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ANNUAL REPORT

1983

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இலங்கை இயற்கைவள, சக்தி விஞ்ஞான அதிகாரசபை

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

ANNUAL REPORT
OF THE
NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA
FOR THE
FINANCIAL YEAR 1983

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Natural Resources, Energy and
Science Authority of Sri Lanka,
47/5, Maitland Place,
Colombo 7.
31st December 1984.

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

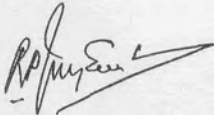
Your Excellency,

ANNUAL REPORT OF THE NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF
SRI LANKA FOR THE PERIOD 1st JANUARY TO 31st DECEMBER 1983.

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 1983
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 - 1983

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

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

ii. Principal Staff

Director-General

Dr. R.P. Jayewardene

M.D.; F.R.C.P. (Lond)

Deputy Director-General

Mr. L.C.A. de S. Wijesinghe

B.Sc. Hons. (Ceylon); M.A. (Oxon)

Directors (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)

Scientific Officers

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

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

Mr. K.S.S. Liyanage, B.Sc. Hons. (Cey.) Overseas training

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

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

Administrative Secretary

Mr. A.E. de Alwis, B.Sc. (Econ.) Lond.

Accountants

Mrs. C. Jayamanne

Miss N.P.M.M. Senanayake

Staff Assistants

Mrs. V. Galapitige,	B.Sc. (Cey.)
Mr. J.W. Chandrasekara	B.Sc. (Cey.) Dip. Stat (Cey.)
Mrs. J.D. Athputarajah	B.Sc. (Cey.)
Mrs. B. Sachithanathan	B.Sc. Hons (Cey.)
Miss C.M. Anthonypillai	B.Sc. (Cey.) M.Phil (Cey.)
Mr. J.A. Chandrasiri	B.Sc. Hons (Cey.)
Mr. M.A.N. Gunaratne	B.Sc. Hons (Cey.)
Miss J.D.S. Dela	B.Sc.(Cey.)

Director (Information)

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

Documentalists

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

Mrs. S.R. Sri Nammuni, A.S.L.L.A.

Graduate Translator

Mrs. S.L. Tilakarante, B.A. (Cey.)

III Recruitments during the year

Mr. J.A.D. Felician	1.3.83	Camera Operator/Litho Operator
Mr. K.K. Asoka	8.8.83	Labourer
Mr. K.A. Ranatunga	8.8.83	Labourer
Mr. M.L. Cooray	8.8.83	Labourer
Mr. W.W.Wickramasinghe	3.10.83	Litho Operator
Miss K.C.T.T.K. Fernando	1.11.83	Asst. Accountant
Miss R.M.T. Sriyani	1.11.83	Asst. Accountant
Mr. H.W. Piyasena	1.11.83	Accounts Clerk
Miss R.U. Ratnayake	1.11.83	Accounts Clerk

Mr. L.G. Dharmadasa	1.11.83	Driver
Mr. D.S. Fernando	1.11.83	Driver

Resignations during the year

Miss Deepanie de Silva	1.02.83	Steno Typist
Mrs. C.M. Fernando	31.03.83	Scientific Officer
Mr. S. Sivapalan	1.04.83	Steno Typist
Mr. J.S. Malawansa	20.05.83	Labourer
Miss H.S. Uduwela	1.07.83	Assistant Accountant
Mrs. H.P. Wanasundara	30.09.83	Documentalist
Mr. G.A.S. Ganepola	5.09.83	Accounts Clerk
Mr. K.H.S. Siriwardene	5.12.83	Library Assistant

1.0 Activities of the Authority

Eleven meetings of the Authority were held during this year. The more important items of business carried out by the Authority during the year were as follows :

- * Approval of research projects for funding under the research grants scheme of NARESA;
- * Selection of research project preproposals for funding under the US AID programme for science collaboration;
- * Selection of six research projects for recommendation to the Swedish Agency for Research Co-operation with Developing Countries (SAREC);
- * Completion of the report on "A National Computer Policy for Sri Lanka" by the special working committee appointed for this purpose;
- * Approval of a supplementary list of research project for funding under the NARESA grants scheme;
- * Approval of a proposal for NARESA to administer research projects funded under the CIDA Potash Fertilizer Aid Programme;
- * Approval of a programme of collaborative research proposed with the University of Cardiff on integrated pest management in rice;
- * Selection of a candidate for the award of the IBM/Sri Lanka Prize;
- * Organization of the General Conference of the International Federation of Social Science Organizations;
- * Organization of the Final Review Meeting of the Asia Pacific Rural Technology Programme;
- * Organization of seminars and training programmes for scientists science editors and science librarians.

