

ANNUAL REPORT
OF THE
NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA
FOR THE
FINANCIAL YEAR 1985

Letter of submission to His Excellency the President

Annual Report

1. Membership	1
11. Staff	2
111. Activities of the Natural Resources, Energy & Science Authority	5

Table I

Local Grants sponsored by NARESA - 1985	30
The status of Medical & Veterinary Sciences Research Grants during 1985	31
The status of Biological Sciences Research Grants during 1985	40
The status of Physical & Engineering Research Grants during 1985	49
The status of Research Grants in Social Science Research during 1985	52
The Status of Chemical Sciences Research Grants during 1985	65
Agriculture & Animal Husbandary The status of Research Grants during 1985	74
CIDA Fertilizer Grants	80
The status of other Research Grants	
1. Man & Biosphere	85
2. Natural Resources	86
3. Inland Fisheries	87
4. Energy	88
5. Salvinia	89
6. NARESA, SAREC Water Buffalo Research Programme	90

Table II

Participation at Conferences, Seminars & Workshops overseas during 1985 on the nomination of NARESA	92
-----------------------------------------------------------------------------------------------------	----

Financial Statement

Balance Sheet	97
Income & Expenditure Account	100
Auditor General's Report	112
Observation on the Auditor General's Report	120

Natural Resources, Energy and
Science Authority of Sri Lanka,
47/5, Maitland Place,
Colombo 7.
15-05-87.

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 1985

In terms of Section 16(III) 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 1985 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 - 1985

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

Board Members from 1st January 1985 - 31st May 1985

Dr R.P. Jayewardene (Director-General, NARESA)
Mr Lyn de Alwis
Dr (Mrs) Nalini de Alwis
Mr U.G. Bulumulle
Dr D.B. Dhanapala
Dr M.M.J.W. Herath
Dr Mohan Munasinghe
Mr V.R. Nanayakkara
Dr K.K.Y.W. Perera
Dr O.S. Peries
Dr (Mrs) Perlyn Pereira

Board Members from 1st June 1985

Dr R.P. Jayewardene (Director-General, NARESA)
Prof. S. T. Fernando
Dr Irwin Gunawardene
Mr M. Faiz Mohideen
Prof. (Mrs.) W.P.D. Pereira
Prof. K.K.Y.W. Perera
Prof. (Mrs) N. Ratnasiri
Mr L.K. Seneviratne
Mr L.C.A. de S. Wijesinghe (Addl Director-General, NARESA)
Prof. S. Balasubramaniam (up to 30th September 1985)

Dr Mohan Munasinghe (up to 30th September 1985)
 Dr R.L. de Silva (from 1st December 1985)
 Prof. T.E.J. de Fonseka (from 1st December 1985)

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. Hon# (Cey.)

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

Asst Director (Publications)

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

Scientific Officers

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

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

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

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

Asst. Administrative Secretary

Mr M.A.P. Mudanayake

Staff Assistants

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

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

Mr R.M.W. Amaradasa - B.Sc (Cey)

Mr W.D.S. Danthanarayana - B.SC (Cey)

Miss H.A.U. Amarasinghe - B.Sc (Cey)

Mr J.S. Premawardena - B.Sc (Cey)

Mr I.W.A.R. Amarasena - B.Sc (Cey)

Asst.Accountants

Miss T. Ranasinghe

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

Reprographic Technician

Mr S.R.U. de Silva

Establishment Assistant

Mr S. Galketiya

1.0 BOARD ACTIVITIES

1.1.0 Eleven Authority meetings were held during 1985.

New Authority was appointed with effect from 1st June 1985.

1.1.1 The Authority submitted memoranda to the Presidential Secretariat on :

- (a) The National Telecommunication System,
- (b) Science Policy covering the issues
 - 1) special allowances to scientists,
 - 2) additional allowance to Heads of Technical Departments,
 - 3) foreign experts,
 - 4) housing for scientists,
- (c) Adulteration of Food and the use of Noxious Substances in the Preparation of Food and Beverages,
- (d) Animal Quarantine Regulations and Procedures,
- (e) Felling of Forests in the Upper Montane Region.

1.1.2 Authority approved the following :

- (a) Scheme for making awards to scientists for research work of outstanding merit,
- (b) Supplementary list of research grants for funding in 1985,
- (c) Six proposals for collaboration work with the United States on the US - Sri Lanka agreement for co-operation on S & T,
- (d) A total of 40 research grants which were examined and proposed by different Working Committees.

- 1.1.3 Special Committee was appointed to examine the nominations for the Presidential Award for Science.

2.1 WORKING COMMITTEE ON SCIENCE EDUCATION

- 2.1.1 Six meetings were held during this period.
- 2.1.2 The Committee recommended two grants for the year.

2.1.3 Presentation of Science Education Awards

Presentation of National Awards for distinction in the "Teaching and Learning of Science" in the secondary school level was held on 10th May 1985 at NARESA Auditorium. Hon. Ranil Wickremasinghe, Minister of Education presented the following awards:

Teacher award - Mr U.A. Weerasinghe
 Student awards - Mr N.J. Gunawardena
 Mr M. Thirumal

2.1.4 Supplementary Reading Material in Science

The manuscripts on four Supplementary Reading Material were approved.

2.2 WORKING COMMITTEE ON SOCIAL SCIENCE

- 2.2.1 Eight meetings were held during 1985. NARESA funded 41 social science research projects. Another 6 projects were funded by Swedish Agency for Research Co-operation (SAREC).

2.2.2 Resignation of Prof. G.H. Peris

Prof. G.H. Peris resigned from the membership of the Working Committee with effect from 10 January 1985.

2.2.3 Publications

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

Paper titled 'Youth in Asia: Problems and Perspectives, Sri Lankan Situation' was read at the 6th AASREC General Conference held in Indonesia from 2-7 September 1985. The paper was prepared by Mr C. Ratwatte at the request of the Committee.

2.2.4 Seminars

- a) NARESA organized two seminars 'Archaeology - Past, Present and Future' held on 8th April 1985
- b) 'Role of the Judiciary in the Protection of Fundamental Rights' in Sri Lanka held on 7th May 1985 in the Auditorium of NARESA.

2.3 WORKING COMMITTEE ON AGRICULTURE

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

2.3.2 Seminars

A seminar for all the Grantees and Research Assistants of the Potash Fertilizer research project

funded by the Canadian International Development Agency (CIDA) was held on 22 February 1985. Prof. R.J. Soper, the CIDA consultant was present at the seminar. Progress of the project was reviewed by the Working Committee in December.

2.4 WORKING COMMITTEE ON BIOLOGICAL SCIENCES

2.4.1 Nine meetings were held during 1985 and the position of grants is given in Table 1.

2.4.2 Directory of Dissertations and Theses

The copies of the Directory of Dissertations and Theses were distributed among the members of the Working Committees, Universities, Libraries and other Research Institutions.

2.5 WORKING COMMITTEE ON CHEMICAL SCIENCES

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

2.5.2 Other activities

A seminar on 'Methods of Chemical Analysis in Research' was held on 22 November 1985 at NARESA. Seven papers were presented at the seminar.

2.6 WORKING COMMITTEE ON MEDICAL & VETERINARY SCIENCES

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

2.7 WORKING COMMITTEE ON PHYSICAL & ENGINEERING SCIENCES

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

2.8 WORKING COMMITTEE ON NATURAL RESOURCES

2.8.1 Five meetings were held during this period. The manuscript on '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 for editing.

2.8.3 The Committee made a visit to Ginigathena to study the performance of Pine and Eucalyptus plantations in the area.

2.8.4 Committee Studies

The Committee made a study on the 'Felling of Forests in the Upper Montane Region' (area above 5000 ft from the sea level) and submitted a memorandum to the Presidential Secretariat.

The preparation of manuscripts on 'Natural Resources' is in progress.

The Committee decided to assist the Ministry of Agricultural Development and Research in carrying out reorganized activities in the Royal Botanical Gardens at Peradeniya.

The Committee approved a project on 'Collection and Presentation of Marine Algae from Deep Sea Waters'

to be carried out by Dr M.W.R.W. de Silva of the National Aquatic Resources Agency.

2.9 WORKING COMMITTEE ON ENERGY

2.9.1 Six meetings were held during 1985.

2.9.2 National Energy Policy

National Energy Policy Guidelines drafted by the Working Committee and ratified by the Authority were submitted to His Excellency the President. His Excellency approved the guidelines and requested that publicity be given to them in the private and public sectors. These guidelines were circulated to Ministries, Departments and Corporations dealing with the supply and/or use of energy. The copies were also circulated to private industries and the news media.

2.9.3 Demonstration of Fuelwood Cookers

A Fuelwood Strategy and Action Programme for Sri Lanka, which was drafted at the workshop held in Bangkok, and attended by the representatives of NARESA, CEB, and the Ministry of Lands and Land Development was accepted by the Working Committee. The Ministries of Power and Energy, Lands and Land Development, and Industries and Scientific Affairs also ratified the statement.

2.9.4 Geo Thermal Resources

The Working Committee recommended that a 'Survey of Geo Thermal Resources' be carried out by Japanese

experts in collaboration with the local experts. In this regard, a proposal was drafted by the Department of Geological Survey and it was ratified by the Committee and forwarded to the Director, External Resources. The local counterpart agency for the implementation of the proposal will be the Department of Geological Survey, and assistance will be given by the Government of Japan.

2.9.5 Proposal on New and Renewable Source of Energy

Stage I of the project on the Experimental and Field Evaluation of an Improved Fuel wood Cooker undertaken by the Industrial Development Board and supported by NARESA was completed.

2.9.6 Grants

A grant was awarded to Mr B. P. Sepalage, Chief Engineer, Energy Unit, Ceylon Electricity Board to carry out a Socio-Economic and Energy Survey in the village Watinapaha, in the Gampaha District. The study was completed and the report is awaited.

2.9.7 Oil Production Plants

A study on yields of oil from Jatropha curcas (Rata Endaru) and the possibility of using the oil as an illuminant is in progress. A trial to study the feasibility of raising Jatropha curcas plantations for the production of oil will be set-up by Dr Vivekanandan of the Forest Department in two different sites. Nursery plants are being raised.

2.9.8 Biogas Extension Programme in Sri Lanka

A study of the Biogas Extension Programme in Sri Lanka carried out by Mr L.C.A. de S. Wijesinghe with the assistance of Mr J.A. Chandrasiri (Staff Assistant) was completed, and the report was presented to the Working Committee.

2.9.9 Field Evaluation of Wood-Stoves

A sub-committee appointed by the Working Committee has drawn up a proposal for carrying out a field evaluation of the CISIR, IDB and CEB domestic wood-stoves suitable for urban and semi-urban households.

3.0 OTHER COMMITTEES AND STUDY GROUPS1985- 3.1 National Committee on Man & Biosphere (MAB) Research Programme

3.1.1 Eight meetings were held during this period.

3.1.2 A seminar on Endangered Species in Sri Lanka, organized by the MAB National Committee, was held during the early part of the year. Recommendations were made at the seminar regarding conservation measures to be implemented and these were submitted to His Excellency the President.

3.1.3 Field Station

Funds have been allocated to build a Research Station at the Hurulu Reserve.

3.1.4 Botanical Survey

The Committee proposed to initiate a Botanical Survey with NARESA funds.

3.1.5 The MAB Committee has decided to make arrangements to host a UNESCO sponsored regional workshop on 'Tropical Forest Ecosystems' in 1987. Dr K. Ogino visited Sri Lanka to assist the Committee to organise the seminar. The programme has been finalized.

3.1.6 Funds for the project proposal made by the Committee on Integrated Land Use and Utilization of Resources in Mahawewa, Pannala Microcatchment was awarded (US \$ 7000) by UNESCO.

3.1.7 Funds were allocated to carry out repairs to the field station at Sinharaja.

3.1.8 Other activities

Workshop on 'Use of Statistics in Research' was held on 20th July 1985 for Research Assistants working under NARESA grants.

4.0 FOREIGN GRANTS FOR RESEARCH

4.1 US-AID Programme

Nine preproposals received were submitted to the US AID Office to be forwarded to Washington. These grants were awarded during the year.

4.2

Visit of SAREC Delegation

Two officials from SAREC visited Sri Lanka from 28th October to 8th November 1985 for discussions on continued support for research. The delegation held meetings and discussions with NARESA staff, scientists, and sociologists who may wish to receive SAREC funding. They also participated at two mid term progress review seminars on 'Research on Inland Fishery' at the Ruhuna University and 'Buffalo Research' at the Peradeniya University.

Project proposals were invited for new areas of research and also for the continuation of the existing projects for the 1986-1987 biennium. A summary Progress Review of the programme for 1984 was prepared and despatched to SAREC for their information.

The Research and Advisory Committee appointed a sub-committee to negotiate with the National Livestock Development Board (NLDB) and the Mahaweli Authority for the lease of a suitable land to establish the proposed Buffalo Research Farm. This Committee, after examining several sites, recommended that Narangalla Estate in Kuliypitiya belonging to NLDB could be considered for further negotiations.

Later it was agreed that NARESA should enter into an agreement with NLDB for the establishment of a Research Farm at Narangalla Estate. Finally, on 30th September 1985, following joint consultations between NARESA and NLDB, the Agreement was signed and formalized.

The SAREC delegation visited the Narangalla Estate and participated in a meeting of the Advisory Committee to discuss and agree on the programme of work for the biennium 86/87. Rs.200,000/= was approved for Phase I of the development of the Narangalla Station.

4.4 SAREC Grants

Ten projects were submitted and recommended for SAREC funding during 1986/1987.

4.5 NARESA-SAREC Zoological Survey of Sri Lanka

A meeting of the Advisory Committee was held on 8th February 1985. The Scientific Co-ordinator Prof. H. Cruz visited the Indian Zoological Survey Department in Calcutta in February this year as part of the planning process for the Zoological Survey of Sri Lanka.

Prof. H. Cruz visited Sweden from 16-26 June 1985. The purpose of this visit was for consultation and study of methods used in Sweden for Zoological Surveys.

4.6 Inland Fisheries Research Programme

The Chief Investigator of the Swedish Inland Fisheries Research team Dr L. Nyman was in Sri Lanka from 18-23 March 1985 for discussions with Prof. S.S. de Silva on the revised time table for the implementation of Inland Fisheries Research Programme. With the release of funds for the 2nd

year, and the amalgamation of the two projects in this programme, field operations began in October. A revised action programme was formulated. This new programme was submitted to SAREC for the release of funds.

