and the use of muriate of potash in Matara District.	1983	3 years	460,060.00	On going
CIDA/83/13	Mr. P.J. Wickremasinghe Mr. R. Sritharan Mr. H.A.S. Perera Dept of Minor Export Crops Matale	Investigation on Cardamom under CIDA fertilizer project.	1983	3 years	624,000.00	On going
CIDA/83/14	Dr. S. Kathiragamathiyah Dept of Minor Export Crops National Housing Secretariat Kandy	Demonstration of the effect of fertilizers on Minor Export Crops in cultivators fields	1983	3 years	400,000.00	On going

THE STATUS OF CHEMICAL SCIENCES RESEARCH GRANTS DURING - 1984

Year of Award	Proposed Duration	No. of grants in operation during 1984	Status of Grants during 1984			
			Completed	Terminated	Withdrawn	On-going
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	
	3 years	2	-	-	-	2
1981	1 year	-	-	-	-	-
	2 years	1	1	-	-	-
	3 years	4	1	-	-	3
1982	1 year	1	-	-	-	1
	2 years	2	1	-	-	1
	3 years	5	1	-	-	4
1983	1 year	-	-	-	-	-
	2 years	5	-	-	1	4
	3 years	7	-	-	1	6
1984	1 year	2	-	-	-	2
	2 years	1	-	-	-	1
	3 years	7	-	-	-	7

CHEMICAL SCIENCES

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Ref. No.	Name and Institution	Project Title	Year of Award	Proposed Duration	Initial Financial Allocation Rs. Cts	Status during 1984
RG/79/12	Dr. J.N.O. Fernando Dept. of Chemistry Univ. of Colombo	"Determination of absorption characteristics of molecular zeolite catalysts"	1979	3 years	123700.00	On-going
RG/79/14	Dr. L.M.V. Tillekeratne Dr. A.A.L. Gunatilake Dept. of Chemistry Univ. of Colombo Univ. of Peradeniya	"Chemical investigation of marine fauna of Sri Lanka and testing of their constituents for antimicrobial and pharmacological activity"	1979	3 years	73200.00	On-going
RGB/81/17	Dr. N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical investigation of the Sri Lanka celastraceae"	1981	3 years	145570.00	Completed
RGB/81/18	Dr. V. Kumar Dept. of Chemistry Univ. of Peradeniya	"Studies on Citrus and other rutaceous plants"	1981	3 years	102740.00	On-going
RGB/81/20	Dr. C.B. Dissanayake Dept. of Geology Univ. of Peradeniya	"The environmental Geochemistry of well-water in and around Kandy"	1981	3 years	50240.00	On-going
RGB/81/22	Dr. A.M. Abeysekara Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"Chemical studies and standardisation of Ayrvedic drugs"	1981	2 years	72160.00	Completed

Ref. No.	Name and Institution	Project Title	Year of Award	Proposed Duration	Initial Financial Allocation Rs. cts	Status during 1984
RGB/81/23	Dr. E.H. Karunanayake Dept. of Biochemistry Faculty of Medicine Univ. of Colombo	"Study of the metabolism and mode of action of the orally hypoglycaemic principles(s) of <u>Scalasia reticulosa I</u> "	1981	3 years	23160.00	On-going
RG/82/17	Dr. E.R. Jansz CISIR Colombo 7	"Processing of spicies"	1982	3 years	40740.00	On-going
RG/82/18	Prof. M. Mahendran Dept. of Chemistry Univ. of Colombo	"Chemical investigation of Sri Lankan alcyonaceans"	1982	3 years	102240.00	On-going
RG/82/19	Prof. R.S. Ramakrishna Dr. A.I. Kulatilaka Dept. of Chemistry Univ. of Colombo Univ. of Peradeniya	"Heavy metal ions in streams sediments as a monitor for environmental pollution and mineralization"	1982	2 years	47160.00	On-going
RG/82/20	Prof. K. Balasubramaniam Dept. of Biochemistry Univ. of Colombo	"Isolation immobilization and characterization of sucrose phosphorylase from Acetobacter Xylinum and Pseudomonas Saccharophila"	1982	3 years	58740.00	On-going
RG/82/21	Prof. R.S. Ramakrishna Dept. of Chemistry Univ. of Colombo	"Biogeochemical studies in mineral prospecting"	1982	2 years	35160.00	Completed
RG/82/22	Dr.(Mrs) N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical studies on the seaweeds of Sri Lanka"	1982	1 year	11580.00	On-going

Ref. No.	Name and Institution	Project Title	Year of Award	Proposed Duration	Initial Financial Allocation Rs. Cts	Status during 1984
RG/82/23	Dr. B.M.R. Bandara Dept. of Chemistry Univ. of Peradeniya	"Chemical investigation of the marine flora of Sri Lanka with view to isolation of biologically industrially useful compounds"	1982	3 years	132740.00	On-going
RG/82/25	Prof. K. Balasubramaniam Dept. of Biochemistry Univ. of Colombo	"Purification characterization and study of the reactivity of aminoacid residues of α galactosidase of coconut endosperm"	1982	3 years	54740.00	On-going
RG/83/20	Dr.(Mrs)L.S.R. Arambewela CISIR Colombo 7	"Phytochemical studies on some selected medicinal plants of Sri Lanka with a view to enhance their economic value"	1983	3 years	62960.00	On-going
RG/83/21	Prof. M. Selvaratnam Dept. of Chemistry Univ. of Peradeniya	"Physical properties of natural rubber latex and rubber solutions"	1983	2 years	20000.00	Withdrawn
RG/83/22	Prof. S. Mageswaran Dr. K. Jayaseelan Dept. of Chemistry Univ. of Jaffna	"Chemistry and Biochemistry of palmyrah products"	1983	3 years	75210.00	On-going
RG/83/23	Dr.(Mrs) R. Mageswaran Dept. of Chemistry Univ. of Jaffna	"Chemical Investigation of seaweeds"	1983	3 years	67710.00	On-going

Ref. No.	Name and Institution	Project Title	Year of Award	Proposed Duration	Initial Financial Allocation Rs. Cts	Status during 1984
RG/83/24	Dr. E.D. de Silva Dr. L.M.V. Tillekeratne Dept. of Chemistry Univ. of Colombo	"Structural elucidation and biological activity of marine natural products"	1983	3 years	127700.00	On-going
RG/83/25	Dr.(Mrs) R.M.S. Atukorala Dept. of Biochemistry Univ. of Colombo	"Evaluation of vitamin A, β carotene, zinc and copper contents of some rural and urban diets"	1983	2 years	45000.00	On-going
RG/83/26	Dr. J.S.H.Q. Percera Dept. of Chemistry Univ. of Peradeniya	"Chemical transformation of natural rubber"	1983	3 years	50690.00	On-going
RG/83/27	Dr. U. Samarajeewa Dept. of Agric. Chemistry Univ. of Peradeniya	"Detoxification of Aflatoxins in coconut oil"	1983	2 years	51140.00	On-going
RG/83/28	Prof. W.P.D. Pereira Dept. of Chemistry Univ. of Colombo	"Studies on the effect of sunlight on some insecticides used in Sri Lanka"	1983	2 years	74640.00	On-going
RG/83/72	Prof. S. Sotheeswaran Dept. of Chemistry Univ. of Peradeniya	"Economically useful plants of Sri Lanka"	1983	3 years	44960.00	Withdrawn

Ref. No.	Name and Institution	Project Title	Year of Award	Proposed Duration	Initial Financial Allocation Rs. Cts	Status during 1984
RG/83/73	Prof. Tuley de Silva Dept. of Chemistry Univ. of Sri Jaye- wardenepura Nugegoda	"An addendum to Ayurveda and Pharmacopoeia"	1983	2 years	40240.00	On-going
RG/83/74	Prof. M. Mahendran Dr. W.D. Ratnasooriya Dept. of Chemistry Univ. of Colombo	"Studies on the effects of extracts of Sri Lanka soft corals, sponges and marine-algae on fertility in animals"	1983	3 years	131460.00	On-going
RG/84/C/1	Dr. A.M. Abeysekara Dept. of Chemistry Univ. of Sri Jayewar- nepura, Nugegoda	"Chemical studies and standar- disation of Ayurvedic drugs"	1984	1 year	28320.00	On-going
RG/84/C/2	Prof. Tuley de Silva Dept. of Chemistry Univ. of Sri Jayewar- nepura, Nugegoda	"The Chemistry Pharmacognosy of the substitutes drugs adul- terents and Ayurvedic medicinal plants"	1984	2 years	33240.00	On-going
RG/84/C/3	Mr. D.T. Jayamanne Division of Occupa- tional Hygiene Dept. of Labour Colombo 5	"Investigation of health hazards due to chromium in exposed workers of leather tanning and electroplating industries and the role of chromium in the effluents"	1984	3 years	57460.00	On-going
RG/84/C/4	Prof. N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical investigation of the mucilaginous constituent in some plants used in traditional medicine"	1984	1 year	18820.00	On-going

Ref. No.	Name and Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation Rs. Cts	Status During 1984
RG/84/C/5	Prof. S. Sotheeswaran Dept. of Chemistry Univ. of Peradeniya Peradeniya	"Economically useful plants of Sri Lanka"	1984	3 years	39960.00	On-going
RG/84/C/6	Prof. G.P. Wannigama Prof. S. Sotheeswaran Dr. B.M.R. Bandara Dept. of Chemistry Univ. of Peradeniya	"Alkaloids, Conmarins, triterpenses and other biologically active principles of some plant families of Sri Lanka"	1984	3 years	167460.00	On-going
RG/84/C/7	Dr. L.B. de Silva Mr. W.H.M.W. Herath Medical Research Inst., Colombo 8	"Research on indigenous medicinal plants"	1984	3 years	57000.00	On-going
RG/84/C/8	Dr.(Mrs) V.D.P. Sirimanne Dept. of Chemistry Univ. of Sri Jayewardene- pura, Nugegoda	"Studies on plant gums found in Sri Lanka"	1984	3 years	46240.00	On-going
RG/84/C/9	Dr.(Mrs)T.M.S. Atukorala Dept. of BioChemistry Faculty of Medicine Colombo 8	"A study of total and glucose tolerance factor chromium content of foods"	1984	3 years	68960.00	On-going
RG/84/C/10	Dr. K.K.M.W. Silva Prof. C.B.Dissanayeka Dept. of Geology Univ. of Peradeniya Peradeniya	"Study of Geology and Rock, soil and water Geochemistry of the Walawe ganga basin"	1984	3 years	126780.00	On-going

CHEMICAL SCIENCES

FINAL REPORTS RECEIVED DURING 1983 & 1984

Grant No.	Grantee & Institution	Project Title	Date of Award & Duration	Date of Completion	Total Allocation	Total Expenditure	Remarks
1. RG/78/12	Dr S.G. Canagaratna Dept. of Chemistry Univ. of Peradeniya	Electrochemical Studies on some Constituents of Sri Lankan Essential oils	1978-01-01 (3 years)	31/10/83	201900.00	212161.42	2 M.Phil thesis
2. RG/76/13	Dr. H.D. Gunawardena Dept. of Chemistry Univ. of Colombo	Studies on the Separation of metal ions present in minerals of Sri Lanka	1978-01-01 (2 years)	22/2/83	53270.00	52458.00	-
3. RG/76/14	Dr(Mrs)L.S.R. Arambewela Dr R.O.B.Wijesekara CISIR	Chemical & Pharmacological investigation of medicinal plants of Sri Lanka	1976-01-01 (3 years)	31/1/83	49800.00	30800.00	-
4. RG/77/23	Dr S. Hettiarachchi Dept. of Chemistry Univ. of Colombo	Corrosion & repassivation of some mechanically damaged metal surfaces	1977-01-01 (3 years)	7/2/83	48859.00	47164.00	Phd thesis
5. RG/77/26	Dr W.Mallawarachchi Dr H.W. Dias Dept. of Chemistry Univ. of Peradeniya	Chemical Processing of Monozite sand & the isolation of the more important rare earth oxides present	1977/01/01 (2 years)	9/2/83	38600.00	36136.00	-
6. RGB/80/10	Dr.H.D. Gunawardena Univ. of Colombo	Studies on method of improving plastering properties of Dolomite & the methods of extraction of magnesium from Dolomite	1980-01-01 (1 year)	21/3/83	15720.00	13897.50	-