2.0 Activities of the Statutory Working Committees

The 10 statutory working committees that functioned under the Authority are Science Education Research, Scientific and Technical Information, Social Sciences, Agriculture and Animal Husbandary, Biological Sciences, Chemical Sciences, Medical and Veterinary Sciences, Physical and Engineering Sciences, Natural Resources, and Energy.

The work of the statutory working committees are summarised in paras 2.1 to 2.10.

2.1 Committee on Science Education Research (SERC)

2.1.1 Meetings

Seven meetings were held during the period January - December 1983.

2.1.2 Grants

Nine grants were awarded.

2.1.3 Committee for review of teachers salaries

A delegation of five members of the Working Committee made oral representations regarding the salaries of graduate teachers to the Salaries Review Commission of the Department of Education.

2.1.4 Science Teachers Association

The Committee discussed the possibility of setting up a "Science Teachers' Association". Mr. A. Weerasinghe teacher Trinity College, Kandy who was invited for a discussion was requested to formulate a draft constitution for the association.

2.1.5 Awards in science education

The Committee recommended the initiation of a scheme to grant merit awards for outstanding achievements in the teaching and learning of science at the secondary school level as a means of upgrading the standard of science teaching and popularization of science. Criteria to be used in selection of, (a) merit awards for school science students of the year, and (b) merit awards for school science teachers of the year were drawn up by the Committee.

2.2 Committee on Scientific and Technical Information

2.2.1 Meetings

Four meetings were held during the year.

2.2.2 Mr. A. Devaraja resigned from the Committee in May 1983. Mr. G.P.S.H. de Silva, Director, Department of National Archives was appointed to the Committee in place of Mr. Devaraja with effect from 16 June 1983. Mr. C.J. Seneviratne member of the Committee died on 16 September 1983.

2.2.3 The Committee had a special meeting with UNESCO consultant, Mr. J.D. Olier, regarding SLSTIC services. Computerization of the Union Catalogues, opening a register of translation, microfiche bureau services and improvement of photocopying services were some of the items discussed by the Committee.

2.3 Committee on Social Science Research

2.3.1 Meetings

Fourteen meetings were held during the year.

2.3.2 Research grants for social sciences

Number of Grants awarded in 1983	- 20
Total number of functional grants in 1983	- 48
Number of grants completed	- 12
Number of grants terminated	- 03
Number of grants withdrawn	- 02
Number of functional grants at the end of 1983	- 31
Copies of theses (Post graduate) received	- 06

2.3.3 Research grants application for 1984

Number of applications received	- 24
Number of grants awarded	- 17

2.3.4 SAREC Funds for social science research grants

Applications were called for the awarding of research grants in Social Sciences to be funded by SAREC, which had offered a grant of around Rs. 300,000/- for social science projects sponsored by NARESA. 35 applications were screened and 9 were recommended to SAREC for their approval.

2.3.5 IFSSO General Conference

The 6th General Conference of the International Federation of Social Science Organizations (IFSSO), held in Colombo from the 22nd - 25th November 1983, was organized and hosted by NARESA. Delegates from Bangladesh, Bulgaria, Canada, Czechoslovakia, Denmark, Finland, France, India, Ireland, Japan, Korea, Sweden and United Kingdom participated.

2.3.6 Papers on National Perspectives on Social Science Development

Papers were requested from several heads of departments and members of the Working Committee on Social Science on the above topic. Nine papers were received. A resume of these papers was prepared by Prof. Ralph Pieris and presented at the 5th General Conference of AASSREC held in Sydney, Australia in December, 1983.

2.4 Committee on Agriculture and Animal Husbandry

2.4.1 Meetings

Six meetings were held during 1983.

2.4.2 Research grants for agriculture and animal husbandry

Number of Grants awarded in 1983	- 10
Total Number of functional grants in 1983	- 23
Number of grants completed	- 04
Number of grants terminated	- 03
Number of grants withdrawn	- None
Number of functional grants at the end of 1983	- 16
Copies of theses (post graduate) received	- None

2.4.3	<u>Research grants application for 1984</u>	
	Number of applications received	- 10
	Number of grants awarded	- 06

2.5 Committee on Biological Sciences

2.5.1 Meetings

Nine meetings were held during this period.