5.0 NATIONAL MANGROVE COMMITTEE (NATMANCOM)

The National Mangrove Committee was transferred to NARESA at the request of the UNESCO National Commission.

5.1 Three meetings were held during this period.

5.2 The UNESCO sponsored Regional project on Mangrove Ecosystem - Phase I funded a research for Assessment of the Mangrove Status along the West Coast of Sri Lanka. The activities carried out under this project were :-

- (1) Inventory and distribution of existing mangroves in the project areas;
- (2) Socio-economic survey of selected locations in the project areas;
- (3) Studies in mangrove community structure and condition in selected locations in the project area.

5.3 Mangrove Project

Phase I of the mangrove project was carried out satisfactorily during the year.

5.4 A Sub-Committee to Recommend the Protection of Mangrove Habitats

A sub-committee was appointed to advise on the

mechanisms of protecting mangroves. The Committee has taken action to find out the extent of damage to the mangrove habitats and the mechanism to conserve mangrove areas.

5.5 Mangrove Postage Stamp

The Committee decided to issue a special postage stamp on mangroves, and Mr Sumanasekera Banda of UNESCO National Commission has made arrangements to issue a Mangrove postage Stamp during 1986.

5.6 Workshops, Seminars and Training Programmes

Ten scientists were trained on mangrove research under the UNESCO Regional Programme as given in Table 2.

5.7 Film on Mangroves

NARESA prepared a video film on Mangrove Ecosystem which was telecast during the Science and Technology Week from 23 - 29 September 1985.

5.8 Posters on Mangroves

NARESA prepared two posters on Mangrove Ecosystem under the following themes:-

What is Mangrove Ecosystem?
Role of Mangrove Ecosystem.

6.0 INTERNATIONAL YOUTH YEAR (IYY) PROGRAMME

On a request by the Presidential Secretariat, NARESA organized

the following activities in connection with the International Youth Year and declared a Science and Technology Week from 23 - 29 September 1985.

- (a) Eighteen posters on 6 different science themes in Sinhala, English and Tamil were prepared :-
- 1) What is Mangrove Ecosystem?
 - 2) Role of Mangrove Ecosystem
 - 3) Endangered National Heritage - Coral Reefs
 - 4) Marine Ecosystem - Conservation and Development
 - 5) Found No Where Else in the World - except in Sri Lanka
 - 6) Shrinking Natural Habitats in Sri Lanka.
- b) Three video films on Science and Technology were prepared with the assistance of NYSCO Video Unit of the Ministry of Youth Affairs and Employment on the following :-
- 1) Sinharaja - The National Heritage,
 - 2) Mangrove Ecosystem and
 - 3) Environment, Man, and Industrialization.
- These films were telecast by Rupavahini Corporation.
- c) A Central Exhibition on Science and Technology was organised from 27th to 29th September 1985 with the assistance of the University of Colombo, Sri Lanka. The exhibition was declared open by the Swedish Ambassador, Mr Jarl Tranaeus. 65 Institutions and 10 schools participated at the exhibition and displayed a variety of science and technology displays. The exhibition was attended by a large number of school children and the general public.

7.0 THE COMMITTEE TO STUDY R & D INSTITUTIONS

A Committee to study the constraints of (i) finance (ii) manpower and (iii) equipment that hampers R & D institutions to achieve their objectives, was appointed by the Authority. The Committee decided to study, the institutions on Industries, Agriculture and Health Sectors. The Committee prepared a questionnaire to study the problem of Science and Technology Institutions and made subsequent visits to these institutions.

A report is under preparation.

8.0 South Asian Association for Regional Co-operation (SAARC)

From August 1985 Sri Lanka assumed the Chairmanship of the Science and Technology Committee under the SAARC Programme. The first meeting of the Committee under Sri Lanka's chairmanship was held at NARESA in October 1985. A programme of work for the ensuing biennium (1986/87) was drawn up at this meeting.

9.0 9.1 WORKING COMMITTEE ON SCIENTIFIC & TECHNICAL INFORMATION (Sri Lanka National UNISIST Committee)

Four meetings of the Committee were held during 1985. Research proposals in the field of Library and Information Sciences were considered by the Committee for granting awards.

9.2 Co-ordination

9.2.1 Sri Lanka Scientific & Technical Information Network (SLSTINET)

The total number of libraries participating

in the Network was increased to 95. A meeting of the SLSTINET Librarians was held on 15 November 1985. 49 Librarians participated in this meeting. Co-operative Programmes and activities of the sub-systems were reviewed at the meeting. A sub-committee was appointed to revise the Co-operative Acquisition Plans (CAP).

9.2.2 Agricultural Information Network (AGRINET)

24 Librarians participated in this Network. AGRINET Librarians met twice during the year on 24-05-85 and 02-08-85. Contents page, dissemination service, Co-operative Acquisition, Plan for Agricultural periodicals, AGRINET User Survey were the main items discussed at the meetings.

9.2.3 Renewable Energy Information Network (RERINET)

10 Librarians participated in this Network. A meeting of the Network Librarians was held on 01-02-85. It was decided to compile a Current Contents Bulletin incorporating contents pages of renewable energy journals available in the Network Libraries.

9.2.4 Health Science Library Literature and Information Services (HELLIS)

SLSTIC continued to assist in HELLIS activities which were co-ordinated by the Ministry of Health. 5 meetings of the

Network were held during 1985. A national training course in Health Science librarianship was held at NARESA from 28 January to 1 February 1985.

9.2.5 Programme on Exchange and Transfer of Information on Community Water Supply and Sanitation (POETRI)

This Network was initiated by the National Water Supply and Drainage Board which acted as the focal point. A meeting to inaugurate the Network was held at NWSDB on 09-04-85. SLSTIC provided assistance to draw up a project proposal to obtain funds from IDRC to operate the POETRI Network.

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

The Authority served as the focal point of RINSCA which was co-ordinated by the Regional Office of S & T for South and Central Asia (ROSTCA). Sri Lanka participated in the RINSCA programmes during 1985 as given in Table 2.

9.2.7 Regional Network of the Exchange of Information and Experience in Science & Technology (ASTINFO)

The Authority served as the focal point of ASTINFO. Sri Lanka participated in the ASTINFO Programmes during 1985 as given in Table 2.

9.2.8 National Technical Information Service (NTIS)

The Authority served as the Co-ordinating Centre for the Acquisition and distribution of information service products of NTIS, an Agency of the US Dept. of Commerce.

9.2.9 Commonwealth Regional Renewable Energy Resources Information System (CRRERIS)

The Authority served as the National Liaison Centre of CRRERIS which was organized by the Commonwealth Scientific and Industrial Research Organization, Australia. The Director General of the Authority attended the Third CRRERIS Heads of Liaison Centre Meeting held in Melbourne, from 16-17 November 1985. A collection of CRRERIS documents in microfiche was received from CRRERIS.

9.3

Co-operative Programmes

9.3.1 Union Catalogue of Scientific & Technical Books (UNICAST)

Compilation of computerized Union Catalogue (UNICAST) was continued with the co-operation of 41 libraries. Compilation of bibliographies and accession lists, and preparation of catalogue cards were offered to the participating libraries. During the period under review 2924 entries were received for UNICAST.

9.3.2 Union Lists of Scientific & Technical Books
(UNILISTS)

Data entry of 4491 titles were completed. Print outs of holdings of each library were obtained.

9.3.3 Co-operative Acquisition Plan (CAP)

An Acquisition Plan to purchase important abstracting & indexing journals was worked out. A sub-committee was appointed by the SLSTINET Librarians to revise the plans for 1986.

9.3.4 Selective Dissemination of Contents Page
Service (SDCP)

Selective Dissemination of Contents Page Service was organized with the assistance of 24 agricultural periodicals among 290 scientists.

9.4 Education and Training

9.4.1 SLSTIC Education and Training Programmes
(STEP 30)
Seminar on US Scientific and Technical
Information Sources :

The above Seminar was held on 14th August 1985 at the NARESA Auditorium. Miss Amy Lee, Regional Library Consultant of US Information Service libraries was the key

speaker. 75 Librarians participating in SLSTINET attended the Seminar. Mr L.C.A. de S. Wijesinghe, Additional Director General presided.

9.4.2 Training Services

Library personnel from the Department of Agriculture and from the Ministry of Power and Energy, and a batch of library students of the Sri Lanka Library Association were provided in-service training at SLSTIC.

9.4.3 Lectures

Mr N.U. Yapa, Director Information delivered a lecture on UNICAST, the first bibliographic data base in Sri Lanka on 5th January 1985 at the 5th National Computer Seminar organized by the Computer Society of Sri Lanka.

Mr N.U. Yapa delivered a lecture on the "Impact of New Information Media" at the Workshop on Library Education organized by the Sri Lanka Library Services Board on 02-12-85.

10.0 Information and Documentation Services

10.1 National Scientific Reports Depository

The National Scientific Reports Depository had been organized to collect published and

unpublished local reports. 173 reports were added to the collection during the period under review.

10.2 Inter-Library Loans

101 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.

10.3 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 the year under review SLSI Vol. 6 Nos. 1/4 and Vol. 7, Nos. 1/2 were published.

11.0 Technical Services

11.1 Photocopying Service

3645 official and 285 personal requests for photocopies were satisfied. 151,852 impressions were obtained. Total income from personal requests was Rs.13,848. Outside sources (local & foreign) were contacted to satisfy photocopying requests when originals were not available at SLSTIC; 68 requests were satisfied through local and foreign supplies during 1985.

11.2 NTIS Reports Procurement Service

NTIS withdrew subsidized prices from the Developing Countries in the Asian Region which resulted escalation of cost of NTIS products. 17 reports were procured at a cost of Rs.7,260.

11.3 Microfiche Service

144 masterfiche and 1548 diazo fiche were prepared during 1985. Rs.22,105 was earned from microfiche services.

11.4 Office Printing (RICOH)

140 printing jobs for 179,780 impressions were executed.

11.5 Offset Printing (Heidleberg)

46 major printing jobs for 555,325 impressions were executed.

11.6 AV Services

AV equipment were provided for a programme organized by the Authority. Rs.3,850/= was earned by hiring out AV equipment to scientific organizations.

11.7 Computer Services

Creation and expansion of computerized data

bases, viz., UNICAST, SISI and UNILIST were continued. Camera ready copies of data base products were obtained. Special programmes were developed to create a data base for Selective Dissemination of Contents Pages, to print "Unicast access: Peoples' Bank" and to compile "Unicast Selects: energy".

12.0 Publications

12.1 Journal of the National Science Council

Editing and Publishing of Volumes 11 Nos. (1 & 2) were completed at Aitken Spence & Co.

Editing of Vol. 12 Nos. (1 & 2) were completed and the scripts handed over for printing to Aitken Spence in June 1985.

A Meeting of the Editorial Committee was held on 29th November 1985.

No. of scripts received for 1985 was 36.

12.2 Vidurava - Science News Bulletin

The following issues of Vidurava were completed in 1985 :

Vol.7 (1) "Computers and Information Management" (English)

Vol.8 (1) "Biological Control" (English)

Vol.6 (2) "Man & the Biosphere" (Sinhala)

Vol.7 (1) "Computers & Information Management" (Sinhala)

Compilation of Vol.8 (1) "Mangroves"

12.3 SLSTINET Newsletter

Two issues of the SLSTINET Newsletter were printed

Vol.5 No.1 April 1985

Vol.5 No.2 November 1985

12.4 Survey of Scientific and Technical Journal Publishing Activities

A survey of local S & T journal publishing activities was carried out. The report on the survey is currently being completed.

12.5 Participation at Workshop

The participation at Workshops is given in Table 2.

13.0 Administration

13.1 The Conference Hall of the Authority was well patronised by several Scientific Institutions and brought in a fair amount of revenue to the Authority.

13.2 The permanent staff at the end of the period under review totalled 95.

13.3 The number of Research Assistantships awarded in 1985 was 62 while the number of Technical Assistantships awarded was 32.

The number of casual employees who worked on Research Grants was 01.

Table 1. LOCAL GRANTS SPONSORED BY MAHESA - 1985

Field Position re. grants	Agriculture & Animal Husbandry	Biological Sciences	Chemical Sciences	Medical & Vet. Sciences	Physical & Engineering Sciences	Social Sciences
No. of functional grants	16	40	30	27	08	32
No. of applications received for 1986	13	17	19	11	08	16
Amt. requested by applicants for 1986	Rs. 1468445/-	Rs. 898997/-	Rs. 1769750/-	Rs. 981070/-	Rs. 1982070/-	Rs. 246908/-
No. of grants awarded in 1985	05	13	15	13	05	09
Sum allocated during 1985	Rs. 331370/-	Rs. 375536/-	Rs. 772,330/-	Rs. 744510/-	Rs. 389150/-	Rs. 47203/-
No. of grants completed	05	06	11	11	-	12
No. of grants withdrawn	-	01	-	01	-	02
No. of grants terminated	-	-	-	01	-	02
Copies of thesis (P.U.) received	-	04	03	01	02	07
No. of registered for P.U. training during 1985	-	03	10	-	-	06
No. of RA's appointed during 1985	01	04	12	03	01	-

THE STATUS OF MEDICAL & VETERINARY SCIENCES
RESEARCH GRANTS DURING 1985

Year of award	Proposed duration	No. of grants in operation during 1985	Status of grants during 1985			
			Completed	Terminated	Withdrawn	On going
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1981	1 year	-	-	-	-	-
	2 years	2	2	-	-	-
	3 years	-	-	-	-	-
1982	1 year	1	-	-	-	1
	2 years	1	1	-	-	-
	3 years	1	-	-	-	1
1983	1 year	5	3	-	-	2
	2 years	5	3	-	-	2
	3 years	4	1	-	-	3
1984	1 year	4	1	-	-	3
	2 years	3	-	1	-	2
	3 years	1	-	-	-	1
1985	1 year	3	-	-	-	3
	2 years	8	-	-	1	7
	3 years	2	-	-	-	2

MEDICAL & VETERINARY SCIENCES

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts.	Status during 1985
RGB/81/34	Prof. P.A.J. Perera Dept. of Biochemistry Univ. 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	Completed
RGB/81/38	Dr. S. Mahalingam Dept. of Vet. Para-clinical Studies Univ. of Peradeniya Peradeniya.	Investigations into the viral aetiology of respiratory 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	Completed
RGB/82/27	Dr.(Mrs) N.V.I. Ratnatunga Dept. of Pathology Univ. 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 Univ. of Peradeniya Peradeniya.	A study into the feasibility of reconstructive arterial surgery in Sri Lankan patients.	1982	1 year	15859.00	On going
RGB/82/31	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	Completed