Grant No.	Grantee & Institution	Project Title	Date of Award & Duration	Date of Completion	Total Allocation	Total Expenditure	Remarks
7. RG/80/12	Prof. K.T.D. de Silva Dr A. Bamunuarachchi Univ. of Sri Jayewardenepura	Studies on the flavour and colour yielding components of plant origin	1980-01-01 (2 years)	10/1/83	58735.00	58698.00	1 SLAAS paper
8. RG/79/43	Dr A.A.L. Gunatilleka Dept. of Chemistry Univ. of Peradeniya	Chemical investigation of medicinal and related plants of Sri Lanka	1979-01-01 (3 years)	6/4/83	82230.00	51600.00	M.Phil thesis 4 publications 4 SLAAS papers
9. RGB/81/17	Dr (Mrs) N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	Chemical investigation of Sri Lankan Celastraceae	1981-01-01 (3 years)	5/10/84	145570.00	144460.00	M.Phil thesis 1 Publication
10. RGB/81/15	Dr H.M.W. Bandara Dr O.A. Illeperuma Dept. of Chemistry Univ. of Peradeniya	Co-ordination Chemistry of biologically important metal ions with naturally occurring ligands	1981-01-01 (2 years)	5/9/83	48060.00	32400.00	M.Phil thesis
11. RGB/81/19	Prof. S. Sotheeswaran Univ. of Peradeniya	Economically useful plants of Sri Lanka	1981-01-01 (2 years)	17/10/83	49640.00	34451.50	M.Phil thesis 4 Publications
12. RGB/81/22	Dr A.M. Abeysekara Dept. of Chemistry Univ. of Sri Jayewardenepura	Chemical Studies and Standardisation of Ayurvedic drugs	1981-01-01	25/6/84	72160.00	34260.00	-
13. RGB/82/18	Prof. M. Mahendran Dept. of Chemistry Univ. of Colombo	Chemical Investigation of Sri Lankan alcyonaceans	1982-01-01 (3 years)	20/9/84	102240.00	54600.00	5 Publications

THE STATUS OF MEDICAL & VETERINARY SCIENCES

RESEARCH GRANTS DURING 1984

Year of award	Propoased duration	No. of grants in operation during 1984	Status of grants during 1984			
			Completed	Terminated	Withdrawn	On going
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	
	3 years	1	1	-	-	
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	
	3 years	1	1	-	-	
1981	1 year	1	1	-	-	-
	2 years	2	-	-	-	2
	3 years	1	1	-	-	
1982	1 year	3	2	-	-	1
	2 years	3	2	-	-	1
	3 years	1	-	-	-	1
1983	1 year	6	1	-	-	5
	2 years	6	-	1	-	5
	3 years	4	-	-	-	4
1984	1 year	5	-	-	1	4
	2 years	4	-	-	1	3
	3 years	1	-	-	-	1

Medical & Veterinary Sciences

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RG/79/26	Dr(Mrs) M.C. Attapattu Medical Research Institute Colombo 8.	Bronchio pulmonary Aspergillosis- Its significance in the aetiology of chronic lung disease in Sri Lanka.	1979	3 years	70700.00	Completed
RGB/80/22	Prof. S.T. Fernando Department of Vet. Sciences University of Peradeniya Peradeniya.	Studies on the helminth parasites of buffaloes with particular reference to the life cycle and <u>immunology</u> of <u>Neoscaris vitulorum</u> infection in buffaloes and cattle.	1980	3 years	37360.00	Completed
RGB/81/33	Mrs N. Jayasekera Medical Research Institute Colombo 8.	Taxonomy and ecology of mosquitoes in relation to the ecology of Japanese encephalitis in Sri Lanka together with related epidemiological, and virological studies.	1981	1 year	46820.00	Completed
RGB/81/34	Prof. P.A.J. Perera Department of Biochemistry University of Peradeniya Peradeniya.	The toxicology of Palmyrah flour : 1. Mutagenic and carcinogenic potential 2. effect on hepatic lysosomes 3. immune defects in rats after short term feeding of flour.	1981	2 years	48420.00	On-going
RGB/81/36	Mr R. Sivakanesan Department of Biochemistry University of Peradeniya Peradeniya.	Metabolic diseases in farm animals of economic importance.	1981	3 years	61190.00	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RGB/81/38	Dr S. Mahalingam Dept. of Vet. Para-clinical Studies University of Peradeniya Peradeniya.	Investigations into the viral aetiology of respiroenteric infections in agricultural animals cattle and goats (continuation of NSCA/1/17/1 with other viral antigens other than para influenza 3)	1981	2 years	95400.00	On-going
RGB/82/27	Dr(Mrs) N.V.I. Ratnatunga Department of Pathology University of Peradeniya Peradeniya.	Histopathology of chronic obliterative arterial disease of limbs in the central province.	1982	3 years	18000.00	On-going
RGB/82/28	Dr P.C.A. Ratnatunga Faculty of Medicine University of Peradeniya Peradeniya.	A study into the feasibility of reconstructive arterial surgery in Sri Lankan patients.	1982	1 year	15859.00	On-going
RGB/82/30	Mrs C.P. Kodikara Fac. of Vet.Medicine and Animal Sciences University of Peradeniya.	Bacteriological study of drinking water with special reference to indicator of faecal pollution and pathogens.	1982	2 years	15300.00	Completed
RGB/82/31	Dr M.C.L. de Alwis Veterinary Research Inst. Gannoruwa.	Studies on the significance of the carrier animal in the epizootiology of haemorrhagic septicaemia.	1982	2 years	21000.00	On-going
RGB/82/32	Dr D.J. Weiligama Veterinary Research Inst. Gannoruwa.	Studies on theileriasis in cattle.	1982	2 years	6600.00	Completed
RGB/82/33	Dr D.D. Wanasinghe Veterinary Research Inst. Gannoruwa.	Survey of incidence of mastitis among cattle in small holder units and evaluation of the efficacy of a modified mastitis control programme.	1982	1 year	19000.00	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RGB/82/63	Dr A.R. Jayasuriya Planning Unit Ministry of Health Secretariat Colombo 1.	Study of investment in health care delivery and its impact on health status in selected districts in Sri Lanka.	1982	1 year	9334.60	Completed
RG/83/29	Dr. E.H. Karunanayake Dept. of Biochemistry Faculty of Medicine Colombo 8.	Biochemical, Pharmacological and Phytochemical study of Antidiabetic Medicinal plants of Sri Lanka.	1983	3 years	55500.00	Ongoing
RG/83/30	Dr. A.T.W.P. Jayawardene 14, Albert Place <u>Dehiwela.</u> Dr. C.G. Uragoda 385, Deans Road Colombo 10.	Measurements of Lung Function in Normal Sri Lankans.	1983	2 years	26000.00	Ongoing
RG/83/31	Dr. D.A. Sonnadara 148, Kynsey Road <u>Colombo 8.</u> Dr. E.H. Karunanayake Dept. of Biochemistry General Hospital Colombo.	Trial of a protocol for the more effective management of asthma & status asthmaticus in childhood & study of pharmacokinetics of theophyllis in Sri Lankan children.	1983	2 years	116800.00	Ongoing
RG/83/32	Dr. S.D. Athukorala Dept. of Bacteriology General Hospital Colombo.	Estimation of gentamicin levels in serum of patients receiving gentamicin for life threatening infections.	1983	2 years	60000.00	Ongoing
RG/83/34	Prof. V. Basnayake Fac. of Medicine Univ. of Peradeniya Peradeniya.	Measurement of skin colour in Lankans.	1983	1 year	20000.00	Ongoing

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Re. cts	Status during 1984
RG/83/35	Dr(Mrs)M.C.P. Canagaratne Department of Biochemistry Faculty of Medicine Kynsey Road Colombo 8.	Urinary hydroxy proline excretion in patients with metastatic bone disease from breast cancer.	1983	3 years	70500.00	On-going
RG/83/37	Dr J.S.M. Peiris Department of Microbiology Faculty of Medicine University of Peradeniya Peradeniya.	The role of viruses as aetiological agents in infantile diarrhoeal disease.	1983	1 year	50280.00	On-going
RG/83/38	Dr(Mrs)P. Goonewardene Department of Biochemistry Faculty of Medicine Kynsey Road Colombo 8.	Extraction and purification of growth hormone from human pituitaries.	1983	2 years	77640.00	Terminated
RG/83/39	Dr M.N. Sivachelvan Fac. of Vet. Medicine University of Peradeniya Peradeniya.	Histological, histochemical and carcass quality aspects of Toxocara (Neoscaris) vitulorum infection in rabbits and buffaloes.	1983	3 years	86200.00	On-going
RG/83/40	Dr A.R. Mohamed Dr G.S. Peiris Veterinary Research Inst. Gannoruwa.	A study of the infectious abortions in cattle, buffaloes and goats.	1983	2 years	35500.00	On-going
RG/83/42	Dr D.D. Wanasinghe Veterinary Research Inst. Gannoruwa	Evaluation of Black Quarter Disease vaccine with a view to produce an improved vaccine.	1983	1 year	20500.00	On-going
RG/83/44	Dr W.D. Ratnasooriya Department of Zoology University of Colombo Colombo.	Effects of cholinomimetics and sympathomimetics drugs on the contractility of vas deferens and on fertility of animals.	1983	2 years	35500.00	On-going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RG/83/75	Prof. N. Sreeharan Dr K.Ranjadayalan Department of Medicine University of Peradeniya Peradeniya.	The use of Momordica charantia (Bitter gourd) in Diabetes mellitus.	1983	1 year	10000.00	On-going
RG/83/77	Dr G.A.P. Ganegoda Dr S.P. Cunaratne Veterinary Research Inst. Gannoruwa.	Evaluation of undefluorinated Eppawala rock phosphate as a phosphorus supplement in diets for poultry and pigs.	1983	1 year	20050.00	On-going
RG/83/78	Dr N. Tilakaratne Veterinary Research Inst. Gannoruwa.	Study of reproduction growth and carcass characteristics of the indigenous pig.	1983	1 year	17700.00	Completed
RG/83/79	Prof. S.T. Fernando Department of Veterinary Para-Clinical Studies University of Peradeniya Peradeniya.	Collaborative programme in research and training in the faculty of Veterinary Medicine and Animal Sciences. 1) Clinical Hormonal studies on the reproductive functions of indigenous buffaloes in Sri Lanka. 2) Cellular and humoral immune reactions of buffaloes to <u>Toxocara vitulorum</u> 3) Buffalo calf mortality due to bacteria and viruses.	1983	3 years	119880.00	On-going
RG/84/M/1	Dr N. Sivarajah Prof. C. Sivagnanasundram Department of Community Medicine University of Jaffna Jaffna.	A study of the health of the elderly, and its relationship to their socio-economic status and availability and utilization of health services.	1984	1½ years	36000.00	Withdrawn

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RG/84/M/2	Dr L.N.D. Abeygunawardene Health Education Bureau 2 Kynsey Road Colombo 8.	A study of some factors influencing the high defaulter rate among Leprosy patients in the health unit areas of Kalutara, Panadura and Moratuwa.	1984	1 year	22400.00	On-going
RG/84/M/3	Dr T.A. Kulatilaka Dr A.V.K.V. de Silva Epidemiology Unit 385 Deans Road Colombo 10.	Socio-Medical aspect of traumatic injuries (Patients) treated at accident services General Hospital Colombo.	1984	1 year	18300.00	On-going
RG/84/M/4	Dr Kamini Mendis Mr W. Abeywickrema Department of Parasitology Faculty of Medicine Kynsey Road Colombo 8.	Biology, Bionomics and population genetics in relation to 'possible' <u>Anopheles culicifacies</u> species complex in Sri Lanka	1984	2 years	36000.00	On-going
RG/84/M/5	Dr(Mrs)C.H. Gauthamadasa Anti Filariasis Campaign 28 Hotel Road Mount Lavinia	Present status of <u>Brugia Malayi</u> infection in Sri Lanka	1984	1 year	14000.00	On-going
RG/84/M/6	Mr. J.D.A. Abeysekera Division of Occupational Hygiene 97, Jawatte Road Colombo 5	Assessment of physical fitness and working capacity of manual workers with a view to improving their working conditions, health and well being and to increase productivity	1984	1 year	55975.00	Withdrawn