2.5.2 Research grants for biological sciences

	Number of grants awarded in 1983	- 18
	Number of functional grants in 1983	- 43
	Number of grants completed	- 11
	Number of grants terminated	- 02
	Number of grants withdrawn	- 02
	Number of functional grants at the end of 1983	- 28
	Copies of theses (post graduate) received	- 01

2.5.3 Research grants application for 1984

	Number of applications received	- 27
	Number of grants awarded	- 09

2.6 Committee on Medical and Veterinary Sciences

2.6.1 Meetings

Four meetings were held during this period.

2.6.2 Research grants for medical and veterinary sciences

	Number of grants awarded in 1983	- 19
	Number of functional grants in 1983	- 43
	Number of grants completed	- 09
	Number of grants terminated	- 02
	Number of grants withdrawn	- 04
	Number of functional grants at the end of 1983	- 28
	Copies of theses (post graduate) received	- 01

2.6.3 Research grants applications for 1984

	Number of applications received	- 12
	Number of grants awarded	- 09

2.6.4 Other Activities

(a) Directory of Dissertations and Theses

Requests for information on the dissertations and theses done in Sri Lanka were sent to all the universities.

(b) Seminars

A seminar on "Presentation of Scientific Papers" was held for grantees and research assistants on Saturday the 22 October 1983.

2.7 Committee on Physical and Engineering Sciences

2.7.1 Meetings

Three meetings were held during this period.

2.7.2 Research grants for physical and engineering sciences

Number of grants awarded	-	03
Number of functional grants in 1983	-	07
Number of grants completed	-	04
Number of grants terminated	-	-
Number of grants withdrawn	-	01
Number of functional grants at the end of 1983	-	02
Copies of theses (post graduate) received	-	None

2.7.3 Research grants application for 1984

Number of applications received	-	06
Number of grants awarded	-	03

2.8 Committee on Chemical Sciences

2.8.1 Meetings

Five meetings were held in 1983.

2.8.2 Research grants for chemical sciences

Number of grants awarded in 1983	-	13
Number of functional grants in 1983	-	41
Number of grants completed	-	10
Number of grants cancelled	-	02
Number of grants terminated	-	01
Number of functional grants at the end of 1983	-	28
Copies of thesis (post graduate) received	-	06

2.8.3 Research grants application for 1984

Number of applications received - 11
Number of grants awarded - 10

2.8.4 Other activities

"A seminar on Land and Marine Plants of Potential Medicinal Value" was held on Saturday the 19th March 1983.

2.9 Working Committee on Natural Resources

2.9.1 Meetings

Five meetings were held during 1983.

2.9. Strategy for controlled management on natural resources

Several papers have been submitted on natural resources of Sri Lanka. The Committee has now finalised the arrangement for assigning the preparation of 4 manuscripts on the natural resources of Sri Lanka covering the following areas -

- (a) Climate of Sri Lanka
- (b) Physical features - geology and mineral resources
- (c) Soils land and land utilization
- (d) Population and manpower

The Committee prepared a draft format for each of these manuscripts and communicated with the selected authors.

2.9.3 Revision of the checklist of forest trees of Sri Lanka has been undertaken.

2.9.4 The Committee is also looking into the possibility of obtaining expert services for the preparation of a manuscript of plants of economic importance.

2.9.5 In response to a letter sent by the Presidential Secretariat regarding tapping of a spring at Ginigathena, the Committee visited the area and studied the proposal. A report on it was submitted to His Excellency the President.

2.9.6 A special meeting was held to discuss the need to widen the scope of the Soil Conservation Act. The recommendations made by the Committee was submitted to His Excellency the President.

2.10 Working Committee on Energy

2.10.1 Meetings

Six meetings were held during 1983.

2.10.2 Energy related R & D projects

The Committee studied the energy related projects carried out by different institutions in order to provide assistance required for work on the projects, as well as for commercialization of any technologies that have been developed.

2.10.3 Visit of the Energy Policy Mission

A seminar was organized at NARESA in connection with the visit of the energy policy mission of the North-South Energy Round Table (NSERT) sponsored by the Society for International Development.

2.10.4 Survey of Energy Use (Non-commercial and Kerosene) in Sri Lanka Households

A survey on the energy use (non-commercial and Kerosene) in Sri Lanka households was carried out by the Deputy Director-General.