Ref No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Re: cts	Status during 1985
RG/83/29	Dr. E.H. Karunayake 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	On going
RG/83/30	Dr. A.T.W.P. Jayawardene 14, Albert Place Dehiwela. Dr. C.G. Uragoda. 385, Deans Road Colombo 10.	Measurements of Lung Function in Normal Sri Lankans.	1983	2 years	26000.00	On going (final report to be submitted)
RG/83/31	Dr. D.A. Sonnadara 148, Kynsey Road Colombo 8. Dr. E.H. Karunayake 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 theophyllin in Sri Lankan children.	1983	2 years	116800.00	Completed
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	Completed
RG/83/34	Prof. V. Basnayake Fac. of Medicine Univ. of Peradeniya Peradeniya.	Measurement of skin colour in Lankans.	1983	1 year	20000.00	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/83/35	Dr.(Mrs)M.C.P. Canagaratne Dept. 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 Dept. of Microbiology Faculty of Medicine Univ. of Peradeniya Peradeniya.	The role of viruses as aetiological agents in infantile diarrhoeal disease.	1983	1 year	50280.00	Completed
RG/83/39	Dr. M.N. Sivachelvan Fac. of Vet. Medicine Univ. of Peradeniya Peradeniya.	Histological, histochemical and carcass quality aspects of Toxocara (Neosascaris) vitulorum infection in rabbits and buffaloes.	1983	3 years	86200.00	Completed
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 Dept. of Zoology Univ. 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	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts.	Status during 1985
RG/83/75	Prof. N. Sreeharan Dr. K. Ranjadayalan Dept. of Medicine Univ. of Peradeniya Peradeniya.	The use of Momordica charantia (Bitter gourd) in Diabetes mellitus.	1983	1 year	10000.00	On going Final report to be submitted
RG/83/77	Dr. G.A.P. Ganegoda Dr. S.P. Gumaratne Veterinary Research Inst. Gannoruwa.	Evaluation of undecalcified Eppawala rock phosphate as a phosphorus supplement in diets for poultry and pigs.	1983	1 year	20050.00	Completed
RG/83/79	Prof. S.T. Fernando Department of Veterinary Para-clinical Studies Univ. 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/2	Dr. L.N.D. Abeygunawardene Health Education Bureau 2, Kynsey Road, Colombo 8.	A study of some factors influencing the high default rate among Leprosy patients in the health unit areas of Kalutara, Panadura and Moratuwa.	1984	1 year	22400.00	On going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts.	Status during 1985
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 Dept. of Parasitology Faculty of Medicine Kynsey Road Colombo 8.	Biology, Bionomics and population genetics in relation to 'possible' Anopheles culicifacies 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 Brugia Malayi infection in Sri Lanka.	1984	1 year	14000.00	Completed ✓
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 Mataara and Hambantota Districts.	1984	1 year	46500.00	On going ✓
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	On going ✓

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts.	Status during 1985
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	Terminated
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	On going
RG/85/M/01	Dr. Ravindra Fernando Dept. of Forensic Medicine Fac. of Medicine, Colombo 8.	A bibliography of publi- cations on legal medicine and forensic sciences.	1985	1 year	9500.00	On going.
RG/85/M/02	Prof. C. Sivagnanasundram Prof. N. Sreeharan Mrs. J. Jegatheesan Faculty of Medicine Univ. of Jaffna Jaffna.	Study of the demographic socio-economic and epidemio- logical features in relations to the state of health of the Brahmin community in Jaffna.	1985	1½ years	38000.00	On going.
RG/85/M/03	Miss. Sriyani Ekanayake Dept. of Parasitology Medical Research Inst. Colombo 8.	Studies on the prevalence of antibodies to <u>Toxoplasma</u> <u>gondii</u> among pregnant women in Sri Lanka.	1985	1 year	22762.00	On going.

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/85/M/04	Dr. Diyanath Samarasinghe Fac. of Medicine Univ. of Colombo.	Traditional therapists- Evaluation of present role and potential usefulness.	1985	2 years	71900.00	On going.
RG/85/M/05	Dr.(Mrs)M.C. Attapathu Medical Research Inst. Colombo 8.	Some aspects of pulmonary & systemic mycotic disease in Sri Lanka.	1985	2 years	98800.00	On going.
RG/85/M/06	Dr.(Mrs)T. Saravana- pavananthan Dept. of Pharmacology Univ. of Jaffna.	A study of the aetiology of urinary calculi.	1985	2 years	50000.00	On going.
RG/85/M/07	Dr. N.A. de S. Amaratunga Dental School Augusta Road Peradeniya. Dr.(Mrs) K. Karaliedde Dr. I.G. Premadasa Faculty of Medicine Univ. of Peradeniya.	A study of epidemiological, clinical and bacteriological aspects relevant to treatment of cleft lip and palate, and a feasibility study of a system of initial management of cleft lip and palate.	1985	2 years	77300.00	On going.
RG/85/M/08	Dr.(Mrs)G. Ponnampalam Medical Officer Maternity & Child Health Jaffna. Prof. C.Sivagnanasundram Faculty of Medicine Univ. of Jaffna Jaffna.	Study of infant mortality and still-births in the Jaffna Municipal area.	1985	1½ years	15000.00	On going.

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/85/N/09	Dr. K. Weerasuriya Mr. P.L.D.S. Perera Dept. of Pharmacology Faculty of Medicine Kynsey Road Colombo 8.	Pharmacokinetics and pharmacodynamics of propranolol in Sri Lankans'	1985	1 year	3000.00	On going.
RG/85/N/01	Dr.(Miss)P. Abeynayake Prof. S.T. Fernando Fac. of Vet. Sciences Fac. of Vet. Medicine Univ. of Peradeniya Peradeniya.	Effect of an anthelmintic (benzimidazole) on Toxocara vitulorum in buffalo calves	1985	3 years	58000.00	On going.
RG/85/N/02	Dr.(Miss) C.P. Kodikara Fac. of Vet. Medicine & Animal Sciences Univ. of Peradeniya Peradeniya.	A study of bacteriological quality of producer milk.	1985	2 years	44400.00	On going.
RG/85/N/03	Dr. W.W.H.S. Fernando Dr. B.D.R. Wijewardene Animal Virus Laboratory Polgolla.	The role of domesticated cattle, buffaloes and goats in the maintenance of foot and mouth disease virus in a carrier state in the endemic area in Sri Lanka.	1985	2 years	83048.00	Withdrawn.
RG/85/N/04	Prof.S.G.de S. Wettimuny Dept. of Veterinary Sciences Univ. of Peradeniya.	A study of Cerebrospinal nematodiasis in goats.	1985	3 years	172800.00	On going.

The Status of Biological Science Research Grants during 1985

Year of award	Proposed duration	No. of grants in operation during 1985	status of grants during 1985			
			Completed	Terminated	Withdrawn	Ongoing
1979	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1981	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	2	-	-	-	-
1982	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	5	2	-	-	-
1983	1 year	-	-	-	-	-
	2 years	5	1	-	-	4
	3 years	8	-	-	-	7
1984	1 year	2	1	-	-	1
	2 years	3	-	-	-	3
	3 years	6	-	1	-	5
1985	1 year	7	1	1	-	5
	2 years	1	-	-	-	1
	3 years	5	-	-	-	5

Biological Sciences

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
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	Completed
RGB/81/11	Dr. K. Chitravadivelu Dept. of Zoology Univ. of Jaffna Jaffna.	Biology and distribution of mullet (mugil species) and (Lethirinus species) and rabbit fish (siganus species) in the Jaffna lagoon and adjoining areas.	1981	3 years	72000.00	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	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1985
RGB/82/62	Prof. W. E. Ratnayake Dept. of Biological Sciences Univ. of Sri Jayewardenepura Nugegoda.	To study the genetic properties of <i>Culex pipiens fatigans</i> Wiedmann (<i>C. quinquefasciatus</i> , say) males for possible use in its control.	1982	3 years	128970.00	Final report to be submitted.
RG/83/6	Prof. M. A. Pemadasa Mr. P. S. M. Sirisena Dept. of Botany Univ. of Ruhuna Matara.	Taxonomy & Ecology of Kekandura 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	Terminated
RG/83/8	Dr. K. Jayaseelan Dept. of Biochemistry Univ. of Jaffna Jaffna.	Single cell proteins	1983	2 years	26200.00	On going
RG/83/11	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
RG/83/12	Prof. U. Coomarasamy Dept. of Botany Batticaloa Univ. College Vantharamoolai Chenkaladi.	Microbiological studies on the forest soils of the dry zone (Batticaloa district) of Sri Lanka.	1983	3 years	113460.00	On going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs. cts	Status during 1985
RG/83/13	Prof. M.D. Dasanayake Dr. I.A.U.N. Guratilleke 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 <i>Leucinoides orbanalis</i> (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 <i>Borrassus flabellifer</i> (Palmyrah) sap.	1983	2 years	47340.00	Completed.
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

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
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. Gunasekera Dept. of Botany Univ. of Kelaniya	Survey of fungi associated with water hyacinth in Sri Lanka with the view of utilising them as bio-control agents.	1983	3 years	65210.00	On going
RG/83/83	Dr.Neelakanthi Gunawardene 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 Jayewardenepura 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 Jayewardenepura Nugegoda.	Biology and the fishery of the pony fishes of the Bolgoda Lagoon, Sri Lanka	1984	3 years	70560.00	On going
RG/84/B/3	Prof.M.A. Pemadasa Mr.S.Hettiarachchi Department of Botany Ruhuna University College Matara.	Ecology of soil microfungi in the Kekanadura rain forest reserve.	1984	3 years	94500.00	On going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/84/B/4	Dr.(Miss)M.V.E.Attygalle Dept. of Zoology Univ. of Sri Jayewardenepura Nugegoda.	Study of the respiratory and circulatory physiology of catfish (<i>Clarias teyemanni</i> brachysoma) and <i>Macrobra-chium</i> .	1984	1 year	23532.00	Completed
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 <i>Evania appendigaster</i> and <i>Tetrastichus hegenowii</i> for the control of <i>Periplaneta americana</i> , the American cockroach.	1984	3 years	73870.00	On going
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 Pollonurua District.	1984	3 years	82023.00	On going
RG/84/B/8	Dr.J.P.N.R.Chandrasena Dept. 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 peaneid prawns in Negambo.	1984	2 years	32888.00	On going
RG/84/B/10	Mr.B.D.L. Joseph Mr.N.M.Moiyadeen NARA Drow Island Mattakkuliya.	The ecology of commercially exploitable <i>Holothuroides</i> 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

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts.	Status during 1985
RG/84/B/11	Mr. B. D. L. Jeseeph 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
RG/85/B/01	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 stage II Kalutara and Galle districts.	1985	1 year	21680.00	On going
RG/85/B/02	Dr. (Mrs) M. V. E. Attygalle Dept. of Zoology Univ. of Sri Jayewardenepura Nugegoda.	Study of blood physiologi- cal properties in five species of cultivated fish (3 Tilapia sp. common carp and grass carp).	1985	3 years	79700.00	On going
RG/85/B/03	Dr. A. B. Samarakoon Dept. of Botany Univ. of Colombo Colombo.	Salinity stress and plant growth, some studies on sea shore plants.	1985	1 year	17000.00	On going
RG/85/B/04	Prof. K. Theivendirajah Dept. of Botany Univ. of Jaffna Jaffna.	Cultivation of baker's yeast and fodder yeast in palmyrah palm sap and in sugar cane molasses.	1985	1 year	34300.00	On going
RG/85/B/05	Dr. J. Jinadasa Department of Zoology University of Sri Jayewar- denepura Nugegoda. Mrs. S. C. Jayamanne. NARA, Crow Island Mattakkuliya.	Bionomics of mud crab fishery in Negambo Lagoon.	1985	3 years	57900.00	On going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/85/B/06	Dr. G. F. Rajendram Department of Zoology University of Jaffna Jaffna.	Studies on the taxonomy, biology and distribution of the mosquito fauna (Diptera Culicidae) in Jaffna.	1985	3 years	98400.00	On going
RG/85/B/07	Prof. S. Balasubramaniam Department of Botany Dr. W. R. Breckenridge Dr. K. R. G. M. de Silva Department of Zoology Univ. of Peradeniya.	A general ecological survey of the mangroves of the Kala-Oya estuary and its neighbourhood.	1985	1 year	41380.00	Withdrawn
RG/85/B/08	Dr. A. H. M. Jayasuriya National Herbarium P.O. Box 15 Peradeniya.	Systematic investigation of the plant family discorea- ceae in Sri Lanka.	1985	1 year	45000.00	On going
RG/85/B/09	Dr. K. S. P. Kalpage. Antifilaria Campaign Hotel Road Mount Lavinia. Miss V. L. Gunatilaka SACEP 5, Amarasakara Mawatha Colombo 5.	A study of the mosquito fauna of the Sinharaja MAB reserve with special reference to their breeding biology.	1985	2 years	36457.00	On going
RG/85/B/10	Mr. C. D. R. A. Jayawardene Sri Lanka Standards Institute 53, Dharmapala Mawatha Colombo 3.	Development of reference standards for microscopical examination of chilli and turmeric powder.	1985	1 year	13600.00	Completed

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/85/B/11	Dr.S. Kandiah Dept. of Botany Univ. of Jaffna Jaffna.	Evaluation and establishment of advanced propagation and cultural techniques for fruit tree selections from Sri Lanka.	1985	3 years	132800.00	On going
RG/85/B/12	Dr.K.H.G.M. de Silva Dept. of Zoology Univ. of Peradeniya Peradeniya.	Pond culture of snake heads (Ophiocephalus spp.)	1985	3 years	70000.00	On going
RG/85/B/13	Dr. R.L.C.Wijesundera Dept. of Botany Univ. of Colombo Colombo.	Studies on Colletotrichum leaf diseases in Rubber.	1985	1 year	12500.00	On going

The Status of Physical & Engineering Research Grants during 1985

Year of Award	Proposed durations	No of grants in operation during 1985	Status of grants during 1985			
			Completed	Terminated	Withdrawn	On going
1983	1 year	1	-	-	-	1
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1984	1 year	1	-	-	-	1
	2 years	1	-	-	-	1
	3 years	-	-	-	-	-
1985	1 year	3	-	-	-	3
	2 years	2	-	-	-	2
	3 years	-	-	-	-	-