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. Cts	Status during 1984
RG/84/M/7	Dr(Mrs)L.I.M. Dharmawardene MOH Office Kiribathgoda, Kelaniya Prof. G.P. Samarawickrema Dept. of Community Medicine Univ. of Ruhuna	An investigation into the incidence and prevalence of Pesticide poisoning in Matara and Hambantota Districts	1984	1 year	46500.00	Ongoing
RG/84/V/1	Dr. V.Y. Kuruwita Dr. B.M.A.O. Perera Dr. V.K. Gunawardene Dept. of Vet. Pre-Clinical Studies Univ. of Peradeniya	Endocrinological and histological studies on pubertal developments in goats and post. partum ovarian activity in female goats	1984	3 years	111960.00	Ongoing
RG/84/V/2	Dr. R. Wickremasinghe Veterinary Research Inst. Gannoruwa Peradeniya	A survey of mortality in poultry in Sri Lanka	1984	2 years	41000.00	Ongoing
RG/84/V/3	Prof. E.A. Wijewanta Dr. C.P. Kodikara Mrs. H.M.S.S. Dep Faculty of Vet. Medicine & Animal Sciences Univ. of Peradeniya	Studies on bacterial aetiology of clinical and subclinical mastitis in goats	1984	2 years	55000.00	Ongoing

The Status of Biological Science research Grants during 1984

Year of award	Proposed duration	No. of grants in operation during 1984	status of grants during 1984			
			Completed	Terminated	Withdrawn	Ongoing
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	
	3 years	1	1	-	-	
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	
	3 years	2	2	-	-	
1981	1 year	-	-	-	-	-
	2 years	1	1	-	-	
	3 years	2	-	-	2	
1982	1 year	1	1	-	-	-
	2 years	2	2	-	-	
	3 years	5	-	-	5	
1983	1 year	1	-	-	-	1
	2 years	6	-	1	-	5
	3 years	8	-	-	-	8
1984	1 year	2	-	-	-	2
	2 years	3	-	-	-	3
	3 years	6	-	-	1	5

Biological Sciences

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984
RG/79/7	Dr. J. Jinadasa Department of Biological Sciences, Univ. of Sri Jayewardenepura, Nugegoda.	An attempt to farm penaeid prawns and ecological investigations incidental thereto'.	1979	3 years	73565.00	Completed
RGB/80/5	Prof.W.E. Ratnayake Dept. of Biological Sci. Univ. of Sri Jayewardenepura Nugegoda.	Isolation & study of visible genetic mutants of <u>Drosophila ananassae</u> the local species of drosophilid.	1980	3 years	39510.00	Completed
RGB/80/7	Dr(Miss)J.P.Witanachchi Dept. of Biological Sci. Univ. of Sri Jayewardenepura Nugegoda.	An investigation to evaluate the efficiency of <u>Evania appendigaster L</u> (Hymenoptera evanidae) for the control of <u>Periplanata americana=L</u> in Sri Lanka.	1980	3 years	39510.00	Completed
RGB/81/10	Mrs.N.Selvarajah Dept. of Zoology Univ. of Jaffna Jaffna.	"A Limnological study of two ponds in the Jaffna peninsula with special reference to mesofaunal ecology.	1981	3 years	18000.00	On going
RGB/81/11	Dr.k. Chitravadivelu Dept. of Zoology Univ. of Jaffna Jaffna.	Biology and distribution of mullet (mugil species)bream (Lethirinus species)and rabbit fish (eiganus species)in the <u>Jaffna lagoon and adjoining areas.</u>	1981	3 years	72000.00	On going
RGB/81/13	Prof.K.Theivendirarajah Dept. of Botany Univ. of Jaffna Jaffna.	Breeding studies on yard long bean (<u>Vigna sesquipedalis</u>) & gingelly (<u>sesamum Indicum</u>)	1981	2 years	30520.00	Completed

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984.
RGB/82/6	Dr.K.D. Arudpragasam Dept. of Zoology Univ. of Colombo Colombo.	Taxonomy & distribution of soft corals in Sri Lanka.	1982	2 years	55160.00	Completed
RGB/82/7	Dr.A. Sivapalan Dept. of Botany Univ. of	Biology & Control of downy mildew of grapes (<u>Plasmopora viticola</u>).	1982	2 years	34160.00	Completed
RGB/82/11	Mr.W.L.E. Alwis Director Dept. of Wild Life Conservation, Dehiwela.	Aspects of the ecology of Udawalawe National park.	1982	3 years	60108.00	On going
RGB/82/12	Dr.H.G. Nandadasa Dept. of Biological Sciences Univ. of Sri Jayewardenepura Nugegoda.	Microbial production of ethanol from cellulose.	1982	3 years	61840.00	On going
RGB/82/13	Dr.J. Jinadasa Dept. of Biological Sciences Univ. of Sri Jayewardenepura Nugegoda.	Productivity of the Bolgoda lagoon.	1982	3 years	45690.00	On going
RGB/82/15	Prof.S.S. de Silva Dept. of Zoology Ruhuna University College Matara.	Study of some southern reservoirs in relation to their fishery potential.	1982	3 years	29600.00	On going
RGB/82/62	Prof.W.E. Ratnayake Dept. of Biological Sciences Univ. of Sri Jayewardenepura Nugegoda.	To study the genetic properties of <u>Culex pipiens fatigans</u> Wiedmann (<u>C. quinquefasciatus</u> , say) males for possible use in its control'.	1982	3 years	128970.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984.
RG/Misc/ 82/1	Prof.K..Theivendirarajah Dr.A. Sivapalan Dept. of Botany Univ. of Jaffna Jaffna.	Laboratory and field cultivation of some marine red algae'.	1982	1 year	30000.00	Completed
RG/83/6	Prof.M.A. Pemadasa Mr.P.S.M. Sirišena Dept. of Botany Univ. of Ruhuna Matara.	Taxonomy & Ecology of Kekana-dura rain forest reserve.	1983	2 years	67000.00	On going
RG/83/7	Dr.S.N. Dissanayake Dept. of Biological Sci. Univ. of Sri Jayewardenepura Nugegoda.	Juvenile growth of some forest species.	1983	3 years	59016.00	On going
RG/83/8	Dr.K. Jayaseelan Dept. of Biochemistry Univ. of Jaffna Jaffna.	Single cell proteins.	1983	2 years	26200.00	On going
RG/83/9	Mr.R.V. Sundaresan Dept. of Botany Univ. of Jaffna Jaffna.	Analysis of electrophoretic patterns of isoenzymes of <u>Orysa sativa</u> & <u>Sesamum indicum</u> & their correlation to varietal differences & differences in yields.	1983	2 years	30200.00	Terminated
RG/83/11	Dr.N.K.B. Adikaram Dept. of Botany Univ. of Peradeniya Peradeniya.	Latent infection of fruits and vegetables, its physiological basis and possible control measures.	1983	3 years	58200.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984,
RG/83/12	Prof.U. Coomarasamy Dept. of Botany Batticaloa Univ. College Vantharamoelai Chenkaladi.	Microbiological studies on the forest soils of the dry zone (Batticaloa district) of Sri Lanka.	1983	3 years	113460.00	On going
RG/83/13	Prof.M.D. Dasanayake Dr.I.A.U.N.Gunatilleke Dept. of Botany Univ. of Peradeniya Peradeniya.	Vegetation studies of some mechanically logged areas in Sinharaja.	1983	3 years	161160.00	On going
RG/83/14	Dr.S.W. Kotagama Dept. of Zoology Univ. of Colombo Colombo.	Status, Ecology & Biology of the Avian fauna in the Sinharaja MAB reserve.	1983	3 years	82255.00	On going
RG/83/15	Dr.J.P.Witanachchi Dept. of Biological Sci. Univ. of Sri Jayewardenepura, Nugegoda.	Biology & the integrated control of the brinjal pod-borer <u>Leucinodes orbanalis</u> (Lepidoptera pyralidae).	1983	3 years	62610.00	On going
RG/83/16	Prof.V.K. Ganesalingam Dept. of Zoology Univ. of Jaffna Jaffna.	Suppression of ovarian development in insects of stored products, fed with seeds of local plants.	1983	2 years	52440.00	On going
RG/83/19	Prof.K.Theivendiraraja Dept. of Botany Univ. of Jaffna Thirunelveli.	Studies on the fermentation of <u>Borrassus flabellifer</u> (Palmyrah) sap.	1983	2 years	47340.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984.
RG/83/69	Dr.S.Widanapathirana Dept. of Botany Univ. of Kelaniya Kelaniya.	Microbio-geochemical activities in forest soils in Sri Lanka with special reference to mineral cycling and Nitrogen transformation.	1983	2 years	115000.00	On going
RG/83/70	Dr.P.Shivanathan Mr.R.S.Y. de Silva Plant Quarantine Office C.A.R.I.	To develop methods of detection and exclusion of papaw viruses and vectors in plant imports.	1983	3 years	114000.00	On going
RG/83/71	Dr.S.A. Cunasekera Dept. of Botany Univ. of Kelaniya	Survey of fungi associated with water hyacinth in Sri Lanka with the view of utilising them as biocontrol agents.	1983	3 years	65210.00	On going
RG/83/83	Dr. Neelakanthi Sunawardene Dept. of Chemistry Univ. of Kelaniya Kelaniya.	Development of a means of luring agricultural insect pests in Sri Lanka by use of pheromones.	1983	2 years	45000.00	On going
RG/84/B/1	Prof.W.E.Ratnayake Dept. of Zoology Univ. of Sri Jaywardenepura Nugegoda.	A further study of the mutants of <u>Drosophila ananassae</u> (isolated in the earlier project)	1984	3 years	60460.00	On going
RG/84/B/2	Dr.J.Jinadasa Dept. of Zoology Univ. of Sri Jaywardenepura Nugegoda.	Biology and the fishery of the pony fishes of the Bolgoda Lagoon, Sri Lanka.	1984	3 years	70560.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984.
RG/84/B/3	Prof.M.A.Pemadasa Mr.S.Hettiarachchi Department of Botany Ruhuna University College Matara.	Ecology of soil microfungi in the Kekandura rain forest reserve.	1984	3 years	94500.00	On going
RG/84/B/4	Dr(Miss)M.V.E.Attygalle Department of Zoology Univ. of Sri Jayewardenepura Nugegoda.	Study of the respiratory and circulatory physiology of catfish (<i>Clarias teysmanni brachysoma</i>) and <i>Macrobrachium</i> .	1984	1 year	23532.00	On going
RG/84/B/5	Dr(Miss)J.P.Witanachchi Dept. of Zoology Univ. of Sri Jayewardenepura Nugegoda.	Studies on the field release of the parasites <u><i>Evania appendigaster</i></u> and <u><i>Tetrastichus hagenowii</i></u> for the control of <u><i>Periplaneta americana</i></u> , the American cockroach.	1984	3 years	73870.00	On going
RG/84/B/6	Dr.F.P.Amerasinghe Department of Zoology Prof.S.A. Kulasooriya Department of Botany University of Peradeniya	Field and laboratory study of insects attacking <u><i>Azolla pinnata</i></u> .	1984	3 years	97010.00	Withdrawn
RG/84/B/7	Rev.(Dr)L.H.Cramer Dept. of Botany Batticaloa Univ. College Chenkaladi.	Taxonomic studies on the flora of the southern part of Pollonuruwa District.	1984	3 years	82023.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1984
RG/84/B/8	Dr.J.P.N.R.Chandrasena Department of Botany Univ. of Colombo Colombo.	A survey of paddy field weeds in the wet zone of Sri Lanka.	1984	1 year	11700.00	On going
RG/84/B/9	Dr.M.S.M.Sideek Mr.J.M.P. Jayasinghe NARA Mattakkuliya.	Studies on the recruitment mechanism of commercially important penaeid prawns in Negambo.	1984	2 years	32888.00	On going
RG/84/B/10	Mr.B.D.L. Joseph Mr.N.M.Moiyadeen NARA Crow Island Mattakkuliya.	The ecology of commercially exploitable Holothuroides on the Northwest coast (Puttalam to Mannar) with the purpose of conserving and rehabilitating the fisheries already existing there.	1984	2 years	50390.00	On going
RG/84/B/11	Mr.B.D.L. Joseph Mrs.C. Amarasiri National Aquatic Research Agency, Mattakkuliya.	Study of fishery biology and aspects of population dynamics of skipjack tuna off west and south west coastal waters of Sri Lanka.	1984	2 years	36200.00	On going