PHYSICAL & ENGINEERING SCIENCES

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/83/81	Dr. K.T.L. de Silva Dr. T.R. Ariyaratne Dept. of Physics Univ. of Colombo	Photoelectrochemical 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 Description Mass Spectroscopy.	1984	1 year	45000.00	On going
RG/84/E/2	Dr. L.N. Pussegoda Dept. of Mechanical Engineering Univ. of Peradeniya.	Effect of the mode of prior deformation on the subsequent mechanical properties of two-phase metals (Continuation of work done under RG/82/35)	1984	2 years	10710.00	On going
RG/85/P/01	Prof. O.W. Jayaratne Department of Physics Univ. of Colombo Colombo.	Some aspects of atmospheric electricity in Sri Lanka (a) Diurnal and annual variations of earth's vertical electric field (b) the 'sunrise effect' (c) possible correlations with plant growth.	1985	2 years	42405.00	On going
RG/85/P/02	Dr.K.T.L. de Silva Dr.T.R. Ariyaratne Dept. of Physics Univ. of Colombo.	Photoelectrochemical solar energy conversion	1985	1 year	31500.00	On going

Ref. No.	Name & Institution	Project Title	Year of Award	Duration	Initial Financial Allocation Rs: cts	Status during 1985
RG/85/E/01	Dr. C. Kariyawasam Dept. of Civil Engineering Univ. of Moratuwa.	Evaluation of hydropower potential in existing irrigation schemes in Sri Lanka.	1985	1 year	6075.00	On going
RG/85/E/02	Mr. W.W.K.L. Mendis Mr. S.E.G. Jayamaha C.C.C. (E) Ltd P.O. Box 1191 Colombo.	Automation of the TRI-CCC fluid bed tea drier.	1985	2 years	163760.00	On going
RG/85/E/03	Mr. N. Jayawardene 51, Sri Dammadara Mw. Ratmalana.	Access-Mobility as a locational factor in industrial location with special reference to the Colombo Urban Area and the Area of Authority of the Greater Colombo Economic Commission.	1985	1 year	61000.00	On going

THE STATUS OF RESEARCH GRANTS IN SOCIAL SCIENCE RESEARCH DURING 1985

Year of Award	Proposed Duration	No. of grants in operation during 1985	Status of grants during 1985			
			Completed	Terminated	Withdrawn	Ongoing
1980	1 yr.	1	1	-	-	-
	2 yrs.	-	-	-	-	
1981	1 yr.	-	-	-	-	
	2 yrs.	-	-	-	-	
1982	1 yr.	1	-	-	1	
	2 yrs.	1	-	-	-	
1983	1 yr.	10	7	2	1	
	2 yrs.	2	-	-	2	
1984 RG grants	3 months	1	-	-	-	
	1 yr.	14	2	-	12	
	2 yrs.	1	-	-	1	
1984 SAREC grants	1 yr.	4	1	-	-	
	2 yrs.	3	-	-	3	
	2½ yrs.	1	-	1	-	
1985	1 yr.	5	-	-	5	
	1½ yrs.	1	-	-	1	
	2 yrs.	3	-	-	3	

SOCIAL SCIENCE RESEARCH GRANTS DURING 1985

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
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	Completed
RGB/82/44	Mr. U.H. Palihakkara 14, Visaka Road Colombo 4.	"Resource Allocation in Health Administration - Mainly Financial"	1982	1 year	Rs. 4000.00	Ongoing
RGB/82/45	Prof. V.K. Samaranyake Statistical Unit Faculty of Science University of Colombo Colombo.	"Investigation of Predic- tors of University Perfor- mance"	1982	2 years	Rs. 96827.12	Completed
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	Terminated
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	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RG/83/50	Mr. A.A. Navaratne 27, Beragala 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	Completed thesis due
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 handi- capped 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 organiza- tional changes of the tea indus- try in Sri Lanka 1970 - 1980"	1983	1 year	Rs. 3500.00	Completed
RG/83/53	Mrs. M.B.S. Fonseka Siyabalagoda Polgasovita. M. Phil Student Fac. of Education Univ. of Colombo	"An evaluation of the manner in which the senior secondary commerce syllabus is implemented in Sri Lanka" (in Sinhala)	1983	1 year	Rs. 2200.00	Completed

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RG/83/55	Mrs. K.A.K.P. Kodikara 139, Highlevel Rd., Godegama Homagama. M. Phil Student Fac. of Education Univ. of Colombo	"A study based on one agricultural district, into whether the agricultural education provided by the non-formal educational opportunities in Sri Lanka, contributes to the progress of the paddy cultivation in the country" (in Sinhala)	1983	1 year	Rs. 2950.00	Completed
RG/83/56	Mrs. K.G.K.R. Somalatha Manike 'Sanda Kelum' Ellaḡava. M. Phil Student Fac. of Education Univ. of Colombo	"An investigative study into the institutionalized educational and social adaptation programmes conducted for delinquent children in Sri Lanka" (in Sinhala)	1983	1 year	Rs. 2950.00	Completed
RG/83/57	Mrs. G. I. Perera 585, Jayanthi Nawatha Sinharamulla Kelaniya. M. Phil Student Fac. of Education Univ. of Colombo	"A study into the influence of educational facilities on the educational achievements of senior secondary level students based on schools in a few selected districts" (in Sinhala)	1983	1 year	Rs. 2000.00	Completed
RG/83/58	Mrs. C. Welgama 35, Egodahenawatta Mampe Piliyandala. M. Phil Student Fac. of Education Univ. of Colombo	"A study for the quantification of the influence of school games on educational achievements" (in Sinhala)	1983	1 year	Rs. 1600.00	Completed

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RG/83/59	Mrs. D.R.. Wijesinghe Musaeus Training College Kalutara. M. Phil Student Fac. of Education Univ. of Colombo	"An investigative study of the agricultural science curriculum in Junior Seconda- ry Schools in Sri Lanka, based on the Kalutara Educational District" (in Sinhala)	1983	1 year	Rs. 2500.00	Terminated
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" (in Sinhala)	1983	2 years	Rs. 12930.00	Ongoing
RG/84/SS/2	Mrs. A.R.P. Gunawardene 70, Jambasmulla Rd., Nugegoda. (Post-graduate Student- Education Univ. of Colombo)	"A critical study of the non- formal educational activi- ties of the Sarvodaya Movement in some selected village 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. University of Colombo)	"Arts education curriculum in the universities of Sri Lanka: its reorganization & inno- vations"	1984	2 years	Rs. 1500.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RG/84/SS/4	Mr. K.M. Abeyratne 29, Primrose Garden Kandy. (M.A. Student-Education Univ. of Colombo)	"Some educational concepts found in Visuddhi Magga"	1984	1 year	Rs. 1500.00	Completed
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 feasibilities of the villages under minor tanks in Sri Lanka"	1984	1 year	Rs. 3500.00	Ongoing
RG/84/SS/6	Mrs. Himali Manigapura 5/21, Sulaiman Terrace Colombo 5. (U. Phil Student-Edu. Univ. of Colombo)	"An evaluation of the voca- tional training programme of Sri Lanka as an educa- tional programme for the effective utilization of human resources pertinently and as required" (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/7	Mr. S.R. Hettihewa 'Hevana' Raigamtuduwa Bandaragama. (U. Phil Student-Edu. Univ. of Colombo)	"An investigative study of the nature of the informal education imparted to youth by youth societies in Sri Lanka" (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing

Ref.No.	Name & Institution.	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/8	Mrs. K.P.K.Wimaladharma 'Swasthika' Asgiriya Gampaha. (M.Phil. student-Edu. Univ. of Colombo)	A study of the wastage of human resources in the field of education in Sri Lanka and strategy for its prevention; with special reference to the district of Anuradhapura. (in Sinhala)	1984	1 year	Rs. 3000.00	Ongoing
RG/84/SS/9	Mr. P.M.U. Pathiraja Walaawatta Kudagalgamuwa Kurunegala. (M.Phil. student-Edu. Univ. of Colombo)	An analytical study of the vocational educational segment in the syllabus of the training courses (Sinhala medium) in the teacher training colleges in Sri Lanka (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/10	Mr. W.Dickson Fernando Lecturer Govt. Teachers College Dambadeniya (M.Phil. student-Edu. Univ. of Colombo)	A study in relation to the perception of the role of the teacher by the trainees in the teacher training colleges in Sri Lanka (in Sinhala)	1984	1 year	Rs. 5000.00	Completed
RG/84/SS/12	Mrs. W.A. Charlotte 662A, Eriyawatiya Kelaniya. (M.Phil. student-Edu. Univ. of Colombo)	An investigation into the influence of the school environment on the educational achievements of G.C.E.(Advanced Level) students and its consequences; with special reference to the district of Gampaha (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing

Ref.No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/13	Mr. S.P. Liyanage 'Nuwana' Mapalana Kamburupitiya (M.Phil.student- Edu. Univ.of Colombo)	A study of the adult education programme in the Matara district of Sri Lanka (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/14	Mrs.N.P.Sendanayake 'Senani' Galpatha Kalutara. (M.Phil.student- Edu. Univ.of Colombo)	A study of the educational problems of mentally handicapped children in Sri Lanka and the development of their motor ability - a study in relation to the Sukhitha School at Galpatha for mentally handicapped children and the School for Special Children at Chitra Lane, Colombo 5 (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/15	Mrs. T.C.C. Jeevaratne 32/8,Sapumal Pedesa Rajagiriya. (M.Phil.student- Edu. Univ.of Colombo)	A study of the awareness of secondary school children and teachers to educational and behavioural objectives considered important in an education system. (in Sinhala)	1984	1 year	Rs. 2500.00 + additional sum of Rs. 1200.00	Ongoing

Ref.No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
RG/84/SS/16	Mr. S. Matararachchi 'Ranagiri', Galahitiya Walamulla. (M.Phil.student-Edu. Univ. of Colombo)	An analytical study of the administrative role of the principal in Sinhala medium central colleges and senior schools in Sri Lanka (with special reference to the Hambantota district) (in Sinhala)	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/17	Mrs. Gothami Fernando 'Yamuna', Parakrama Road Tangalle. (M.Phil.student-Edu. Univ. of Colombo)	Population Education	1984	1 year	Rs. 2500.00	Ongoing
RG/84/SS/18	Mr. M.M.Anthonymuttu Dept. of Economics Univ. of Jaffna Jaffna.	The Impact of Oil prices on the Sri Lankan Economy	1984	3 months	Rs. 3600.00	Withdrawn
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

Ref.No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
SAREC/13/SSR/2	Dr. S. Rupasinghe Head, Dept. of Social Science Education Univ. of Colombo Colombo 3.	Participation of early school dropouts in economic activities - an evaluation	1984	1 year	Rs. 13000.00	Completed
SAREC/13/SSR/4	Mr. B. Cajameragedara Lecturer Dept. of History Univ. of Peradeniya Peradeniya.	Development Strategies Foreign Aid and Foreign Policy of Sri Lanka since 1965	1984 commencement of the project on 1.1.85	2 yrs.	Rs. 10000.00	Ongoing
SAREC/13/SSR/5	Mr. P. Vithanage, Asst. Lecturer, Dept. of Economics, Ruhuna University College, Matara.	Agricultural modernization and socio-economic changes with reference to the Hambantota District (in Sinhala)	1984	2 yrs.	Rs. 10000.00	Ongoing
SAREC/13/SSR/6	Dr. C. Sivayoganathan Lecturer, Dept. of Agric. Econ. & Extension, Fac. of Agriculture Univ. of Peradeniya Peradeniya. Dr. K. Kailasapathy Lecturer Dept. of Agric. Chemistry Fac. of Agriculture Univ. of Peradeniya Peradeniya.	Household utilization of vegetables: A study on knowledge, attitudes and nutrient losses	1984	1 yr.	Rs. 25000.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1984
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 yrs.	Rs. 25000.00	Ongoing
SAREC/13/SSR/8	Prof. A. Liyana- gemage No. 63/1, 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 Archaeo- logical Survey	1984	1 yr.	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 yrs. 6 mths.	Rs. 25000.00	Withdrawn
RG/85/SS/1	Mr. L. Ranwatta Circuit Inspector Kangikkuliya Mugunuwatawana Halawata.	An investigation into the supervision of teaching in the schools in Sri Lanka to highlight its weakness (in Sinhala)	1985	1 yr.	Rs. 5410.00	Ongoing
RG/85/SS/2	Mr. M.B. Wijedasa Asst. Lecturer Dept. of Geography Univ. of Kelaniya Kelaniya.	A study of 'Integrated Rural Development' in Sri Lanka - The Kandyan Peasan- try Commission (in Sinhala)	1985	1 yr.	Rs. 3000.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RG/85/SS/3	Mrs. Vijayalatha Balasuriya 235, Malagala Padukka. Asst. teacher M. Phil Student Univ. of Colombo	A study of the upper primary (grade 3-5) education in Sri Lanka (in Sinhala)	1985	2 yrs.	Rs. 3663.00	Ongoing
RG/85/SS/4	Mr. K.G. Guruge Asst. Lecturer Dept. of Geography Univ. of Kelaniya Kelaniya.	A study of the influence of tourism on the traditional fishing villages in the western coast of Sri Lanka (in Sinhala)	1985	1 yr. 6 mths.	Rs. 5000.00	Ongoing
RG/85/SS/5	Mrs. Padma Dabatota 132, Municipal Council Quarters, Anuradhapura. Asst. teacher A/Balika Maha Vidyalaya Anuradhapura.	To study the socio-economic factors responsible for the education in Sri Lanka being examination oriented (in Sinhala)	1985	1 yr.	Rs. 5000.00	Ongoing
RG/85/SS/6	Mr. D.A.S. Abeysekera Ithala Kumbura Madelgamuwa Gampaha. Graduate teacher Minu/Udugampola H.V., (M. Phil Student Univ. of Colombo)	The professional or carrier aspirations of graduates in Sri Lankan universities (in Sinhala)	1985	1 yr.	Rs. 5000.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Financial Allocation	Status during 1985
RC/85/SS/7	Mr. W. Chandrasiri 'Indunil' Koswatta Road Polgasovita. Plan Implementation Officer, Min. of Plan Implementation (M.A. Student, Univ. of Sri Jayewar- denepura)	A community development programme for shanty settle- ments in the city of Colombo: An action cum research programme	1985	2 yrs.	Rs. 5000.00	Ongoing
RC/85/SS/8	Mr. R.H.H.G. Ranasinghe Planning Officer High Schools Div., Ministry of Education Malay St., Colombo 2.	A study of the achievements of the population educational concept through the subject of social study by students completing their junior secondary education (in Sinhala)	1985	2 yrs.	Rs.10,730.00	Ongoing
RC/85/SS/9	Mr. W. Wickremasinghe 'Vikumvillla' Ve-Oya Yatiantota.	An evaluation of the service centres of the II ₄ area of the Mahaweli Development Scheme (in Sinhala)	1985	1 yr.	Rs. 4,400.00	Ongoing