The Status of Physical & Engineering Research Grants during 1984

Year of award	Proposed durations	No of grants in operation during 1984	Status of grants during 1984			
			Completed	Terminated	Withdrawn	on going
1983	1 year	2	-	1	-	1
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1984	1 year	2	-	-	1	1
	2 years	1	-	-	-	1
	3 years	-	-	-	-	-

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Grant No:	Name/Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RG/83/80	Mr. M.C.L. Salgado I.D.B. 615, Calle Road Katubedda.	Heat treatment and metallurgical research on scientific usage of scrap steels as raw materials.	1983	1 year	32000.00	Terminated
RG/83/81	Dr. K.T.L. de Silva Dr. T.R. Ariyaratne Dept. of Physics Univ. of Colombo	Photoelectrochemi- cal Solar Energy Conversion.	1983	1 year	48290.00	On going
RG/84/P/1	Dr. T.R. Ariyaratne Dept. of Physics Univ. of Colombo	Molecular Desorp- tion Mass Spectro- scopy	1984	1 year	45000.00	On going

Grant No:	Name/Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1984
RC/84/E/1	Mr. M.C.L. Salgado I.D.B. 615, Calle Road Katubedda Moratuwa.	Manufacture of low cost case hardening powder.	1984	1 year	30000.00	Withdrawn
RC/84/E/2	Dr. L.N. Pussegoda Dept. of Mechanical Engineering Univ. of Peradeniya.	Effect of the mode of prior deforma- tion on the subsequent mechani- cal properties of two-phase metals (Continuation of work doen under RC/82/35)	1984	2 years	10710.00	On going

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RGB/80/32	Prof. K.W.Gunawardena Dept. of History Univ. of Peradeniya Peradeniya.	"Seventeenth and Eighteenth Century History of Sri Lanka with Special Reference to Economic and Social History"	1980	1 year	Rs.7000.00	Ongoing
RGB/80/36	Dr.(Mrs.) Y.Rasanayagam. Dept. of Geography Univ. of Colombo Colombo.	"Industrial Development & Urban Growth - A Case Study of the Colombo Region"	1980	1 year	Rs.5165.00	Completed
RGB/81/49	Mrs. S.D.S.E.Seneviratne. Dept. of Education Univ. of Colombo Colombo (Ph.D. student)	"Aspiration of children"	1981	1 year	Rs.1860.00	Completed
RGB/81/66	Mrs. P.H.A.N.S. Jayasena Asst. Lecturer Dept. of Education Univ. of Peradeniya Peradeniya.	"Policies and Progress of Primary Education in Sri Lanka since Independence to 1977"	1981	1 year	Rs.3215.00	Terminated

Ref. No.	Name & Institution	Title of project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RGB/81/68	Miss.C.Weerasinghe Dept. of Community Medicine Ruhuna Medical College Matara.	"The Socio-cultural Factors. Contributing to Malnutrition".	1981	1 year	Rs.4285.00	Completed
RGB/82/37	Mr. U.A.Chandrasena Dept. of Geography Univ. of Kelaniya Kelaniya.	"Traditional Processing- Marketing System and Modern Group Processing Centres in the Rubber Small Holding Sector- An Analysis of Spatial Pattern"	1982	1 year	Rs.2850.00	Terminated
RGB/82/40	Mr.W.W.J.W. Jayalath Bogoda Walawwa Jangulla, Hali-ela. (M.Phil. student)	"Regional Imbalance in Educational Development" (Comparative Education)	1982	1 year	Rs.2170.00	Terminated
RGB/82/42	Mr. T.B. Karunaratne 15, Aruppola Mawatha Aruppola National Housing Schemes Kandy.	"Temples in Kandy District"	1982	1 year	Rs.1500.00	Completed

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RGB/82/44	Mr. U.H. Palihakkara 14, Visakha Road Colombo 4.	"Resource Allocation in Health Administration - Mainly Financial"	1982	1 year	Rs.4000.00	Ongoing
RGB/82/45	Prof. V.K.Samaranayake Statistical Unit Faculty of Science University of Colombo Colombo.	"Investigation of Predictors of University Performance"	1982	2 years	Rs.96827.12	Ongoing
RGB/82/50	Mr. H.M.T.B. Herath 74, Eladetta Handessa. (M.Phil Student) Fac. of Education Univ. of Colombo.	"මුලික පිරිවෙණේ දැනට ඉගැන්වෙන ආගම විෂය මාලාව පිළිබඳව විමර්ශනාත්මක අධ්‍යයනයක්"	1982	2 years	Rs.2000.00	Completed
RGB/82/58	Mrs. V.S. Somasarana No. 10B/49, Govt.Housing Scheme, Kotugoda. (M.Phil. student) Fac. of Education Univ. of Colombo.	" ශ්‍රී ලංකාවේ පාසැල්වල මුද්‍ර දහම ඉගැන්වීම"	1982	1 year	Rs.1500.00	Completed

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RGB/82/59	Miss. G.Terlin 284, 'Sudsera' Anagarika Dharmapala Mawatha Nupe, Matara. (M.Phil. student)	"රනාවාස ව්‍යාපෘතිය හා පරිවහන රථව අතර ඇති සම්බන්ධතාව" මාතර දිස්ත්‍රික්කය ඇප්‍රෙරන්	1982	1 year	Rs.2000.00	Withdrawn
RGB/82/61	Mr. Y.Walpita K/Govinna M.V., Govinna.	විෂය මාලාව හා මාසික ක්‍රියාකාරකම් මගින් පාසැල් ශිෂ්‍යයන් තුළ යහපත් ගුණධර්ම සහ ආකල්ප සම්බන්ධ කරවීම	1982	1 year	Rs.1500.00	Terminated
RGB/83/45	Mrs. H.D.Abeygunawardene 23A, 26, Rukmale Housing Scheme Kottawa, Pannipitiya. (M.Phil Student) Fac. of Education Univ. of Colombo.	"Non-formal Education for Working Mothers of Low Income Groups with Pre-School Children in a Suburban Community" (Maharagama Electorate)	1983	1 year	Rs.4000.00	Ongoing
RGB/83/46	Mrs. Y.Balapatabendi 2/49, Mahalwarawa Pannipitiya. (Ph.D. student) Fac. of Education Univ. of Colombo	"An Inquiry into the Post-Secondary Non- University Education in Sri Lanka"	1983	2 years	Rs.12000.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/83/49	Mr.D.C.Jayasuriya Senior State Counsel Attorney-General's Department, Colombo.	"The Impact of Sri Lankan Legal Develop- ments on Socio-Economic Development and Quality of Life"	1983	6 months	Rs. 10900.00	Terminated
RG/83/50	Mr.A.A.Navaratne 27, Seragala Road Kegalle. M.Phil. student fac. of Education Univ. of Colombo	"Construction and Validation of an 'Ability Scale' Suitable for the Age Group 11-14 in Sri Lanka"	1983	1 year	Rs. 3500.00	Ongoing
RG/83/51	Mrs. A.K.Peeris 'Dilantha' Hokandara Road Talawatugoda. M.Phil. student fac. of Education Univ. of Colombo	"Measures That May Be Adopted Under the Special Educational Programme for the Socialisation of the Educable Mentally Handicapped Children of School going Age in Sri Lanka"	1983	1 year	Rs. 2750.00	Ongoing
RG/83/52	Mrs. Saroja Sivachandran, Senior Lecturer Sri Lanka Foundation Institute, P.O. Box 1203 Colombo 7.	"Post Nationalization Organizational Changes of the Tea Industry in Sri Lanka 1970 - 1980"	1983	1 year	Rs. 3500.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/83/53	Mrs. M.B.S. Fonseka Siyambalagoda Polgasovita. M.Phil. student fac. of Education Univ. of Colombo.	ශ්‍රී ලංකාවේ රෝමා ආර්ථික ව්‍යවස්ථාපිත ව්‍යවස්ථාපිත ක්‍රියාත්මක කරවීම පිළිබඳව කෙරෙන ඇගයීම.	1983	1 year	2200.00	Ongoing
RG/83/54	Mr. D.H. Illeperuma No. 52 Co/Ambalangoda Polgasovita. M.Phil. student Fac. of Education Univ. of Colombo.	ශ්‍රී ලංකාවේ රෝමා ආර්ථික අධ්‍යයනය ලබන සිසුන්ගේ සහකාරීකරණ සහජීව සාධනය- කැමරා අධ්‍යයන දිස්ත්‍රික්කය.	1983	1 year	2500.00	Terminated
RG/83/55	Mrs. K.A.K.P. Kodikara 139, Highlevel Rd., Godagama Homagama. M.Phil. student fac. of Education Univ. of Colombo.	ශ්‍රී ලංකාවේ තොරතුරු අධ්‍යයන අවස්ථා තුළින් ලබා දෙන කෘෂි අධ්‍යයනය රටේ වි ගොවිතැනෙහි ප්‍රගතියට උපයෝගීවේදැයි එක් කෘෂි කාර්මික ප්‍රදේශයක් ඇසුරෙන් කරන අධ්‍යයනයක්.	1983	1 year	2500.00	Ongoing
RG/83/56	Mrs. K.G.K.R. Somalatha Manike, 'Sanda Kelum' Ellagava. M.Phil. student Fac. of Education Univ. of Colombo.	ශ්‍රී ලංකාවේ අපවාරි ලවුක් සඳහා ආයතනිකව පවත්වාගෙන යනු ලබන අධ්‍යයනික හා සමාජයානුගෝගී වැඩ සටහන් පිළිබඳව කෙරෙන විවිච්ඡිකාරණාත්- මක අධ්‍යයනයක්.	1983	1 year	2950.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/83/57	Mrs. G.Indrani Perera 585, Jayanthi Mawatha Sinharamulla Kelaniya. (M.Phil. student, Fac. of Edu. Univ. of Colombo)	කතිකි ආර්ථික මට්ටමේ පිහිටීම අධ්‍යාපනික සාධකය කෙරෙහි අධ්‍යාපන පහසුකම් මලපාත අන්දම පිළිබඳ තෝරාගැනීම දියුණුකිරීමේ නීපයක පාසැල් ආශ්‍රයෙන් කෙරෙන විමර්ශනයක්	1983	1 year	Rs. 2000.00	Ongoing
RG/83/58	Mrs. C. Welgama 35, Egodahenawatta Mampe Piliyandala. (M.Phil. student, Fac. of Edu. Univ. of Colombo).	අධ්‍යාපනික සාධකය කෙරෙහි පාසැල් ක්‍රියාවේ මලපාත ප්‍රමාණය කිරීම පිණිස කෙරෙන අධ්‍යයනයක්	1983	1 year	Rs. 1600.00	Ongoing
RG/83/59	Mrs. D.R.Wijesinghe Museaus Training College, Kalutara. (M.Phil. student, Fac. of Edu. Univ. of Colombo).	ශ්‍රී ලංකාවේ පාසැල්වල කතිකි ආර්ථික මට්ටමේ කැපී විද්‍යාව වැඩි මාලාව පිළිබඳව කටහර අධ්‍යාපන දියුණුකිරීමේ ආශ්‍රිතව කරනු ලබන විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 year	Rs. 2500.00	Ongoing
RG/83/60	Mrs. W.M.K. Wijethunga 2/54, Wickramasinghepura Talagama - South Battaramulla. (M.Phil. student, Fac. of Edu. Univ. of Colombo)	ශ්‍රී ලංකාවේ පාසැල් වල පුස්තකාල යෝජාව පිළිබඳව විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 year	Rs. 1800.00	Withdrawn