THE STATUS OF CHEMICAL SCIENCES RESEARCH GRANTS DURING 1985

Year of Award	Proposed Duration	No. of Grants	Status during 1985			
			Completed	Terminated	Continuing	Withdrawn
1979	1 yr.	-	-	-	-	-
	2 yrs.	-	-	-	-	-
	3 yrs.	1	-	-	-	-
1981	1 yr.	-	-	-	-	-
	2 yrs.	1	-	-	-	-
	3 yrs.	3	-	2	-	-
1982	1 yr.	1	1	-	-	-
	2 yrs.	1	1	-	-	-
	3 yrs.	4	3	1	-	-
1983	1 yr.	-	-	-	-	-
	2 yrs.	4	2	2	-	-
	3 yrs.	6	-	6	-	-
1984	1 yr.	1	1	1	-	-
	2 yrs.	2	-	2	-	-
	3 yrs.	6	-	6	-	-
1985	1 yr.	2	-	2	-	-
	2 yrs.	4	-	4	-	-
	3 yrs.	9	-	9	-	-

CHEMICAL SCIENCES

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Duration	Status during 1985
RG/79/12	Dr. J.N.O. Fernando Dept. of Chemistry Univ. of Colombo	"Determination of absorption characteristics of molecular zeolite catalysts".	123700/=	3 years	Completed
RGB/81/16	Dr. L.B. de Silva Medical Research Institute Colombo 8.	"Research on indigenous medical plants (a) Phytochemical (b) Pharmacognostic (identification of medicinal plants) standardization and quality control of prepared drugs (c) Compilation of a comprehensive herbarium".	123160/=	2 years	Completed
RGB/81/18	Dr. V. Kumar Dept. of Chemistry Univ. of Peradeniya	"Studies on Citrus and other rutaceous plants".	102740/=	3 years	Completed
RGB/81/20	Dr. C.B. Dissanayake Dept. of Geology Univ. of Peradeniya	"The environmental Geochemistry of well-water in and around Kandy".	50240/=	3 years	On-going
RGB/81/23	Dr. E.H. Karunanayake Dept. of Biochemistry Fac. of Medicine	"Study of the metabolism and mode of action of the orally hypoglycaemic principles(s) of <u>Scalasia Feticulosa L.</u> ".	23160/=	3 years	On-going
RG/82/17	Dr. E.R. Jansa CISIR Colombo 7.	"Processing of spices".	40740/=	3 years	Completed

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/82/19	Prof. R.S. Ramakrishna Dr. A.I. Kulatilaka Dept. of Chemistry Univ. of Colombo Univ. of Peradeniya	"Heavy metal ions in stream sediments as a monitor for environmental pollution and mineralisation".	47160/=	2 years	Completed
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".	58740/=	3 years	Completed
RG/82/22	Dr. (Mrs) N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical studies on the seaweeds of Sri Lanka".	11580/=	1 year	Completed
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".	132740/=	3 years	On-going
RG/82/25	Prof. K. Balasubramaniam Dept. of Biochemistry Univ. of Colombo	"Purification characterization and study of the reactivity of amino acid residues of galactosidase of coconut endosperm".	54740/=	3 years	Completed
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".	62960/=	3 years	On-going

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/83/22	Prof. S. Mageswaran Dr. K. Jayaseelan Dept., of Chemistry Univ. of Jaffna	"Chemistry and Biochemistry of palmyrah products".	75210/=	3 years	On-going
RG/83/23	Dr.(Mrs)R. Mageswaran Dept. of Chemistry Univ. of Jaffna	"Chemical Investigation of seaweeds"	67710/=	3 years	On-going
RG/83/24	Dr. E.D. de Silva Dr. L.M.V. Tillekeratne Dept. of Chemistry Univ. of Colombo	"Structural elucidation and biological	127700/=	3 years	On-going
RG/83/25	Dr.(Mrs) T.M.S. Atukorala Dept. of Biochemistry Univ. of Colombo	"Evaluation of vitamin A, carotene zinc and copper contents of some rural and urban diets".	45000/=	2 years	On-going
RG/83/26	Dr. J.S.H.Q. Perera Dept. of Chemistry Univ. of Peradeniya	"Chemical transformation of natural rubber".	50690/=	3 years	On-going
RG/83/27	Dr. U. Samarajeewa Dept. of Agric. Chemistry Univ. of Peradeniya	"Detoxification of Aflatoxins in coconut oil".	51140/=	2 years	Completed
RG/83/28	Prof.(Mrs)W.P.D. Pereira Dept. of Chemistry Univ. of Colombo	"Studies on the effect of sunlight on some insecticides used in Sri Lanka	74640/=	2 years	Completed

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/83/73	Prof. Tuley de Silva Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"An addendum to Ayurveda Pharmacoposia".	40240/=	2 years	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 marinealgae on fertility in animals".	131460/=	3 years	On-going
RG/84/C/1	Dr. A.M. Abeysekara Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	Chemical Studies and Standardisation of Ayurvedic drugs	28320/=	1 year	Completed
RG/84/C/2	Prof. Tuley de Silva Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"The Chemistry and Pharmacognosy of the substitutes drugs and adulterants of Ayurvedic medicinal plants"	33240/=	2 years	On-going
RG/84/C/3	Mr. D.T. Jayamanna Division of Occupational Hygiene Dept. of Labour Colombo 5.	"Investigation of health hazards due to Chromium in exposed workers of leather tanning and electroplating industries and role of Chromium in the effluents".	57460/=	3 years	On-going
RG/84/C/5	Prof. Sotheeswaran Prof. A.A.L. Gunatilleka Dept. of Chemistry Univ. of Peradeniya	"Economically useful plants of Sri Lanka".	39960/=	3 years	On-going

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/84/C/6	Prof. G.P. Wannigama Prof. S. Sotheeswaran Dr. B.M.R. Bandara Dr. N.L.V.V. Karunaratna Dept. of Chemistry Univ. of Peradeniya	"Alkaloids, Coumarins, triterapenses and other biologically active principles of some plant families of Sri Lanka".	164460/=	3 years	On-going
RG/84/C/7	Dr. L.B. de Silva Mr. W.H.M.W. Herath Medical Research Institute Colombo 8.	"Research in indigenous medicinal Plants".	57000/=	3 years	On-going
RG/84/C/8	Dr. (Mrs) V.D.P. Sirimanna Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"Studies on Plant gums found in Sri Lanka".	46240/=	2 years	On-going
RG/84/C/9	Dr. (Mrs) T.M.S. Atukorala Dept. of Bio-chemistry Faculty of Medicine Colombo 8.	"A study of total and glucose tolerance factor chromium content of foods".	68980/=	3 years	On-going
RG/84/C/10	Dr. K.K.M.W. Silva Prof. C.B. Dissanayake Dept. of Geology Univ. of Peradeniya	"Study of Geology and Rock, Soil and Water Geochemistry of the Walawe Ganga basin".	126780/=	3 years	On-going
RG/85/C/1	Prof. S. Sotheeswaran Dept. of Chemistry Univ. of Peradeniya	"Organosulphur compounds Natural and Synthetic	136400/=	3 years	On-going

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/85/C/2	Mr. P. Jayanetti Ceylon Steel Corporation Aturugiriya	"Extension of Emission Spectrographic Analytical Methods for all types of Iron, Steels Ferro Alloys and Steel making slags".	70900/=	3 years	On-going
RG/85/C/3	Prof. K. Balasubramaniam Univ. of Jaffna Jaffna	"Bio Chemistry of Drought Resistance in coconut and palmyrah	151400/=	3 years	On-going
RG/85/C/4	Dr. (Mrs) Siromi Samarasinghe Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"Chemistry and activity Studies of compounds isolated from tissue cultures of Sri Lankan Medicinal plants	88100/=	2 years	On-going
RG/85/C/5	Dr. Arthur Bamunuarachchi Dr. I.K. Perera Dept. of Chemistry Dept. of Physics Univ. of Sri Jayewardenepura Nugegoda	"Post harvest changes and performance at processing of some Sri Lankan Vegetables".	168400/=	3 years	On-going
RG/85/C/6	Dr. L.M.V. Tillekaratna Dr. (Mrs) S.A. Deraniyagala Dept. of Chemistry Univ. of Colombo	"Isolation and structure Elucidation of Natural Products from Marine Organisms and Determination of their Biological activity".	150900/=	3 years	On-going
RG/85/C/7	Prof. A.A.L. Gunatilake Dept. of Chemistry Univ. of Peradeniya	"Use of Potato Disc Assay for Antitumour screening and isolation of Antitumour Agents from Sri Lanka plants".	157500/=	3 years	On-going

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/85/C/8	Dr. C.D.R.A. Jayawardena Sri Lanka Standards Inst., Dharmapala Mawatha Colombo 3	"Development of Methods for estimation of fruit content in processed Fruit products".	90600/=		On-going
RG/85/C/9	Prof. N.S. Kumar Dr. B.N.R. Bandara Dept. of Chemistry Univ. of Peradeniya	"Organic and aqueous extractives of some medicinal plants of Sri Lanka".	112400/=	3 years	On-going
RG/85/C/10	Prof. V. Kumar Dept. of Chemistry Univ. of Peradeniya	"Studies on Citrus and other rutaceous plants".	75600/=	2 years	On-going
RG/85/C/11	Prof. P.A.J. Perera Mr. H.M. Cahandana Santha Kumara Dept. of Bio-chemistry Univ. of Peradeniya	"The role of histidine decarboxy-lase in the pathogenesis of diarrhoea caused by E. Coli".	19000/=	1 year	On-going
RG/85/C/12	Prof. K. Tuley de Silva Dr. Athur Bamuwarachchi Dept. of Chemistry Univ. of Sri Jayewardenepura Nugegoda	"Biological activity directed phyto-chemical studies of some Sri Lankan plants".	162500/=	3 years	On-going

Ref. No.	Name and Institution	Title	Financial Allocation (Rs)	Proposed Duration	Status during 1985
RG/85/C/13	Dr. (Mrs)Chandra Malani Arewgoda Mrs. Sukumal Wimalasena Dept. of Chemistry Univ. of Kelaniya	"Pollution due to trace metals and agrochemicals in Kelaniya area".	61600/=	2 years	On-going
RG/85/C/14	Prof. N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical Investigation of the mucilaginous constituent in some plants used in traditional medicine".	29800/=	1 year	On-going
RG/85/C/15	Dr. L.B. de Silva Dr. W.H.M.W. Herath MRI Colombo 8.	"Chemical investigation of indigenous medicinal plants".	141400/=	3 years	On-going

AGRICULTURE & ANIMAL HUSBANDRY

THE STATUS OF RESEARCH GRANTS DURING 1985

Year of Award	Proposed Duration	No. of Grants	Status during 1985			
			Completed	Terminated	Continuing	Withdrawn
1983	1 year	3	2	-	1	-
	2 years	4	1	-	3	-
	3 years	2	-	-	2	-
1984	1 year	4	2	-	2	-
	2 years	2	-	-	2	-
	3 years	1	-	-	1	-
1985	1 year	1	-	-	1	-
	2 years	1	-	-	1	-
	3 years	3	-	-	3	-

AGRICULTURE & ANIMAL HUSBANDRY

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. Cts.	Status during 1984
RG/83/1	Dr. M.A.S.K. Ranasinghe Dept. of Agric. Biology Fac. of Agriculture Univ. of Peradeniya 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	Ongoing
RG/83/2	Prof. C.S. Weeraratne Faculty of Agriculture Univ. of Ruhuna Matara.	Studies on the use of green manures in crop production	1983	3 years	77,500.00	Ongoing
RG/83/4	Dr. K.D.N. Weerasinghe Dept. of Agronomy Univ. of Ruhuna Matara.	Effect of soil and root factors on taper- ing (Pencil point) disease of coconut plant in southern Sri Lanka	1983	1 year	266,700.00	Completed
RG/83/5	Dr. S. Abeysekera Statistical Unit Univ. of Colombo Colombo.	Analysis of Climatic & crop data for agri- cultural purposes.	1983	1 year	21,000.00	Completed
RG/83/43	Dr. A.B.P. Jayawardene Mr. H. Peiris Mr. A. Perera Veterinary Research Ins. Gannoruwa, Peradeniya.	A whole farm evalua- tion of an experimen- tal small holder dairy in the mid country.	1983	2 years	9,940.00	Completed

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. Cts.	Status during 1984
RG/83/61	Prof. H.P.M. Gunasena Mrs. I.P. Wickremasinghe Fac. of Agriculture Univ. of Peradeniya Peradeniya.	Genetic Evaluation and selection of winged bean	1983	2 years	90,800.00	Ongoing
RG/83/66	Prof. M.A. Pemadasa Mr. R.T. Serasinghe Fac. of Agriculture Univ. of Ruhuna Matara.	Improvement of grass land productivity under coconut culti- vation in southern Sri Lanka	1983	2 years	91,320.00	Ongoing
RG/83/67	Dr. K.N. Pathirana Fac. of Agriculture Univ. of Ruhuna Mapalana Kamburupitiya.	Effect of variety and stage of harvesting on the nutritive value of rice straw for ruminants	1983	1 year	88,660.00	Ongoing
RG/83/68	Dr. G. Keerthisinghe Mr. K.A. Nandasena Dept. of Agricultural Chemistry Univ. of Peradeniya Peradeniya.	Studies on the availa- bility of Phosphorus of some of the impor- tant soils in Sri Lanka	1983	2 years	47,320.00	Ongoing
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	Ongoing

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Re. Cts.	Status during 1984
RG/84/Ag/2	Mr. W.L. Weerakoon Regional Agricultural Research Station Mahalilupalama.	Multi-storied cropping in the Dry Zone of Sri Lanka	1984	1 year	15,000.00	Ongoing
RG/84/Ag/3	Mr. G.A. Gunatilake Mr. W.M. Jayatilake Bandara Regional Agricultural Research Centre Bombuwela.	Effect of Iron Toxicity on Rice Cultivation	1984	3 years	102,050.00	Ongoing
RG/84/Ag/4	Dr. P.A.J. Yapa Rubber Research Inst. Agalawatte.	Role of aquatic plants in effluent treatment systems in rubber plantation	1984	2 years	40,000.00	Ongoing
RG/84/Ag/5	Dr. S.G. Illangantilleke, Mr. S. Elias Dept. of Agric. Engineering, Univ. of Peradeniya Peradeniya.	Rice crop by product disposal and utilization	1984	9 months	55,792.00	Completed
RG/84/Ag/6	Dr. M.N.M. Ibrahim Ms. Sujatha Panditharatne, Dept. of Animal Science Univ. of Peradeniya Peradeniya.	To investigate the ensiling characteristics and digestibility and palatability of guinea 'A' (Panicum maximicum) grass in the mid country wet zone of Sri Lanka	1984	1 year	39,275.00	Completed

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. Cts.	Status during 1984
RG/84/Ag/7	Dr. P. Shivanathan Central Agricultural Research Institute Gannoruwa Peradeniya.	A checklist of pest and diseases of Sri Lanka	1984	1 year	56,000.00	Ongoing
RG/85/Ag/1	Dr. U. Samarajeewa Dept. of Agric. Chemistry, Univ. of Peradeniya Peradeniya.	Development of a peanut dryer	1985	1 year	44,740.00	Ongoing
RG/85/Ag/2	Dr. M.A. Pemadasa Dept. of Botany Univ. of Ruhuna Matara. Mrs. S.F.B.N. Gunawar- dena, Fac. of Agriculture Univ. of Ruhuna Mapalana Kamburupitiya.	Studies on the Rhizo- bium inoculation and nutrient requirements of some under exploited leguminous crops	1985	3 years	174,400.00	Ongoing
RG/85/Ag/3	Mr. P.J. Wickremasinghe Dr. P.de A. Gurusinghe Mr. I.M.H.B. Herath Dept. of Minor Export Crops Research Station Matale.	Generic improvement and cultural practices in Betel	1985	3 years	186,000.00	Ongoing

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. Cts.	Status during 1984
RG/85/Ag/4	Mr. M.H. Mendis Mr. P.K. Samarajeewa Mr. K.P.U. de Silva C.A.R.I. Gannoruwa.	Utilization of tissue culture technology in root and tuber crop improvement	1985	2 years	192,000.00	Ongoing
RG/85/Ag/5	Dr. I.A.U.N. Gunathilake, Dept. of Botany Univ. of Peradeniya Peradeniya.	Contribution of soil biological processes and environment to soil fertility in a rainforest and a Heava rubber plantation	1985	3 years	225,000.00	Ongoing

CIDA FERTILIZER GRANTS

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. cts.	Status during 1984
CIDA/83/1	Dr. S.L. Amarasinghe 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		On going
CIDA/83/2	Dr. S.L. Amarasinghe 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	5 years	395,000.00	On going
CIDA/83/3	Dr. G. Keerthisinghe Mr. K.A. Nandasena Prof. N.W. Thenabedu 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	5 years	466,650.00	On going
CIDA/83/4	Mr. M. Jeganathan Miss Malathi Nirmala Dias C.R.I. Lunuwila	Studies on K - Mg interaction in coconut	1983	5 years	515,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Re.cts	Status during 1984
CIDA/83/5	Dr. S.P.R. Weerasinghe Mr. H. Wijewardene Mr. J.M.P. Jayasundera Regional Agricultural Research Centre Bandarawela	Fertilizer studies on selected vegetable crops in the upcountry with emphasis on residual activity of soil P & K	1983	5 years	896,000.00	On going
CIDA/83/6	Dr. K.N. Wickremasinghe Dr. S. Krishnapillai Tea Research Institute Talawakele.	To evaluate the efficiency of utilization of potash fertilizers for tea in Sri Lanka with special reference to soil fertility and crop production	1983	5 years	1,183,800.00	On going
CIDA/83/7	Mr. M. Watson Mr. G. Madasinghe Tea Research Institute Low Country Station Ratnapura	Role of Potassium in relation to drought hardness in young tea	1983	5 years	1,001,115.00	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	5 years	615,200.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rupees	Status during 1984
CIDA/83/9	Dr. N. Yoparatnam 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) <u>Effects of different</u> 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	5 years	552,200.00	On going
CIDA/83/10	Mrs. L.V.K. Liyanage 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	5 years	348,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Re.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	5 years	743,400.00	On going
CIDA/83/12	Prof. M.A. Pemasasa Dept. of Agronomy Fac. of Agriculture 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	476,600.00	On going
CIDA/83/13	Mr. P.J. Wickremasinghe Mr. R. Srittharan Mr. H.A.S. Perera Dept of Minor Export Crops Matale	Investigation on Cardamom under CIDA fertilizer project.	1983	5 years	890,000.00	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	5 years	650,000.00	On going

Ref. No.	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs. Cts.	Status during 1984
CIDA/85/15	Dr. N. Yogaratnam Rubber Research Inst., Agalawatta.	Influence of K on tolerance to moisture stress in <u>Hevea</u> <u>brasiliensis</u>	1985	3 years	300,000.00	Ongoing
CIDA/85/16	Mrs. L.V.N. Liyanage Mr. H.A.J. Gunathilake Coconut Research Inst., Lunuwila.	Effect of nitrogen and potassium on the growth and yield of Cacao grown under Coconut as mixed crops in the wet zone of Sri Lanka	1985	3 years	78,850.00	Ongoing
CIDA/85/17	Dr. L.C.G. Yapa Dept. of Agric. Chemistry Fac. of Agriculture Univ. of Peradeniya Peradeniya.	Effects of soil mois- ture and soil strength/bulk density on the availability of potassium in some of the important soils in the dry zone of Sri Lanka	1985	3 years	213,790.00	Ongoing

1. MAN & BIOSPHERE

THE STATUS OF OTHER RESEARCH GRANTS DURING - 1985

Grant No	Grantee and Inst.	Project Tital	Year of Award and Duration	Initial Allocation	Remarks
MAB/ 81/ 2	Dr. H.D.Gunawardena Dept. of Chemistry Univ. of Colombo	Pesticide and Water Quality monitoring Programme for system B of the Mahaveli Project.	3 yrs. 1981	200800 / =	Ongoing
MAB/85/1	Mr. W.L.E.De.Alwis Dr. S.W.Kotagama Mr K.C.I.De.Alwis	The Ecology and Social-Biology of the Western Purpled faced Leaf Monkey.	3 yrs 1985	112138 / =	Ongoing
MAB/85/2	J.S.Gunasekera Mahaveli Authority	Integrated Land Use and Conservation Planing and Utilization of Resources in Mahaveli / Pannala Micro- Catchment.	2 yrs 1985	75000 / =	Ongoing

2. NATURAL RESOURCES

Grant No	Grantee and Institution	Project Title	Year of Award and Duration.	Initial Allocation	Remarks
EN/85/1	Dr. M.W.R.N. De Silva NARA	Collection and Preservation of Marine Algae.	15 Nov 1985 6 months	50000 /=-	On going

3. INLAND FISHERIES

Grant No.	Grantee and Institution	Project Title	Year of Award and Duration	Initial Allocation	Remarks
SAREC/10/IF/2	Prof. S.S.de Silva Prof. M.A. Pemadasa University of Ruhuna	Feasibility studies on the commercial explo- tation of minor cyprinid fishery resources of perennial resevoirs	3 years 11 September 1984	86,630/=	On going
SAREC/10/IF/3	Prof. S.S.de Silva Prof. M.A. Pemadasa University of Ruhuna	Investigation on the Hill stream for establishment of salmonids and the riverine Fishery in General	2 years 11 September 1984	673,000/=	On going

4. ENERGY

Grant No.	Grantee and Institution	Project Title	Year of Award and Duration	Initial Allocation	Remarks
RG/EP/2/85	I.D.B.	Experimental work on and field evaluation of SAVOOD hearth	10 October 1984 1 year	24,676/=	On going
RG/EP/1/85	Mr B.P. Sepalage C.E.B.	Socio-Economic and energy survey.	24 May 1985 6 months	20,700/=	On going

5. SALVINIA

Grant No.	Grantee and Institution	Project Title	Year of Award and Duration	Initial Allocation	Remarks
RG/SAL/1	Dr I.V.S. Fernando	Biological Control of Salvinia	18 November 1985 3 years	982,800/=	On going
RG/SAL/2	Dr P. Shivanathan C.A.R.I.	Biological Control of Salvinia	18 November 1985 3 years	193,800/=	On going
RG/SAL/3	Mr G.A. Cunathilake Agricultural Research Centre, Bombuwela	Biological Control of Salvinia	18 November 1985 3 years	237,500/=	On going

6. NARSA - SAREC WATER BUFFALO RESEARCH PROGRAMME

Name of Grantee	Project Title	Year of Award and Duration	Total amount allocated for 1985	Remarks
1. Dr A.R. Mohamed	Reproductive physiology of swamp and river buffaloes	1983 3 years	216,600/=	On going
2. Dr B.M.A.O. Perera	Clinical & hormonal studies on the reproductive functions of indigenous buffaloes in Sri Lanka	1983 3 years	116,800/=	On going
3. Dr D.J. Weigana	Studies on theileriosis in buffalo	1983 3 years	44,520/=	On going
4. Prof. S.T. Fernando	Pathophysiology, immunology, treatment and prevention of Neosascaris vitulorum and other intestinal nematodes affecting buffalo calves within first three months of birth	1983 3 years	184,500/=	On going
5. Dr S.S.E. Ranawana	Mineral nutrition in the buffalo	1983 3 years	87,100/=	On going
6. Dr M.C.L. de Alwis	Epizootological and pathological studies on haemorrhagic septicaemia in Sri Lanka	1983 3 years	53,400/=	On going

Name of Grantee	Project Title	Year of Award and Duration	Total amount allocated for 1985	Remarks
7. Dr G.S. Peiris	Studies on infections conditions of infertility in the buffalo	1983 3 years	15,000/=	On going
8. Dr E.F.A. Jalatge	Growth, reproduction and the overall economics of Lanka buffalo in relation to management and feeding systems	1983 3 years	148,140/=	On going
9. Dr M.N.M. Ibrahim Mr S.K. Seneviratne	Evaluation of draught capabilities of buffalo breeds under varying conditions	1983 3 years	167,680/=	On going
10. Dr J.A. de S. Sirwardene	Development of buffalo research farm at Mavathagama, Kurunegala	1983 3 years	330,000/=	On going
11. Dr B.M.A.O. Perera	Development of buffalo research farm, University of Peradeniya	1983 3 years	104,000/=	On going
12. Dr D.D. Manasinghe	Survey of incidence and aetiology of mastitis in buffaloes	1985 3 years	41,400/=	On going
13. Mr T.B. Subasinghe	The study of draught animal systems	1984 3 years	130,050/=	On going

Table : 2 PARTICIPATION AT CONFERENCES, SEMINARS AND WORKSHOPS OVERSEAS DURING 1985 ON THE NOMINATION OF NARESA

Subject and Period	Awarding Agency	Nominees
1. International Conference on Environmental Education, UNESCO New Delhi, 4-9 March, 1985	UNESCO	Mrs. V. Galapitige NARESA
2. Regional Workshop on Science Communication, University of Melbourne, 16-28 February 1985	Australian National Commission for UNESCO	Mrs. N.R. Amarasuriya NARESA
3. Workshop on Science and Technology Indicators for Development - New Delhi, 21-26 February 1985	Commonwealth Science Council	Mr M.A.T. de Silva NARESA
4. International Conference for Informatic Tivivadam, Keral, 21-23 March 1985	UNESCO	Mr D.M.G.T. Chulathenga Research Officer C.I.S.I.R.
5. Executive Meeting - 7-12 July 1985, London	Commonwealth Science Council	Dr R.P. Jayewardene NARESA
6. Meeting of the leading Science Academies and Research Councils of the Third World and the Industrialized Countries - Trieste, Italy - 5-10 July 1985	Third World Academy of Sciences	Dr R.P. Jayewardene and Mr L.C.A. de S. Wijesinghe NARESA
7. 3rd Meeting in Melbourne, Australiz - 12-17 August 1985	The Heads of Liaisons Centre of CRRERIS	Dr R.P. Jayewardene NARESA

Subject and Period	Awarding Agency	Nominees
8. Regional Seminar on Planning & Management of Information Services - Melbourne, 4-10 September 1985	UNESCO	Mr N.U. Yapa NARESA
9. Third ASTINFO (Regional Network for the Exchange of Information in Science & Technology in Asia and the Pacific) Consultative Meeting - Canberra, 11-13 September 1985	UNESCO	Mr N.U. Yapa NARESA
10. Regional Course on Computer Usage for Senior Administration - Hyderabad - 4-9 November 1985	UNESCO	Mrs. C. Jayamanne NARESA
11. Regional Seminar on Bibliographic Data Bases from the Network Point of View - Kathmandu - 18-22 November 1985	UNESCO	Miss. I.R. de Silva NARESA
12. Asian Seminar on Science and Technology Policy Management, Kathmandu, 25 November - 6 December 1985	UNESCO/FIT/APCIT	Mr M.A.T. de Silva and Dr S. Liyanage NARESA

Subject and Period	Awarding Agency	Nominees
13. Asian Regional Seminar/Workshop on Thesaurus Construction, New Delhi 18 - 29 Nov. 1985	UNESCO	Mrs. S.D. Wijayathunga Asst. Librarian Univ. of Moratuwa.
14. Seminar on Universal Availability of Publications - New Delhi 21 - 27 Oct. 1985	UNESCO	Mr. U. Amarasiri Deputy Director Sri Lanka National Library Services Board
15. Training Course/Seminar on Microbial aspects of nutrient cycling in mangrove soils and waters - Philippines - 28 Oct. - 8 Nov. 1985	UNESCO	Mrs. G.A.S.I. Abeygunawardena University of Kelaniya and Mrs. M.D. Amarasinha NARA
16. Training Course on Life History of selected species of Flora and Fauna in Mangrove Eco Systems - Thailand - 2 Oct. - 16 Oct. 1985	UNESCO	Dr. A.B. Samarakoon University of Colombo Dr. M. de Silva University of Peradeniya
17. 3rd Introductory Training Course on Mangrove Eco- Systems - Singapore - 20 Oct. - 15 Nov. 1985	UNESCO	Dr(Mrs.) R.M. Herath University of Kelaniya Dr(Mrs.) W.G. Ariyawathie University of Colombo.