Ref. No.	Name & Institution	Title of Project.Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/83/62	Mr. S. Berugoda Deputy Surveyor General Surveyor General's Office P.O. Box 506 Colombo.	"Undivided Lands in Sri Lanka and Land Productivity"	1983	2 years	Rs. 12930.00	Ongoing
RG/83/63	Mrs. L. Gunawardene Mahaweli Authority of Sri Lanka, Production, Marketing & Credit Division, 24B, Galle Road Colombo 4.	"An annotated Bibliography of the Social and Economic Differentiation in the Peasant Sector of the Mahaweli Region"	1983	1 year	Rs. 400.00	Completed
RG/83/64	Mr. J. Marasinghe Teachers' Training School, Nittambuwa.	ශ්‍රී ලංකාවේ පේද්ධර්ම ගුරු අධ්‍යාපනය පිළිබඳ පාඨමලය මුදාහරිමට ඇති තත්වය පිළිබඳ අධ්‍යයනයක්	1983	1 year	Rs. 1000.00	Withdrawn
RG/84/SS/1	Miss. Nalinie Sreema Jayasinghe, No. 10, 1st Lane Baddagana Road Pita Kotte. (M.Phil. student-Edu. Univ. of Colombo)	"Non Formal Education for Rural Women-An Assessment of Skill Training Projects undertaken by the Women's Bureau of Sri Lanka"	1984	1 year	Rs. 2500.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/2	Mrs. A.R.P. Gumawardene 70, Jambugaswulla Rd., Nugegoda. (Post-gra. student-Edu. Univ. of Colombo).	"A Critical Study of the Non-Formal Educational Activities of the Sarvodaya Movement in some Selected Villages of Sri Lanka"	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/3	Mrs. S. Senadeera 86/41, Kandy View Garden George E. de Silva Mawatha, Kandy. (Ph.D. student-Edu. Univ. of Colombo).	"Arts Education Curricu- lum in the Universities of Sri Lanka: its reorganization & innovation"	1984	2 years	Rs. 3500.00	Ongoing
RG/84/SS/4	Mr. K.M. Abeyratne 29, Primrose Garden Kandy. (M.A. student-Edu. Univ. of Peradeniya)	"Some Educational Conce- pts found in Visuddhi Magga"	1984	1 year	Rs. 1500.00	Ongoing
RG/84/SS/5	Mr. M.M. Jayawardana Programme Asst. Economics & Project Division, Dept. of Agriculture, Peradeniya. (M.A. student-Econ. Univ. of Peradeniya)	"Development Feasibiliti- es of the Villages under Minor Tanks in Sri Lanka"	1984	1 year	Rs. 3500.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/6	සීමාසීම වහිගපුර මිය, 5/ 21, පුලේමන් වෙරළ කොළඹ 5. (M.Phil. student-Edu. Univ. of Colombo).	අදාලත්වය හා අවශ්‍යතාවය අනුව මාතවි සම්පත් පලදායී කර ගැනීමේ අධ්‍යයන වැඩ පිළිවෙල ලක් ලෙස ශ්‍රී ලංකාවේ කම්කරු දෙපාර්තමේන්තුවේ විද්‍යාත්මක පුහුණු කිරීමේ වැඩ පිළිවෙල පිළිබඳ ඇගයීමක්	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/7	පුබුදු රාජිණි හෙට්ටිනේවා 'හෙවන' රජයේ සේවය, බණ්ඩාරගම. (M.Phil. student-Edu. Univ. of Colombo)	ශ්‍රී ලංකාවේ යොවුන් පවුල මගින් යොවුන්පවුල දෙකුලයක කොට්ඨාසයේ අධ්‍යාපනයේ කාර්යය හා එහි ප්‍රතිඵල පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක් (කරුණ සේවා සඳහා ඇයුරෙකි)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/8	කේ.පී.කේ. විල්ලවම් මිය, 'ජවුරුකින' අධ්‍යයන, ගම්පහ. (M.Phil. student-Edu. Univ. of Colombo)	ශ්‍රී ලංකාවේ අධ්‍යාපන සම්පත් කාර්යය හා එය වලක්වා ගැනීමේ උපක්‍රම පිළිබඳ අනුරාධපුර දේශපාලන අංශයේ කෙරෙන අධ්‍යයනයක්	1984	1 year	Rs. 3000.00	Ongoing
RG/84/SS/9	පී.එම්.පු. පතිරාජ වලවිට්ටි, කුඩාගල්ල, කුරුමිගල. (M.Phil. student-Edu. Univ. of Colombo)	ශ්‍රී ලංකාවේ ගුරු විද්‍යාත්මක පුහුණු (සාමාන්‍ය මට්ටම) පාඨමාලාවේ අයත් විෂය විරිද්ධයේ විද්‍යාත්මක අධ්‍යාපන කාර්යය පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක්	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/10	එම්. චන්දන ප්‍රකාශ් කටුනායක, රජයේ ගුරු විද්‍යාලය, දඹදෙණිය. (M.Phil. student-Edu. Univ. of Colombo)	ශ්‍රී ලංකාවේ ගුරු විද්‍යාත්මක පුහුණුවල මත ගුරු සිසුන් 'ගුරුමාතෘන් කටුනායක' සාමාන්‍ය කරන ආකාරය අධ්‍යයනයක්	1984	1 year	Rs. 5000.00	Ongoing

Ref. No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/11	එච්.කේ.සු. කේ. විරවර්ධන, මුදුන්ගොඩ විද්‍යාලය, (M.Phil. student-Edu. Univ. of Colombo).	කණ්ණික ආර්ථික පාසැල් අධ්‍යාපනය සම්පූර්ණ කරන සිසුන් තුළ සමාජ අධ්‍යාපන පාඨමාලාව ඇසුරෙන් ප්‍රජාතන්ත්‍රවාදය සඳහා වූ අධ්‍යාපන සාකච්ඡා සාධනය	1984	1 year	2500.00	Completed
RG/84/SS/ 12	ඩබ්.ඒ. වාලට් 662 ඒ, ඊරියවැටිය කැලණිය. (M.Phil. student-Edu. Univ. of Colombo).	පාසැල් ගුරුවරයා සහ අධ්‍යාපන සාධනය අතර ඇති සම්බන්ධතාවය සොයා බැලීමක් - ගම්පහ අධ්‍යාපන දිස්ත්‍රික්කයේ අ.පො.ස (උපස්ථ පෙළ) සිසුන් ඇසුරෙනි.	1984	1 year	2500.00	Ongoing
RG/84/SS/13	එස්.පී. ලියනගේ 'නුවන' මාපලාන කඹුරුවිටිය. (M.Phil. student-Edu. Univ. of Colombo).	ශ්‍රී ලංකාවේ මාතර අධ්‍යාපන දිස්ත්‍රික්කයේ වැඩිහිටි අධ්‍යාපන සැලසුම පිළිබඳව අධ්‍යයනයක්	1984	1 year	2500.00	Ongoing
RG/84/SS/14	එන්.පී. සෙනරත්න මිය, 'සේනානි' ගල්පාන කලුතර. (M.Phil. student-Edu. Univ. of Colombo).	ශ්‍රී ලංකාවේ මිනිදා මුද්දික ලිපියන්ගේ අධ්‍යාපනික ගැටළුව හා ඔවුන්ගේ වාලන කැඩීයා වර්ධනය පිළිබඳ අධ්‍යයනයක් (ගල්පාන ප්‍රදේශ මිනිදා මුද්දික පාසැලේ හා කොළඹ 5 විශ්‍ය පථ මගෙහි විශේෂ ලිපියක් සඳහා වූ පාසැලේ ලිපි ඇසුරින් කරන අධ්‍යයනයක්	1984	1 year	2500.00	Ongoing

Grant No.	Name & Institution	Title of Project/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/15	<p>ටී.පී.පී. ජීවරත්න මිය, 32/8, සපුළු පෙදෙස රාජගිරිය. (M.Phil. student-Edu. Univ. of Colombo)</p>	<p>අධ්‍යාපන ක්‍රමයක් විසින් වැදගත් කොට සලකන අධ්‍යාපනික හා වර්ධන අරමුණ සම්බන්ධයෙන් අතිරේක පාසැලේ ළමුන්ගේ හා ගුරුවරුන්ගේ සම්ප්‍රදායික පිළිබඳ අධ්‍යයනයක්</p>	1984	1 year	Rs.2500.00	Ongoing
RG/84/SS/16	<p>එස්. මාතරආරච්චි මිය, 'රත්ගිරි' ගලගිරිය, වලස්මුල්ල. (M.Phil. student-Edu. Univ. of Colombo)</p>	<p>ශ්‍රී ලංකාවේ සංභල මධ්‍ය මහා විද්‍යාල හා මහා විද්‍යාලයන්හි විදුහල්පති ප්‍රවීණතා හඳුනා විලබ්ද විශ්ලේෂණාත්මක අධ්‍යයනයක් (තමාගේ සියලුම පාසැලේ)</p>	1984	1 year	Rs.2500.00	Ongoing
RG/84/SS/17	<p>Mrs.Gothami Fernando 'Yamuna' Parakrama Road, Tangalle (M.Phil. student-Edu. Univ. of Colombo)</p>	Population Education	1984	1 year	Rs.2500.00	Ongoing
RG/84/SS/18	<p>Mr. M.M.Anthonymuttu Dept. of Economics Univ. of Jaffna Jaffna.</p>	The Impact of Oil Prices on Sri Lankan Economy	1984	3 months	Rs.3600.00	Ongoing .

1984 - SOCIAL SCIENCE RESEARCH GRANTS FROM SAREC FUNDS

Grant No.	Name & Institution	Project Title/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
SAREC/13/ SSR/1	Mr.A.L.M. Perera, No. 9, Mosque Road, Dehiwela. Head, Techno Economics Dept. & Principal Research Engineer, NERD Centre of Sri Lanka Ekala, Ja-ela.	Process of Innovation in Sri Lanka.	1984	1 year	Rs. 7500.00	Ongoing
SAREC/13/ SSR/2	Dr. S.Rupasinghe. Head, Dept. of Social Science Education Fac. of Education, Univ. of Colombo, Colombo 3.	Participation of early school dropouts in economic activities - an evaluation	1984	1 year	Rs.13000.00	Ongoing
SAREC/13/ SSR/3	Mr. A. Jayawardene No. 375/9, Highlevel Rd., Makumbura, Pannipitiya.	රත්නපුර දිස්ත්‍රික්කයේ වැඩිම කම්මන්තය විවිධම අවදානම ක්‍රියාවලිය කෙරේ මධ්‍යම අතී ආකාරය පිළිබඳ විවිධකාරීම් හ අධ්‍යයනයක්	1984	1 year	Rs.6250.00	Completed

Grant No.	Name & Institution	Project Title/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
SAREC/13/ SSR/4	Mr. B.Gajameragadara. Lecturer, Dept. of History, Univ. of Peradeniya, Peradeniya.	Development Strategies Foreign Aid and Foreign Policy of Sri Lanka since 1965.	1984	2 years	Rs.10,000.00	Ongoing
SAREC/13/ SSR/5	Mr.P.Vithanage. Asst. Lecturer, Dept. of Economics, Ruhuna University College, Matara.	කෘෂිකාර්මික නවීකරණය හා සමාජ ආර්ථික වෙනස් වීම් භවිෂ්ඨතාව දියුණුකිරීම ඇසුරෙහි.	1984	2 years	Rs.10000.00	Ongoing

Grant No.	Name & Institution	Project Title/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
SAREC/13/ SSR/6	<p>Dr.C.Sivayoganathan. Lecturer, Dept. of Agric. Econ. & Extension, Fac. of Agriculture, Univ. of Peradeniya, Peradeniya.</p> <p>Dr. K. Kailaspathy. Lecturer, Dept. of Agric.Chemistry, Fac. of Agriculture, Univ. of Peradeniya, Peradeniya.</p>	Household Utilization of Vegetables: A Study on Knowledge, Attitudes and Nutrient Losses	1984	1 year	Rs.25000.00	Ongoing
SAREC/13/ SSR/7	Prof. W.D.Lakshman. Prof. of Economics, Dept. of Economics, Univ. of Colombo, Colombo.	Industrial Development in Sri Lanka 1960-82: Policies, Problems & Socio-Economic Impacts	1984	2 years	Rs.25000.00	Ongoing