Subject and Period	Awarding Agency	Nominees
18. Training Course in the Development of Hardware and Software, New Delhi, 26 March - 6 April 1985	UNESCO	Mr. R.P.T. Karunasiri Research Officer C.I.S.I.R.
19. Training Programme for Computer Assisted Instructions, India, May - June 1985	UNESCO	Prof. K. Thilakeratne University of Kelaniya.
20. Sixth General Conference of AASSREC, Bali- Indonesia. 2- 7 Sep, 1985.	AASSREC	Dr. R.P. Jayawardene NARESA,
21. General Conference IFSSO New Delhi- India. 1-4 Dec 1985	IFSSO	Prof. Bastianpillai Univ. of Colombo.
22. MAB Chairman's Meeting , New Delhi India. 19 -21 March 1985.	UNESCO	Prof. R.N. De. Fonseka. Univ. of Colombo.

Subject and Period	Awarding Agency	Nominees
23. 23rd Session of UNESCO General Conference 8 October - 12 November, Sofia Bulgaria.	UNESCO	Dr R.P. Jayewardene NARESA.
24. International Seminar on Environmental Diplomacy, 21-27 November 1985, Ireland.	UNEP	Mrs V. Galapitige NARESA.

Total brought forward

15,884,002 62

187,109	Scientific Manpower Project Fund	171,367 44	
—	Add: Drawings from Treasury	—	
—	Treasury Deposit	—	
<u>187,109</u>		<u>171,367 44</u>	
15,742	Less: Expenditure - Schedule No.05	17,869 50	
<u>171,367</u>		<u>153,497 94</u>	
257,482	Working Committee Fund	276,557 90	
360,000	Add: Drawings from Treasury	500,000.-	
—	Funds received from UNDP	117,900.-	
—	Treasury Deposit	—	
<u>617,482</u>		<u>894,457 90</u>	
340,924	Less: Expenditure - Schedule No.06	171,915 34	
<u>276,558</u>		<u>722,542 56</u>	
8,584,885	Foreign Aid Fund	11,475,918 41	
4,000,000	Add: Drawings from Treasury	3,500,000.-	
2,724,753	Treasury Deposit	400,000.-	
—	Money held in Advance by Treasury	598,285.23	
—	Foreign Aid held by NARESA	922,494.82	
<u>15,309,638</u>		<u>16,896,698 46</u>	
3,833,720	Less: Expenditure - Schedule No.07	9,363,973 43	
<u>11,475,918</u>		<u>7,532,725 03</u>	
105,567	Current Liabilities	90,908 50	
139,098	Creditors - Schedule No.08	375,233 28	
1,311,045	Accrued Charges - Schedule No.09	2,377,388 14	
—	Provisions - Schedule No.10	434,068 79	
—	Provision for Retiring Gratuity	—	
<u>26,988,565</u>		<u>27,570,366 86</u>	

Natural Resources, Energy & Science Authority of Sri Lanka
Balance Sheet as at 31st December 1985.

	As at 31.12.84	Cost as at 1.1.85	Additions/deductions during the year	Accumulated Depreciation	Net Balance as at 31.12.85.
Represented by:-					
Fixed Assets:-					
Buildings	1,665,296	2,363,853 06	9,000 -	817,200 -	1,555,653 06
Office Equipment & Furniture	430,968	1,122,497 89	139,555 50	844,016 -	418,037 39
Motor Vehicles	93,672	655,306 13	(83,866 72)	631,998 73	606,439 85
Motor Bicycles	-	51,425 -	-	51,425 -	-
Bicycles	1,234	5,835 65	(1562 05)	3,450 60	823 -
Sports Equipment	-	1,504 -	-	1,504 -	-
Accessories & Miscellaneous	13,157	56,048 85	(3,591 25)	47,876 -	11,774 10
Library Books	1,054,614	1,054,614 14	72,729 42	-	1,121,610 56
Scientific & Laboratory Equipment on Loan	4,160,370	6,546,393 67	282,824 24	3,326,945 50	6,082,272 41
Documentation Equipment	2,152,582	3,282,033 40	12,582 70	1,458,913 -	1,835,703 10
	9,571,894	15,139,511 79	3696,130 51	7,203,328 83	11,633,313 47
Telephone Installation	13,954				13,953 64
National Emblem	451				-
	9,586,299				11,646,267 11
Current Assets					
Stocks - Schedule No.11	145,986			188,132 88	
Debtors - Schedule No.12	380,117			587,429 21	
Prepayments - Schedule No.13	136,471			290,274 31	
Deposits - Schedule No.14	64,835			55,037 45	
Treasury Deposit	10,820,174			7,946,057 64	
Money held in Advance by Treasury	4,323,102			4,921,386 80	
Balance at Bank - A/C No. 1256	157,779		1,003,703 59		
A/C No. 1257	246,915		82,841 21		
Petty Cash	5,000		5,000 -		
Cash in hand	1,121,887		844,236 66	1,935,781 46	13,924,099 75
	26,988,565				27,570,366 86

A. P. S. S. S.
Deputy General
Natural Resources, Energy &
Science Authority of Sri Lanka
125, Mahipala Road, Colombo 5

total B/F 2,968,587 45 3,761,328 24

84,070	Telephone	262,612 10
57,739	Postage	102,466 73
13,200	Audit fees	47,987 05
1,972	Bank charges	10,450 -
839	Medical Expenses	300 -
49,955	Advertising	17,170 41
81,981	Maintenance of Motor vehicles	41,284 -
14,214	Maintenance of Office Equipment & Furniture	165,498 95
42,181	" " Building	36,294 46
47,175	Insurance charges	34,774 50
232	Water Consumption charges	51,746 87
189	Bad Debts	480 -
-	Provision for doubtful debts	17,124 30
71,075	Security services	13,078 95
1,276,229	Depreciation (Schedule No.15)	92,700 -
21,888	Sundry Expenses (Schedule No.16)	1,709,746 -
-	Net Expenditure on International Youth Year Program	40,102 20
-	Commission given on sale of publications	194,532 03
4,038,894		<u>187 50</u>
-	Add: Prior year adjustments (Net)	2,838,536 05
-		5,807,123 50
-		<u>79,322 45</u>
-		5,866,445 95

3,829,138 Excess of Expenditure over Income 2,125,117 71

Schedule No. 01

(1) Documentation Unit Capital Fund Expenditure :-

1. SLSTIC Equipment	12,582.70
2. " Maintenance & Repair	47,232.06
3. " Books & Periodicals	187,018.33
4. " In House Printing & Binding	70,932.36
5. " Consumables	73,306.18
6. " Miscellaneous	18,702.00
7. " Services	3,552.00
8. " Publications & Publicity	93,290.20
9. Science Information Committee	11,000.00
	<u>517,615.83</u>

Add: Prior year adjustments (net)

133,312.75650,928.58Schedule No. 02

(2) Research Grants Total expenditure 4,055,000.00

Less: Funds available under completed
& Terminated Grants during 85 488,131.27Prior year adjustment 28.10488,159.373,566,840.63

Schedule No. 03**(3) MAB Programme Expenditure :-**

1. MAB/71/05	35,000.00
2. MAB/77/1-2/3	86,595.63
3. MAB/81/02	43,369.69
4. MAB/85/01	26,336.02
5. MAB/Gen	3,353.50
6. MAB National Committee	<u>16,285.02</u>
	210,939.86
Less: Prior year adjustments (net.)	<u>381.94</u>
	<u>210,557.92</u>

Schedule No. 04**(4) Miscellaneous Fund Expenditure :-**

1. Participation in International Scientific work	145,388.48
2. Seminars & Symposias	9,330.13
3. Subscriptions to International Scientific Unions	174,026.50
4. Awards for outstanding Research work	<u>110.00</u>
	<u>328,853.11</u>

Schedule No. 05**(5) Scientific Manpower Project Expenditure :-**

1. Manpower Training Programme	6,650.00
2. Science & Technology Research Survey	<u>11,219.50</u>
	<u>17,869.50</u>

Schedule No. 06

(6) Working Committees Fund Expenditure :-

1. Agriculture & Animal Husbandry Working Committee	9,418.73
2. Natural Resources Working Committee	19,841.62
3. Chemical Sciences " "	9,741.55
4. Social Science Research Working Committee	37,602.15
5. Science Education Research Working Committee	36,006.95
6. Biological Sciences Working Committee	10,613.50
7. Working Committee on Energy	15,027.20
8. Physical & Engineering Sciences Working Committee	5,994.00
9. Science & Technical Information " "	2,635.00
10. Editorial Committee	753.00
11. Medical & Vet. Sciences Working Committee	8,454.00
12. Mangrove Survey	16,325.14
	<u>172,402.84</u>
Less: Prior year adjustments (net)	487.50
	<u>171,915.34</u>

Schedule No. 07

(7) Foreign Aid Expenditure :-

SAREC	1,424,351.43
CIDA	2,773,760.11
RG/AID	2,374,793.14
ACIAR	90.00
Advisory & Buffalo Research Working Co.	17,001.75
	<u>6,589,996.43</u>
Add: Prior year adjustments	2,773,977.00
	<u>9,363,973.43</u>

Schedule No. 08

(8) Sundry Creditors :-

1. Dr. (Mrs) K. Abeynayake	79,777.84
2. Mrs. C.V.S. Gunatileka	1,835.64
3. N T I S Deposit A/c	2,735.57
4. N T I S Creditors	1,085.00
5. N T I S Educational & Promotional work A/c	5,474.45
	<u>90,908.50</u>

Schedule No. 09

(9) Accrued Charges :-

1. Audit fees	20,900.00
2. Travelling (Official)	180.00
3. Wvertime	3,221.72
4. Maintenance of motor vehicles	9,113.13
5. Water consumption charges	160.00
6. Telephone	19,127.99
7. Employees Provident Fund	51,628.32
8. Employees Trust Fund	7,469.11
9. Electricity	31,259.82
10. SLSTIC Books & Periodicals	72.00
11. International Youth year	150.00
12. Salaries & Allowances	1,834.25
13. Sick leave	90,865.12
14. Motor vehicles	10,704.79
15. SERC & Research Grant Expenditure	1,810.45
16. SAREC Expenditure	6,811.76
17. RG AID Expenditure	101,009.47
18. MAB Expenditure	208.69
19. CIDA Expenditure	18,466.29
20. Balance Gratuity payable to G.R. Gunewardene	<u>240.37</u>
	<u>375,233.28</u>

Schedule No. 10

(10) Provisions :-

1. Provision for Research Grants	2,375,888.14
2. Provision for awards for the best article published in the SSR Journal	<u>1,500.00</u>
	<u>2,377,388.14</u>

Schedule No. 11

(11) Stocks as at 31.12.85 :-

1. Stationary and Consumables	187,957.88
2. Stamps	<u>175.00</u>
	<u>188,132.88</u>

Schedule No. 12

(12) Sundry Debtors :-

1. Research Grants Cash Imprest	53,750.06
2. SERC " " "	6,190.45
3. MAB " " "	6,000.00
4. Miscellaneous " "	23,318.00
5. Foreign Aid " "	241,733.49
6. Commonwealth Science Council	2,190.08
7. N T I S Debtors	192.25
8. Loans to Staff:-	
1. Bicycle Loans	14,897.32
2. Vehicle Loans	108,879.00
3. Motor Bicycle loans	43,435.71
4. Festival Advance	9,940.00
5. Distress Loans	88,093.50
6. Emergency Loans	10.05
9. C.W.E.	304.00
Sri Lanka Standards Documentation Service	<u>75.00</u>
	379.00
Less: Provision for doubtful debtors	<u>13,579.75</u>
	<u>587,429.21</u>

(13) *Prepayments :-*

1. Insurance Premium for Motor vehicles	6,194.09
2. Insurance Premium for building	30,398.30
3. Subscriptions for 86 Local Periodicals	7,406.50
4. Service agreement charges for office equipment	8,828.97
5. Subscriptions to International Scientific Unions (CSC from Jan. - June 86)	62,423.50
6. License fees for 86	18,500.00
7. PNG - renewal fee for telegraph services	500.00
8. PNG - balance as at 31.12.85 on deposit for stamping machine	7,099.25
9. Payments made in advance re. Scientific equipment	
1. Research Grants	26,485.24
2. CIDA	72,828.37
3. SAREC	<u>49,610.09</u>
	<u>290,274.31</u>

Schedule No. 14(14) *Deposits :-*

1. Sri Lanka Posts Authority Deposit A/c	41,378.00
2. Govt. Publications bureau	1,279.45
3. Ceylon Oxygen Ltd.	4,000.00
4. Cargo Boat Despatch Co. Ltd.	200.00
5. Felix Perera & Sons	5,000.00
6. Postmaster General	1,730.00
7. Ministry of Industries (telex)	1,000.00
8. Director of Telecommunication	<u>450.00</u>
	<u>55,037.45</u>

(15) Depreciation :-

1. Building	5%	118,643.00
2. Office equipment & furniture	20%	152,486.00
3. Motor vehicles	20%	162,838.00
4. Bicycles	25%	411.00
5. Accessories & Miscellaneous	20%	4,984.00
6. Scientific equipment out on loan	10%	949,922.00
7. Documentation equipment	10%	329,462.00
		<u>1,709,746.00</u>

Schedule No. 16

(16) Sundry Expenses :-

1. Purchase of flower pots boxes and plants	1,542.50
2. Purchase of flowers	2,554.25
3. Typing charges & tamil translation charges re. Annual report	3,830.00
4. Cost of the uniforms & tailoring charges	16,117.00
5. Printing charges for visiting cards	175.00
6. Expenditure re. study tour	5,071.00
7. Cost of the Identity cards (staff)	3,525.00
8. Parking fees	364.00
9. Meal allowances	3,710.00
10. Laundry bill	329.00
11. Telegram charges	9.45
12. Purchase of film roll & photograph charges	235.00
13. Purchase of revised establishment code	15.00
14. " " accounting standards	40.00
15. " " Govt. Acts	117.50
16. " " Dust bins	220.00
17. Framing charges	727.50
18. Charges for sharpening the knives & axe	40.00
19. " " Name board	150.00
20. Repairing charges for cycles	327.50
21. " " for jerkin	37.50
22. Purchase of fertilizer	310.00
23. " of UNICEF greeting, X-mas & new year cards	655.00
	<u>40,102.20</u>

Funds Flow StatementSourcesExternal Sources:-

Contributions from Government for Research Work		6,080,000
Grants from Foreign Agencies		5,420,780
Funds received from Mahaweli Authority & UNESCO	131,135	
" " " UNDP	117,900	
" " " WHO	68,600	317,635
		<u>11,818,415</u>

Add: Adjustments for items not involving movement of Funds

Depreciation	1,709,746	
Previous year under provision for depreciation re. M. vehicles	<u>21,493</u>	1,731,239
Net decrease in Provisions	<u>1,513,491</u>	<u>217,748</u>
		12,036,163

Application

Excess of expenditure over Income for the year	1,598,647	
Adjustments in respect of previous years	2,854,004	
Acquisition of Fixed Assets	3,791,208	
Expenditure in Research Funds	<u>6,992,358</u>	<u>15,236,217</u>
Decrease in working capital as analysed below		<u>3,200,054</u>

Change in Working Capital

	Increase	Decrease	
Stocks	42,147	—	
Debtors	220,391	—	
Prepayments	153,803	—	
Deposits	—	9,797	
Treasury Deposit	—	2,874,116	
Money held in Advance by Treasury	598,285	—	
Creditors	14,659	—	
Accrued Charges	—	236,135	
Provisions	—	1,513,491	
Cash & Bank Balances	<u>404,200</u>		
	<u>1,433,485</u>	<u>4,633,539</u>	<u>3,200,054</u>

NOTES ON ACCOUNTS

(Values are to the nearest rupees thousand).