Grant No.	Name & Institution	Project Title/Duration	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
SAREC/13/ SSR/8	Prof. A.Liyanagamage. No. 68/1, Pagoda Rd., Nugegoda. Prof. of History Univ. of Kelaniya Kelaniya.	Public Health and Concepts and Systems of Sanitation in Buddhist Monastic Contexts in Ancient Sri Lanka. A Historical and Archaeological Survey	1984	1 year	Rs.7500.00	Ongoing
SAREC/13/ SSR/9	Mr. Laksiri Fernando. Lecturer in charge, Dept. of Political Sc., Dumbara Campus, Polgolla.	The Public Sector Factory Workers in Sri Lanka Economic Conditions & Social Orientations	1984	2 years 6 months	Rs.25000.00	Ongoing

STATEMENT OF SOURCES & APPLICATION OF FUNDS FOR THE YEAR TO 31.12.84

Cash & Bank Balance as at 1.1.83 1,030,129.15

Source of Funds:-

Contribution from Government	6,750,000.00	
Foreign Aid Grants	4,000,000.00	
Money received from Mahaweli Authority	<u>80,000.00</u>	
		10,830,000.00

11,860,129.15

Application of Funds:-

Outflow from activities. Note 1	8,029,287.82	
Increase in fixed assets Note II	<u>2,038,215.63</u>	
		10,067,503.45

Movement in Working Capital Items:-

	<u>Sources</u>	<u>Application</u>	
Stocks		75,865.99	
Debtors		117,822.15	
Prepayment		8,613.98	
Deposits		50,000.00	
Creditors		49,479.27	
Accrued Charges	<u>40,736.83</u>		
	<u>40,736.83</u>	<u>301,781.39</u>	<u>261,044.56</u>

10,328,548.01

Cash & Bank balance as at 31.12.84

Rs. 1,531,581.14

NOTE I

Excess of Expenditure over Income	3,828,763.79	
<u>Less : Depreciation</u>	<u>1,276,229.00</u>	2,552,534.79
<u>Add:</u>		
Expenditure on Research Grants		1,896,794.56
" " Documentation Unit Capital Fund		339,269.59
MAB Fund		285,198.41
Miscellaneous Fund		315,453.38
Scientific & Manpower Project Fund		15,741.50
Working Committee Fund		340,924.06
Foreign Aid Fund		<u>2,283,371.53</u>
		Rs. 8,029,287.82

NOTE II

Increase in Fixed Assets

Office Equipment & Furniture	181,939.50	
Bicycles	1,645.00	
Accessories & Misc.	10,018.25	
Library Books	56,157.47	
Documentation - Equipment	11,521.50	
Scientific Equipment out on loan	1,674,291.27	
Building	<u>1,223,410.05</u>	
	Rs. 3,158,983.04	
<u>Less: Capital work in Progress</u> (Capitalized)	<u>1,120,767.41</u>	
	Rs. <u>2,038,215.63</u>	

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

Balance Sheet as at 31.12.84

as at 31.12.83	<u>FUNDS EMPLOYED</u>	Rs.	Rs.	Rs.
7,526,906	<u>NARESA Fund</u>	10,334,305.98		
<u>2,400,000</u>	<u>Add: Drawings from Treasury</u>	<u>2,950,000.00</u>		
9,926,906		13,284,305.98		
-	<u>Add: Treasury Deposit</u>	<u>-</u>	13,284,305.98	
9,926,906				
<u>3,894,566</u>	<u>Less: Excess of expenditure over income</u>		<u>3,829,138.29</u>	
6,032,340				9,455,167.69
654,171	<u>Documentation Unit Capital Fund</u>	657,732.42		
<u>370,000</u>	<u>Add: Drawings from Treasury</u>	<u>408,000.00</u>		
1,024,171		1,065,732.42		
-	<u>Add: Treasury Deposit</u>	<u>-</u>	1,065,732.42	
1,024,171				
<u>367,489</u>	<u>Less: Expenditure for the year - Schedule No.1</u>		<u>407,998.56</u>	657,733.86
656,682				
2,035,031	<u>Research Grants Fund</u>	2,635,380.65		
<u>2,280,000</u>	<u>Add: Drawings from Treasury</u>	<u>2,420,000.00</u>		
4,315,031		5,055,380.65		
-	<u>Add: Treasury Deposit</u>	<u>-</u>		
4,315,031			5,055,380.65	
<u>2,280,000</u>	<u>Less: Expenditure for the year</u>		<u>2,420,000.00</u>	2,635,380.65
2,035,031				
	<u>Total carried over to/2</u>			12,748,282.20

		Total brought forward.....	12,748,282.20
334,038	<u>Man & the Biosphere Fund : Schedule No. 2</u>	433,599.83	
375,000	<u>Add: Drawings from Treasury</u>	<u>300,000.00</u>	
709,038		733,599.83	
-	<u>Add: Treasury Deposit</u>	<u>-</u>	
709,038		733,599.83	
355,438	<u>Less: Expenditure for the year</u>	<u>297,798.41</u>	435,801.42
353,600			
334,947	<u>Miscellaneous Fund:</u>	328,380.16	
250,000	<u>Add: Drawings from Treasury</u>	<u>312,000.00</u>	
584,947		640,380.16	
-	<u>Add: Treasury Deposit</u>	<u>-</u>	
584,947		640,380.16	
256,567	<u>Less: Expenditure for the year - Schedule No. 3</u>	<u>315,453.38</u>	324,926.78
328,380			
175,940	<u>Scientific Manpower Project Fund</u>	187,108.94	
25,000	<u>Add: Drawings from Treasury</u>	<u>-</u>	
200,940		187,108.94	
-	<u>Add: Treasury Deposit</u>	<u>-</u>	
200,940		187,108.94	
13,831	<u>Less: Expenditure for the year - Schedule No. 4</u>	<u>15,741.50</u>	171,367.44
187,109			

Total carried over to/3

Rs. 13,680,377.84

		Total brought forward.....	Rs.	13,680,377.84
248,728	<u>Working Committees Fund</u>	257,481.96		
<u>200,000</u>	Add: Drawings from Treasury	<u>360,000.00</u>		
448,728		617,481.96		
-	Add: Treasury Deposit	-		
448,728			617,481.96	
<u>191,246</u>	Less: Expenditure for the year - Schedule No. 5		<u>340,924.06</u>	276,557.90
257,482				
5,032,170	<u>Foreign Aid Fund</u>	8,584,884.80		
<u>1,500,000</u>	Add: Drawings from Treasury	<u>4,000,000.00</u>		
6,532,170		12,584,884.80		
-	Add: Treasury Deposit	<u>2,724,753.40</u>		
6,532,170			15,309,638.20	
<u>1,417,147</u>	Less: Expenditure for the year - Schedule No. 6		<u>3,833,719.79</u>	11,475,918.41
5,115,023				
	<u>Current Liabilities:-</u>			
155,072	Creditors - Schedule No. 7		105,567.40	
98,361	Accrued Charges - Schedule No. 8		139,098.25	
<u>1,560,090</u>	Provisions - Schedule No. 9		<u>1,311,045.02</u>	1,555,710.67
1,813,523				
<u>16,779,171</u>				Rs. 26,988,564.82

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

Balance Sheet as at 31.12.84

As at 31.12.83		Cost as at 01.01.84	Additions/ Disposals during the year	Accumulated Depreciation	Net Balance as at 31.12.84
	<u>Represented by:-</u>				
	<u>Fixed Assets:</u>				
76,939	Buildings	1,140,443.01	1,223,410.05	698,557.00	1,665,296.06
373,603	Office Equipment & Furniture	940,558.39	181,939.50	691,530.00	430,967.89
129,331	Motor Vehicles	655,306.13	-	561,634.00	93,672.13
10,285	Motor Bicycles	51,425.00	-	51,425.00	-
-	Bicycles	4,190.65	1,645.00	4,601.65	1,234.00
-	Sports Equipment	1,504.00	-	1,504.00	-
7,403	Accessories & Miscellaneous	46,030.60	10,018.25	42,892.00	13,156.85
1,013,340	Library Books	998,456.67	56,157.47	-	1,054,614.14
1,971,141	Scientific & Laboratory Equipment on loan	5,651,043.93	(778,941.53) 1,674,291.27	2,386,023.50	1,054,614.14
1,677,086	Documentation Equipment	3,270,511.90	11,521.50	1,129,451.00	2,152,582.40
5,259,128		<u>12,759,470.28</u>	<u>2,380,041.51</u>	<u>5,567,618.15</u>	<u>9,571,893.64</u>
13,954	Telephone Installation				13,953.64
452	Natural Emblem				451.64
1,120,767	Capital work in Progress				-
	Total carried over to/2				Rs. 9,586,298.92

Total brought forward

Rs. 9,586,298.92

Current Assets:-

70,120	Stocks - Schedule No. 10		145,986.29	
262,505	Debtors - Schedule No. 11		380,117.25	
127,857	Prepayments - Schedule No. 12		136,470.96	
20,835	Deposits - Schedule No. 13		64,835.05	
8,873,423	Treasury Deposits		10,820,173.64	
-	Money held in advance by Treasury		4,323,101.57	
916,489	Balance at Bank - A/c. No. 1256	157,778.97		
33,620	A/c. No. 1257	<u>246,915.09</u>	404,694.06	
5,000	Petty Cash		5,000.00	
<u>75,020</u>	Cash in hand		<u>1,121,887.08</u>	
<u>10,384,869</u>				<u>17,402,265.90</u>
<u>16,779,170</u>				Rs. <u>26,988,564.82</u>

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

Income & Expenditure for the year ended 31.12.84

As at 31.12.83

	<u>Income for the year:-</u>		
34,855	Interest Received		14,667.33
29,833	Sundry Income		67,542.01
84,825	Sale of Publications		95,959.11
8,928	Photocopy receipts		28,900.80
-	Commission on sale of Publications		<u>2,686.20</u>
158,441			209,755.45
	<u>Less: Expenditure for the year:-</u>		
	<u>Council Expenditure:-</u>		
11,159	Travelling (Authority members, committees & panels)	19,180.00	
374	Printing & Publications	874.50	
<u>7,104</u>	Entertainment	<u>12,131.80</u>	32,186.30
18,637			
	<u>Staff Emoluments</u>		
1,535,426	Salaries & Allowances	1,803,493.37	
118,898	Employee's Provident Fund	200,140.79	
29,168	Employee's Trust Fund	49,987.86	
11,002	Gratuity	14,372.00	
<u>28,030</u>	Over-time	<u>27,388.57</u>	
1,722,525			2,095,382.59
	Total carried over to/ 2	Rs.	<u>2,127,568.89</u>
			<u>209,755.45</u>

Total brought forward.....Rs. 2,127,568.89

Rs, 209,755.45

<u>Office Administration</u>			
1,223	Travelling (Office)	847.00	
73,780	Stationary & Consumables	120,667.39	
21,857	Electricity	26,871.73	
55,673	Telephone	84,069.69	
30,180	Postage	57,738.98	
13,200	Audit Fees	13,200.00	
1,024	Bank Charges	1,971.70	
847	Medical Expenses	838.95	
52,772	Advertising	49,954.75	
46,516	Maintenance of Motor Vehicles	81,980.83	
10,674	Maintenance of Office Equipment & Furniture	14,213.83	
91,509	" of Office Building	42,181.35	
13,340	Insurance charges	47,175.26	
	Water Consumption Charges	232.30	
33,173	Bad Debts	189.29	
65,963	Security Services	71,075.00	
1,784,113	Depreciation - Schedule No. 14	1,276,229.00	
<u>16,002</u>	Sundry Expenses - Schedule No. 15	<u>21,887.80</u>	
<u>4,053,007</u>			<u>1,911,324.85</u>
3,894,566	Excess of expenditure over income		<u>Rs. 3,829,138.29</u>

NOTES ON ACCOUNTS

(Values are to the nearest rupees thousand).

1. General
Accounting
Policies

1.1 Funds - The cost of the scientific and laboratory equipment acquired during the year has been treated as expenditure in the respective funds but capitalized and included in NARESA fund as at 31.12.84.