- | | |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. General Accounting | <p>1.1 Funds for Recurrent expenditure</p> <p>Contribution from govt. for recurrent expenditure has been credited to the current year Income & Expenditure Account. In previous years this had been credited to the NARESA Fund A/C directly.</p> <p>1.2 Funds</p> <p>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 31.12.85.</p> <p>1.3 Events after the balance sheet date</p> <p>Out of 38 grants whose official duration had been expired as at 31.12.85, 4 had been completed, 13 grants have been granted official extensions. Work of another 19 grants had been completed and final reports awaited; 01 grant had been recommended for termination and another grant had been amalgamated with an on going 85 grant</p> |
| 2. Assets and the basis of their valuation | <p>Depreciable assets and depreciation</p> <p>Depreciation has been provided on original cost or at valuation on a straight line basis consistent with that of the previous years and is calculated to write-off the assets over their estimated useful lives.</p> |
| 3. Liabilities & Provisions | <p>3.1 Creditors - Creditors includes the following;</p> <p>Dr.(Mrs) K. Abeynayake - Rs.80000/= payable only if the project is in progress</p> <p>Dr.(Mrs) C.V.S.Gunatilake - Rs.2000/= Same as above.</p> |

NTIS - Educational Promotional Work - Rs.5000/=

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 include 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 employees are covered by E.P.F. and E.T.F.

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. Provision has been made in the accounts in respect of this liability.



සමස්ත පාලන කොමිෂන්
 විශ්ලේෂණ, පිටුව 7, 8 සහ
 සම්බන්ධ ගණන් පිටුව 9
 පිටුව 10, පිටුව 11, පිටුව 12
AUDITOR GENERAL'S DEPARTMENT
MONARAGALLA, COLOMBO, SRI LANKA

දිනය: March 26, 1987.

දුරකථන } 91151
 ගිණුම් }
 විද්‍යුත් }
 තැපෑල }
 අංක }
 වර්ෂ }
 අංක }

EC/J/HR/85

දුරකථන }
 ගිණුම් }
 විද්‍යුත් }
 තැපෑල }
 අංක }
 වර්ෂ }

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, 1985 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, 1985 was carried out under my direction in pursuance of provisions in Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read in conjunction with Section 13(1) of the Finance Act, No. 38 of 1971. 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 detailed report in terms of Section 13(7)(a) of the Finance Act was forwarded to the Director General on July 23, 1986.

1:2. Scope of Audit

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

2. Accounts

2:1. Audit 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

(a) According to the accounts the working of the Authority for the year ended December 31, 1985 resulted in an operating deficit of Rs.2,045,795 in the General Fund as compared with a corresponding deficit of Rs.3,829,138 in the preceding year.

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

	<u>Year ended December 31,</u>			
	<u>1985</u>		<u>1984</u>	
	Rs.	Rs.	Rs.	Rs.
<u>Income</u>				
Government Grant for recurrent expenditure	3,450,000		-	
Interest Received	24,653		14,668	
Sale of Publications	66,750		95,959	
Income from Photo-copying Services	7,732		28,901	
Others	<u>212,193</u>	3,761,328	<u>70,228</u>	209,756
<u>Less: Expenditure</u>				
Staff Emoluments	2,935,636		2,095,383	
Office Administration	2,851,045		1,922,610	
Printing and publication	-		874	
Travelling	20,442	<u>5,807,123</u>	20,027	<u>4,038,894</u>
Excess of Expenditure Over Income		2,045,795		3,829,138
Add/Less: Adjustments for previous year		<u>79,323</u>		<u>(3,539,288)</u>
		2,125,118		289,850
		=====		=====

(b) The following statement shows the operations of the seven Special Funds during the year.

Funds balances as at January 01, 1985	15,977,686
Income received	<u>11,818,415</u>
	27,796,101
<u>Less: Expenditure</u>	<u>14,310,938</u>
Fund balances as at December 31, 1985	13,485,163
	=====

(ii) A summary of the net expenditure of the seven funds during the year under review compared with that during the previous year is given below :

	<u>Net Expenditure 1985</u>		<u>Net Expenditure 1984</u>	
	Rs.	Rs.	Rs.	Rs.
Documentation Unit				
<u>Capital Fund</u>	650,929		407,999	
Prior year adjustments	(133,313)		(1,050)	
Expenditure on Acquisition of Fixed Assets	(84,430)	433,186	(67,679)	339,270
<u>Research Grants Fund</u>	3,566,841		2,420,000	
Prior year adjustments(net)	28		3,866	
Funds on Completed and terminated grants used during the year	488,131			
Expenditure out of prior years' provisions	935,568		1,020,286	
Expenditure on acquisition of Fixed Assets	(303,093)		(165,901)	
Provision for the year	<u>(2,490,042)</u>	2,197,433	<u>(1,381,457)</u>	1,896,794
Man and the biosphere Fund	210,558		297,798	
Prior year adjustment	382			
Expenditure on Acquisition of Fixed Assets	(30,337)	180,603	(12,600)	285,198
<u>Miscellaneous Funds</u>	<u>328,853</u>	328,853	<u>315,453</u>	315,453
Scientific Manpower Project Fund	<u>17,869</u>	17,869	<u>15,742</u>	15,742
<u>Working Committee Fund</u>	<u>,171,915</u>		(340,720)	
Prior year adjustments	<u>488</u>	172,403	-	340,924
<u>Foreign Aid Fund</u>	9,363,973		3,833,720	
Prior year adjustments	(2,773,977)		75,238	
Expenditure on Acquisition of fixed Assets	<u>(3,059,695)</u>	3,530,301	<u>(1,625,586)</u>	2,283,372
		6,860,648		5,476,753
		=====		=====

2:3. Financial Structure

The financial structure of the Authority as at December 31, 1985 compared with that at December 31, 1984 is given below :

	<u>As at December 31,</u>	
	<u>1985</u>	<u>1984</u>
	Ks.	Rs.
<u>Resources</u>		
General Fund of the Authority	10,807,605	9,495,168
Special Fund	13,485,163	15,977,686
	<u>24,292,768</u>	<u>25,432,854</u>
	=====	=====
<u>Utilisation</u>		
Fixed Assets at written down value	11,646,267	9,586,299
Net current assets	12,646,501	15,846,555
	<u>24,292,768</u>	<u>25,432,854</u>
	=====	=====

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>Source</u>		
<u>External Sources</u>		
Contribution from Government-Consolidated Fund	6,080,000	
Foreign Aid	5,420,780	
Funds received from Habaweli Authority and UNESCO	131,135	
Funds received from U.N.D.P.	117,900	
" " " W.H.O.	<u>66,600</u>	11,818,415
<u>Application</u>		
Excess of expenditure over income for the year	2,045,795	
Add: Adjustments in respect of previous year	<u>57,829</u>	
	2,103,624	

Contd/-

Less. Adjustments not involving Movement of Funds

Depreciation	1,709,746		
Net increase in provisions for Grantees	(1,066,343)	643,403	1,460,221
Net expenditure on Special Funds		6,860,648	
Add: Adjustments in respect of previous year	2,906,392	9,767,040	
Acquisition of Fixed assets		3,791,208	15,018,469
Decrease in working capital as analysed below			3,200,054
			=====

Effects on Working Capital

	<u>Increase</u>	<u>Decrease</u>	
	Rs.	Rs.	Rs.
Stocks	42,147		
Debtors	220,391		
Prepayments	153,803		
Deposits Receivable	-	9,797	
Treasury Deposits		2,874,116	
Money held in Advance by Treasury	598,285		
Creditors	14,659		
Accrued Charges		236,135	
Provision		1,513,491	
Cash and Bank Balance	404,200	-	
	1,433,485	4,633,539	3,200,054
	=====	=====	=====

2:5. Comments on Accounts

2:5:1. Lack of Evidence for audit

The following observation are made.

<u>Item in Accounts</u>	<u>Value</u>	<u>Observation</u>
	Rs.	
Debtors	587,429	Confirmations had not been received from 30% of the debtors involving 16.5% of the total value.
Creditors	90,908	(i) Confirmations had not been received from the creditors. (ii) This also included Rs.81,613 remaining unsettled for over 5 years and Rs.9,295 remaining unsettled for over 2 years.

2:5:3. Inconsistent disclosure.

The operations of the seven Special Funds had been disclosed in the Balance Sheet as at December 31, 1965 in a manner different from that adopted in the previous year, in that the net balance of the Special Funds, after adjustments for prior years had been shown in the Balance Sheet whereas in the previous years, adjustments to the opening balances were shown in the Balance Sheet itself.

2:5:4. Inappropriate disclosure

The following inappropriate disclosures were observed.

<u>Item</u>	<u>Value</u>	<u>Observation</u>
	Rs.	
Hire	52,882	Amount recoverable against 75 invoices had not been brought to account.
Stock Balance	332	Overstated due to the following differences in the stock sheets.
		Excesses on 4 items Rs. 981
		Shortages on 2 items Rs. 649
		Net excess 332

Treasury Deposit Account	7,946,057) These Balances did not agree with the Treasury books.
Money held in Deposit		
by Treasury Account	4,921,386	

2:5:5. Non-Compliance with Rules, Regulations and Management Decisions

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. It was however observed that 10% of the petty cash imprests outstanding, as at the end of the year under review represented imprests granted over three months before and not settled within the stipulated time limit;

3. 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 incompleeted projects and the research Grants as at December 31, 1985 is given below :

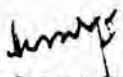
<u>Year of Accounts</u>	<u>1 year Grants</u>	<u>2 year Grants</u>	<u>3 year Grants</u>	<u>4 year Grants</u>	<u>Total</u>
1979	-	-	01	-	01
1980	-	-	-	-	Nil
1981	-	01	-	-	01
1982	02	-	-	-	02
1983	03	11	20	05	39
1984	20	10	14	-	44
1985	<u>29</u>	<u>16</u>	<u>16</u>	<u>-</u>	<u>61</u>
	54	38	51	05	148
	==	==	==	==	==

The approved duration of 38 research grants had expired at the end of 1985.

5. Systems and Controls

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

- (i) Material Control
- (ii) Budgeting
- (iii) Receipts
- (iv) Research Projects.


(W. Gemini Sps)
AUDITOR GENERAL.

L/-

Comments of the Authority on the Audit Report of the Accounts
for the Year ending 31st December 1985

2.5.1 Lack of Evidence for Audit

<u>Item In Accounts</u>	<u>Value</u> Rs.	<u>Comments</u>
Debtors	587,429/=	30% of debtors balances unconfirmed are some cash imprests held by research grantees for carrying out their research work and will be recovered as the work progresses.
Creditors	90,908/=	Schedule No. 8 attached to the accounts for the year clearly shows details of the creditors amounting to Rs. 90,908/=. Note No. 3.1 to accounts has explained the nature of the creditors. These creditors mainly represent some balances lying to the credit of Ex grantees, to be set off against cost of research work which they were expecting to carry out. Therefore it is not possible to obtain confirmations as in the case of normal creditors. Creditors amounting to Rs. 80,795/= had been written off in the year 1986.

2.5.3 Inconsistent Disclosure

The presentation of special funds in the balance sheet was changed in 1985 in order to give a better picture of the state of affairs at the year end. The present practice will be consistently applied in future.

2.5.4 Inappropriate Disclosure

Invoices	52,882/=	The value of 15 invoices raised mainly for Room hire charges at the International Youth Year Exhibition held in 1985 amounting to Rs. 52,882/= had been omitted due to an oversight, and this had been rectified in 1986.
----------	----------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Stock Balances

Mistakes mentioned re. stock balances had been only clerical errors in reporting stock balances and these had been rectified in 1986.

Treasury Deposit A/C 7,946,057/= }
Money held in deposit 4,921,386/= }
by Treasury A/C

These balances do agree with the Treasury books. Auditor General's comment regarding this matter does not appear to be correct.

This observation was not made in the Auditor General's report under sec.14(2)(c) of the Finance Act No. 38 of 1979, to enable us to point out the discrepancy.

2.5.5 Non Compliance with rules
regulations & Management
Decisions

This refers to grants given to researchers in other institutions; There is often an inevitable delay in carrying out the research work, which accounts for why in a small percentage of cases, the 3 months rule is not adhered to. It is considered inadvisable to increase the 3 months limit for all grants.

3. Financial & Operating Review
Research Grants

Out of the 38 research grants whose official duration had expired at the end of 1985, 13 grants had been since completed. 4 grants had been terminated; 1 grant was withdrawn in 1986. Final reports were awaited on 16 grants, and 3 grants had been given official extensions. 1 grant had been combined under another ongoing grant to enable completion of the work.

5. Systems & Controls

Controls over materials, budgeting, receipts and research projects are maintained satisfactorily. A few short-falls that had been reported in the maintenance of the relevant records, also had been since rectified.