1.2 Events after the balance sheet date:

Out of 22 grants whose official duration had been expired as at 31.12.84, 7 had been completed, 08 grants have been granted official extensions and 2 grants were completed, final reports awaited, the balance, 5 grants decision is awaited

2. Assets and the
basis of their
valuation

2.1 Depreciable assets and depreciation

Scientific and laboratory equipment amounting to Rs.778,941.53/= at original cost have been handed over to the respective state organizations following a decision of the Authority, and has been shown as disposals in the accounts. Accumulated depreciation also have been adjusted accordingly. Depreciation has been provided on original cost or at valuation on a straight line basis consistent with that of the previous year and is calculated to write-off the assets over their estimated useful lives.

2.2 Depreciation on Building, Scientific Equipment out on loan Documentation equipment had been revised in the current year as follows;

	<u>Rate applied upto 31.12.83</u>	<u>Current year</u>
Building	10%	5%
Scientific Equipment	20%	10%
Documentation "	20%	10%

Consequently the charge for depreciation in the current year had been reduced by Rs.798,638 and NARESA fund had been credited with Rs.2,545,050/= as over depreciation provided in previous years.

2.3 Stocks - Stocks have been valued at the lower of cost or net realisable value on bases consistently applied from year to year.

2.4 Debtors - Amount of debtors is stated net of provision for bad and doubtful debts.

Grantees have not been granted cash imprests over Rs.500/= without special approval of the Director-General.

3. Liabilities & Provisions

3.1 Creditors - Creditors includes the following;

Dr(Mrs) K.Abeynayake - Rs.80000/= payable only if the project is in progress

Dr(Mrs) C.V.S.Gunatilake -Rs.6000/= Same as above.

NTIS - Educational Promotional Work - Rs.6000/= This represents the balance of the funds already transferred to Natural Resources, Energy & Science Authority for a specific educational programme to be utilized when the scheme is in progress.

3.2 The provisions includes the provision made for the balance funds allocated to the various research grants and not utilized during the current year but allowed on principle to be utilized in future, during the currency of the grant.

3.3 Employees' Benefits - All permanent employees are covered by E.P.F and E.T.F. contributions except the re-employed state pensioners.

3.4 Retiring Gratuity - According to the payment of gratuity Act. No. 12 of 1983 NARESA is liable for the payment of gratuity to its employees with effect from 31.3.83. No provision has been made in the accounts in respect of this liability.

Sale of Publications

1. Sale of NSC Journal	Rs.	16,872.92
2. Sale of Vidurawā		925.37
3. Sale of SSRC Journal		10,724.39
4. Sale of MAB Publications		7,865.72
5. Sale of Other SSRC Publications		2,072.98
6. Sale of Other NSC Publications		<u>57,497.73</u>
	Rs.	<u>95,959.11</u>

Schedule No. 01

(1) Documentation Unit Capital Fund Expenditure:-

1. SLSTIC Equipment	11,521.50
2. " Maintenance & Repairs	64,345.75
3. " Books & Periodicals	158,983.97
4. " In. House Printing & Binding	40,647.78
5. " External Printing & Binding	5,850.00
6. " Consumables	81,400.61
7. " Miscellaneous	22,934.45
8. " Services	53.50
9. " Publications & Publicity	8,152.00
10. Science Information Committee	<u>14,109.00</u>
	<u>407,998.56</u>

Schedule No. 02

(2) MAB Programme Expenditure:-

1. MAB/Gen	12,750.00
2. MAB/71/5	150,000.00
3. MAB/77/1.3/3	62,529.48
4. MAB/81/2	49,200.95
5. MAB National Committee	<u>16,317.98</u>
	<u>297,798.41</u>

Schedule No. 03

(3) Miscellaneous Fund Expenditure:-

1. Participation in International Scientific Work	71,687.90
2. Seminars & Symposias	77,903.48
3. Subscriptions to International Scientific Unions	<u>162,862.00</u>
	<u>315,453.38</u>

Schedule No. 04

(4) Scientific Manpower Project Expenditure:-

1. PSG/78/2	1,991.50
2. Manpower Training Programme	<u>13,750.00</u>
	<u>15,741.50</u>

Schedule No. 05

(5) Working Committees Fund Expenditure	
1. Agriculture & Animal Husbandry Working Committee	4,785.00
2. Natural Resources Working Committee	24,390.60
3. Chemical Sciences Working "	6,699.30
4. Social Science Research Working Committee	71,231.62
5. Science Education Research " "	44,596.25
6. Biological Sciences Working Committee	6,745.50
7. Working Committee on Energy	41,155.44
8. Physical & Engineering Sciences Working Committee	402.00
9. Science & Technical Information " "	116,147.90
10. Editorial Committee	11,445.00
11. Medical & Vet. Sciences Working Committee	8,762.95
12. Science Policy Research Working Committee	<u>4,562.50</u>
	<u>340,924.06</u>

Schedule No. 06

6) Foreign Aid Expenditure

1. Advisory & Buffalo Research Working Committee	Rs. 11,631.85
2. SAREC/9/BF/01	43,911.88
3. SAREC/9/BF/02	35,264.48
4. SAREC/9/BF/03	41,742.02
5. SAREC/9/BF/04	490,573.07
6. SAREC/9/BF/06	50,315.82
7. SAREC/9/BF/09	24,375.39
8. SAREC/9/BF/12	29,147.35
9. SAREC/9/BF/16	29,595.03
10. SAREC/9/BF/17	27,389.65
11. SAREC/9/BF/21	190,712.40
12. SAREC/6	164,515.26
13. SAREC/11	12,777.65
14. SAREC/15	29,078.10
15. SAREC/9/GEN	230,674.56
16. SAREC/14/M	45,000.00
17. SAREC/13/SSR/02	8,087.00
18. SAREC/13/SSR/03	7,502.93
19. " " "/05	1,053.20
20. " " "/06	16,085.34
21. " " /07	12,932.26
22. SAREC/10/BF/02	490,044.98
23. " " "/03	247,323.63
24. " " "/04	35,500.00
25. CIDA/83/02	42,906.10
26. " "/03	100,285.56
27. " "/05	55,037.62
28. " "/06	83,701.55
29. " "/07	250,919.93
30. " "/08	141,974.20
31. " "/09	151,129.05
32. " "/10	14,005.69
33. " "/11	94,028.95
34. " "/12	19,580.19
35. " "/14	62,400.79
36. CIDA/GEN	2,854.11

Total carried over to .../2 3,294,057.59

	Total brought forward...	3,294,057.59
37. RG/AID/O1		236,021.48
38. RG/AID/O2		134,876.00
39. RG/AID/O3		166,955.72
40. RG/AID/O4		1,581.00
41. RG/AID/O5		125.00
42. RG/AID/GEN		103.00
	<u>Total</u>	<u>Rs. 3,833,719.79</u>

Schedule No.7

Sundry Creditors

1. Dr. (Mrs.) K. Abayanayake	79,777.84	
2. G. A. Jaffna	7,769.00	
3. Mrs. C. V. S. Gunathilake (IFS Grant)	6,411.14	
4. NTIS Deposit A/c	4,740.97	
5. NTIS Creditors	1,085.00	
6. NTIS Educational & Professional work	5,783.45	
	<u>Total</u>	<u>Rs. 105,567.40</u>

Schedule No.8

Accrued Charges

1. Audit Fees	14,400.00	
2. Security Services	6,225.00	
3. Overtime	2,405.55	
4. Employees Provident Fund	31,546.20	
5. Employees Trust Fund	4,301.79	
6. Telephone	11,268.35	
7. Electricity	15,354.60	
8. Consultation fees for the new building	7,056.68	
9. Maintenance of motor, vehicles	5,792.23	
10. Water Consumption charges	40.00	
11. Research Grants Expenditure	890.00	
12. SAREC Expenditure	39,817.85	
	<u>Total</u>	<u>Rs. 139,098.25</u>

Schedule No. 9

Provisions

1. Provision for research grants	Rs. 1,309,545.02
2. Provision for awards for the best article published in the SSR Journal	<u>1,500.00</u>
Total	Rs. <u>1,311,045.02</u>

Schedule No. 10

Stocks as at 31.12.84

1. Stationary & Consumables	145,811.29
2. Stamps	<u>175.00</u>
Total	Rs. <u>145,986.29</u>

Schedule No. 11

Sundry Debtors

1. Research Grants cash imprests -	45,211.25
2. SERC " " " -	10,450.95
3. MAB " " " -	4,900.00
4. Miscellaneous cash imprest	1,500.00
5. Foreign Aid Grants Cash Imprests	100,559.00
6. Commonwealth Science Council	2,190.08
7. NTIS Debtors	192.25
8. Loans to Staff:	
1. Bicycle loans -	13,768.57
2. Vehicle loans -	57,956.00
3. Motor Bicycle loans -	49,894.71
4. Festival Advances -	6,650.00
5. Distress loans -	67,388.90
6. Emergency loans -	190.05
9. Asian Institute of Technology	8,616.00
10. Ministry of Power & Energy	<u>28,174.54</u>
	397,642.30
<u>Less: Provision for doubtful debts</u>	<u>17,525.05</u>
Total	Rs. <u>380,117.25</u>

Schedule No. 12

Prepayments

1. Insurance premium for motor vehicles	5,706.96
2. Insurance premium for building	29,692.60
3. Subscriptions for 85 local periodicals	7,377.35
4. Service agreement charges for typewriters	716.25
5. Subscriptions paid to ASLIB membership	3,010.00
6. " to international scientific Unions (CSC from Jan- June 85)	59,357.00
7. Licence fee for 85	26,400.00
8. PMG - renewal fee for telegraph services	400.00
9. PMG - Balance as at 31.12.84 on deposit for stamping machine	<u>3,810.80</u>
	Rs. 136,470.96

Schedule No. 13

Deposits

1. Govt. Publications Bureau	1,455.05
2. Ceylon Oxygen Ltd.,	5,000.00
3. Cargo Boat Despatch Co., Ltd.,	200.00
4. Felix Pereira & Son	5,000.00
5. Post Master General	1,730.00
6. Ministry of Industries (Telex)	1,000.00
7. Director of Telecommunication	450.00
8. Sri Lanka Ports Authority Deposit	<u>50,000.00</u>
	Rs. 64,835.05

Schedule No. 14

Depreciation

1. Building	5%	118,193.00
2. Office Equipment & furniture	20%	124,575.00
3. Motor vehicles	20%	35,659.00
4. Motor Bicycles	20%	10,285.00
5. Bicycles	25%	411.00
6. Accessories & Miscellaneous	20%	4,264.00
7. Scientific Equipment out on loans	10%	654,639.00
8. Documentation equipment	10%	<u>328,203.00</u>
		Rs. 1,276,229.00

Schedule No. 15

Sundry Expenses

1. Laundry bill	Rs.	360.50
2. Meal allowances		590.00
3. Parking fees		127.00
4. Purchase of uniforms		12,269.50
5. Repairing charges for bicycles		269.50
6. Tailoring charges		2,790.00
7. Purchase of Fertilizer		255.00
8. " " photographs		119.00
9. " " greeting cards		343.25
10. " " flower pots, flowers & crotons		513.50
11. " " pictures & framing charges		1,472.50
12. " " a gazette, telephone Directory & visa form		112.20
13. " " barbed wire		920.00
14. Consultation fees		650.00
15. Expenditure on mangrove survey		786.50
16. Charges for telegram		3.85
17. Purchase of firewood		13.00
18. Repairing charges for a brief case & two date stamps		- 292.50
	Rs.	21,887.80

CERTIFICATE OF THE AUDITOR GENERAL

The accounts of the Natural Resources, Energy and Science Authority of Sri Lanka for the year ended December 31, 1984 were audited under my direction in pursuance of 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.

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

Sgd/ (H. Gemini Epa)
Auditor General.

Auditor General's Department,
Colombo 07.

December 31, 1985.

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දුරකථන
Telephone
දුරකථන
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My No.
දුරකථන
අංකය
Year No.

91151

EC/J/NRESA/84



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වෙරිංගන් වතුරහල, කොළඹ 7, ශ්‍රී ලංකාව
கணக்காய்வகம் தலைமை அலுவலகம்
வெரிங்டன் வதுரகல், கொழும்பு 7, இலங்கை
AUDITOR-GENERAL'S DEPARTMENT
TORRINGTON SQUARE, COLOMBO 7
SRI LANKA (CEYLON)

දිනය/Date December 31, 1985.

The Director General,
Natural Resources Energy and Science Authority
of Sri Lanka,
Colombo 7.

Report of the Auditor General on the Accounts of the
Natural Resources, Energy and Science Authority of
Sri Lanka for the year ended December 31, 1984 in terms
of Section 14(2)(c) of the Finance Act, No. 38 of 1971.

The audit of the accounts of the Natural Resources, Energy and Science Authority of Sri Lanka for the year ended December 31, 1984 was carried out under my direction in pursuance of the 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. In carrying out this audit I was assisted by a firm of auditors in public practice. 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 Director General on October 17, 1985.

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 reviews and tests were such as to enable as wide an audit coverage as possible within the limitation of staff, resources and time available to me. Sub-sections (3) and (4) of Section 13 of the Finance Act, No. 38 of 1971 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 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 previous year.

2:2 Financial Results:

According to the accounts, the working of the Authority for the year ended December 31, 1984 resulted in an operating deficit of Rs.3,829,138 in the General Fund as compared with a corresponding deficit of Rs.3,894,566 in the preceding year. The operations of the Special Research Funds during the year under review resulted in an operating deficit aggregating Rs.5,476,753 as compared with a corresponding aggregate of Rs.3,156,563 in the previous year. The following statement gives a summary of the financial results for the year under review and the preceding year relating to the General Fund.

	<u>Year ended December 31,</u>					
	Rs.	<u>1984</u>	Rs.	Rs.	<u>1983</u>	Rs.
<u>Income</u>						
Interest received		14,668		34,855		
Sale of Publications		95,959		84,825		
Income from Photo copying service		28,901		8,928		
Others		<u>70,228</u>	209,756	<u>29,833</u>		158,441
 <u>Less: Expenditure</u>						
<u>Authority Expenditure</u>						
Travelling		20,027		12,382		
Printing and publications		<u>874</u>		<u>374</u>		
		20,901		12,756		
 <u>Other Expenditure</u>						
Staff Emoluments		2,095,383		1,722,525		
Office Administration		<u>1,922,610</u>	<u>4,038,894</u>	<u>2,317,726</u>		<u>4,053,007</u>
			(3,829,138)			(3,894,566)

contd.....(3)

The following statement summarises the expenditure from the Special Research Funds during 1983 and 1984 and the balances outstanding as at December 31, 1984.

Description of Fund	Expenditure	Expenditure	Balance as at
	during the year ended Dec. 31, 1984	during the year ended Dec. 31, 1983	December 31, 1984
	Rs.	Rs.	Rs.
Documentation Unit Capital Fund	407,999	367,489	657,734
Research Grants Fund	2,420,000	2,280,000	2,635,381
Man and Biosphere Fund	297,798	355,438	435,801
Miscellaneous Fund	315,459	256,567	324,927
Scientific Manpower Project Fund	15,742	13,831	171,367
Working Committee Fund	340,924	191,246	276,558
Foreign Aid Fund	<u>3,833,720</u>	<u>1,417,147</u>	11,475,918
Less:	7,631,636	4,881,718	
Provisions for Grantees and Capital expenditure transferred to General Fund of the Authority	<u>2,154,883</u>	<u>1,725,155</u>	
	5,476,753	3,156,563	

2:3 Financial Structure

The financial structure of the Authority as at December 31, 1984 compared with that as at December 31, 1983 is given below:

	As at December 31,	
	1984	1983
<u>Resources</u>	Rs.	Rs.
General Fund of the Authority	9,455,168	6,032,340
Special Research Funds	<u>15,977,686</u>	<u>8,933,308</u>
	25,432,854	14,965,648

Utilisation

Fixed assets at written-down value	9,586,299	6,394,301
Net current assets	<u>15,846,555</u>	<u>8,571,347</u>
	25,432,854	14,965,648

contd.....(4)

2:4 Source and Application of Funds

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

<u>Sources</u>	Rs.	Rs.	Rs.
<u>External Sources</u>			
Contributions from Government	6,750,000		
Foreign Aid Grants	6,724,753		
Money received from Mahaweli Authority	<u>20,000</u>		13,554,753
 <u>Application</u>			
Excess of expenditure over income for the year	3,829,138		
Less: Adjustments in respect of previous years	<u>3,539,288</u>	289,850	
 Adjustments for items not involving movement of Funds			
Depreciation	1,276,229		
Net increase in provisions	<u>249,045</u>	(1,525,274)	
		(1,235,424)	
Acquisition of Fixed Assets		2,038,216	
Expenditure on Special Research Funds		<u>5,476,753</u>	<u>6,279,545</u>
Increase in working capital as analysed below			7,275,208 =====

contd.....(5)

	<u>Effect on Working Capital</u>		
	<u>Increase</u>	<u>Decrease</u>	
	Rs.	Rs.	Rs.
Stocks	75,866		
Debtors	117,612		
Prepayments	8,614		
Deposits Receivable	44,000		
Treasury Deposits	1,946,751		
Money held in Advance by Treasury	4,323,101		
Creditors	49,504		
Accrued Charges	-	40,737	
Provisions	249,045		
Cash and Bank Balances	501,452		
	<u>7,315,945</u>	<u>40,737</u>	<u>7,275,208</u>
	=====	=====	=====

2:5 Comments on Accounts

2:5:1 Fixed Assets

(i) Fixed Assets Register and Inventory

Fixed Assets Register had not been up-dated and even the Inventory of Scientific Equipment had not been maintained satisfactorily.

(ii) Depreciation

The depreciation originally provided for on buildings, Scientific equipment and documentation equipment in the previous years, consequent on a decision to reduce the rates of depreciation, a sum of Rs.2,545,050 had been written back as an adjustment of the consequential over-provision of depreciation in previous years, by a sum of Rs.2,545,050. ✓

(iii) Write off of Scientific Equipment

Scientific equipment amounting to Rs.778,947 at original cost had been handed over to the University of Peradeniya and University of Kelaniya and had been written off from the accounts. The written down value of these equipment as at date of transfer was Rs.100,155. ✓

contd.....(6)

- (iv) Change in basis of accounting for expenditure on periodicals.

Rs.14,884 being the cost of periodicals purchased during the previous years and shown in the accounts of the preceding year as a fixed asset had been written off from the accounts during the year under review due to a change in basis of accounting for this expenditure.

2:5:2 Accounting Deficiencies

The accounting deficiencies observed in audit were referred to in my detailed report furnished to the Director General in October 1985. Some of the major deficiencies observed are given below:

- (i) Accrued expenditure amounting to Rs.202,803 and prepayments amounting to Rs.1,127 had been omitted from the Accounts.
- (ii) Rs.2,774,116 being deposit of unspent provisions at the Treasury as at the end of the year under review had been included in the Foreign Aid Fund Account Balance and the Treasury Deposit Account Balance of the Authority although this amount had not been released by the Treasury.
- (iii) Recovery for no-pay leave amounting to Rs.1,627 had been included in the Sundry Income, instead of crediting to the Salaries and Wages Account.

3. Identified Losses

Scientific equipment valued at Rs.8,825 given on loan to a grantee had been stolen while carrying out a Research project at Gannewa. This amount had been written off from the accounts.

contd.....(7)

4. Legal and Statutory matters.

Petty Cash Imprests with Grantees

According to circular instructions issued by the Authority the petty cash imprests should have been refunded in full if no expenditure was incurred for a period of three months. However, it was observed that 25% of such petty cash imprests outstanding as at the end of the year under review had been those over three months.

5. Financial and Operating Review

Research Grants

The research activities of the Authority are mainly undertaken through research grants to individuals and Institutions and the position of the Research Grants as at December 31, 1984 is given below:

<u>Year of Accounts</u>	<u>1 year grants</u>	<u>2 year grants</u>	<u>3 year grants</u>	<u>4 year grants</u>	<u>Total</u>
1979	-	-	2	-	2
1980	1	-	-	-	1
1981	-	3	-	-	3
1982	3	-	-	-	3
1983	13	20	24	5	62
1984	50	11	14	-	75
	<u>47</u>	<u>34</u>	<u>40</u>	<u>5</u>	<u>126</u>
	=====	=====	=====	=====	=====

The approved duration of 22 Research Grants had expired at the end of 1984.

The Director General informed me in December, 1985 as follows:

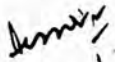
Of the 22 research grants that had been expired at the end of 1984, fifteen had been since completed, final reports ^{were} awaited on three and another three had been granted official extensions. One grant had been recommended to be terminated.

contd.....(8)

6. Systems and Controls

Deficiencies observed during the course of audit were referred to in my detailed report furnished to the Director General. Special attention is needed in respect of the following areas of control.

- (i) Control over Budget
- (ii) Maintenance of records relating to fixed assets, stocks and petty cash payments.


Auditor General.

2.5 Comments on Accounts

2.5.1 Fixed Assets

i. Fixed Assets Register and Inventory

The fixed assets register was introduced for the first time in 1982, and prior to that only an inventory of items purchased had been in use at this Authority. When the fixed assets register was introduced all the items of equipment (including those purchased prior to 1982) that appeared in inventory were taken into the register. The Auditor General's comment on the Fixed Assets Register refers to the fact that the cost of acquisition of a few items had not been entered. This has now been rectified. The comment on the Inventory of Scientific Equipment refers to a few errors in the entries and these have now been rectified.

ii. Depreciation

The depreciation had been provided for Buildings, Documentation equipment and scientific equipment at 10%, 20% and 20% respectively up to 31.12.1983. In the year 1984, this was changed to what was considered to be more realistic rates of 5% for buildings and 10% for documentation and scientific equipment. The sum of Rs. 2,545,050/= referred to in the Auditor General's Report is the consequential adjustment.

iii. Write Off of Scientific Equipment

Scientific Equipment at a written down value of Rs. 100,155/= had been handed over to the respective Universities, following the Board decision 83-6-70 of 17.06.83, and this had been properly written off from the accounts of NARESA as at 31.12.84.

iv. This refers to a change in the basis of accounting for periodicals; whereas originally they were treated as assets, they are now treated as items of expenditure.

2.5.2 Accounting Deficiencies

i. The amounts reported represent 3 items that had been inadvertently omitted, when taking into account the accrued expenditure and prepayments up to 31.12.84. This had been since rectified.

ii. The unutilized allocation and the unexpended amounts out of the Foreign Aid funds actually received, had been added together and shown as the total Treasury Deposit Account. Since this accounting procedure may be misleading it was decided to show only the unexpended funds actually received under the Treasury Deposit Account since this is the amount that will be actually available for expenditure in the succeeding years. Rs. 2,774,116/= mentioned in the Auditor General's report refers to the unexpended allocations described above.

iii. This error had been since rectified.

3. Identified Losses

The Authority decided to write-off the cost of these lost items, as the responsibility of the loss could not be attributed to the grantees or any employee working under him. The items lost had been housed at the Galneva Met. Station.

4. Petty Cash Imprests with Grantees

This authority by its circular No. A/4 has stipulated that the grantees should account for the petty cash imprests advanced to them for their research work, within a maximum period of three months, since it believes that the public funds should not be left in the hands of the individuals. The grantees have reported that at times, the period allowed for the settlement of cash imprests is not enough due to the limited time available to these grantees to do the research and also to report, in addition to their normal course of work, in ^{the} respective institutions. Nevertheless, action had been taken to encourage more of the grantees to adhere to these requirements, and as a result the percentage of defaulters that was very high has now dropped to 25%.

5. Financial and Operating Review

Research Grants

The final reports were awaited on 3 grants, whose official duration has expired as at 31.12.84, and these 3 reports have not been received to-date. These grantees have been requested to send the final reports without further delay.

6. Systems and Controls

Controls over fixed assets, stocks and petty cash are maintained satisfactorily and the few short falls that had been reported in the maintenance of the relevant records also had been since rectified.



Dr. R.H. Jayewardene

22-01-86.

Director General

Natural Resources, Energy & Science Authority