2.10.5 CSC Workshop on Integrated Energy system

An information note received from the CSC on the proposed workshop on "Integrated Energy System" to be held in Sri Lanka in April 1984 was circulated to the concerned institutions.

2.10.6 National Energy Policy Guidelines

A draft proposal on "National Energy Policy Guidelines" was prepared by the Chairman, Dr. M. Munasinghe and Mr. G.B.A. Fernando.

2.10.7 Report on Energy from Agro-Products

The Cabinet Sub-committee on Economic Development requested NARESA to examine and report on a proposal made by the Ministry of Agricultural Development Research for the production of energy from agro-products. NARESA studied and submitted a report to the Cabinet Sub-committee. The report was accepted by the Cabinet

Sub-committee which requested NARESA to co-ordinate activities on the projects covered by the report. A meeting was held at NARESA to discuss the proposals that were made for the expansion of the ethyl alcohol industry and supply of energy from agro-products. Representatives from different ministries, departments and government corporations participated in the meeting.

2.10.8 OTEC programme

The Authority examined the proposal on Depth and Temperature Profiling at Trincomalee Bay and suggested that inquiries be made from NARA whether it could implement the project with assistance and collaboration from institutions local and abroad.

2.10.9 Specifically directed activities in the field of energy

The committee decided that NARESA may consider providing assistance for the following projects.

1. Selection of one or several models of fuelwood efficient domestic hearths used for cooking and popularising such hearths;
2. A directed activity on the fuelwood consumption and requirements for Sri Lanka for the next ten years;
3. A co-ordinated activity (with the Department of Agriculture) and other concerned agencies aimed at spreading the use of biogas technology;
4. Assistance to NERD Centre for commercialization of the solar cooker developed by the Centre.

3.0 Other Committees and Study Groups

3.1 National Committee on Man and Biosphere Research Programme

3.1.1 Meetings

Four meetings were held during this period.

3.1.2 MAB research projects

1. Demarcation and maintenance of MAB reserves

2. Education and training in environment studies (flora and fauna)
3. Monitoring of physical environment in the Mahaweli (climate and hydrology)
4. Monitoring of the pesticides and water quality in areas B and H of the Mahaweli.

3.1.3 Publications

One handbook and a check list were published.
(see paragraph 7.6)

- 3.2 Working Committee on National Computer Policy for Sri Lanka
Mr. N.U. Yapa served as the secretary of this committee. The Committee met 8 times during 1983. The final report of the Committee was submitted to His Excellency The President in April 1983.

4.0 Foreign Grants for Research

4.1 SAREC Water Buffalo Research Programme

The Advisory Committee on the Water Buffalo Research Programme met thrice while the Buffalo Research Committee met four times during 1983. The project documents and the allocation of funds for the 12 projects accepted by SAREC were completed.

A sum of Rs. 2,293,228 was remitted to NARESA by SAREC to meet the first year's commitments for the Buffalo Research Programme.

During the first week of April, a 3 member team from SAREC visited Sri Lanka for further discussion of SAREC support for research in Sri Lanka.

Following ratification by the Authority, 10 of the 12 projects accepted by SAREC were issued letters of award under the Buffalo Research Programme. Two projects have been postponed for 1984 on the requests of the respective grantees. Grantees were requested to submit short progress report for May-June 1983 together with a statement of the requirements for 1984 and 85 to be forwarded to SAREC.

The summary of on-going grants under the Buffalo Research Programme is appended below :

NARESA - SAREC Water Buffalo Research Programme

Name of grantee	Project title	Total amount allocated for 1983
1. Prof. R. Rajamahendran	Reproductive physiology of swamp and river buffaloes	233,100.00
2. Dr. B.M.A.O. Perera	Clinical & hormonal studies on the reproductive functions of indigenous buffaloes in Sri Lanka	122,080.00
3. Dr. D.J. Weilgama	Studies on theileriosis in buffaloes	177,800.00
4. Prof. S.T. Fernando	Pathophysiology, immunology, treatment and prevention of <i>Neosascasis vitulorum</i> and other intestinal nematodes affecting buffalo calves within first three months of birth	606,100.00
5. Dr. S.S.E. Ranawana	Mineral nutrition in the buffalo	98,060.00
6. Dr. M.C.L. de Alwis	Epizootiological and pathological studies on haemorrhagic septicaemia in Sri Lanka	37,000.00
7. Dr. G.S. Peiris	Studies on infections conditions of infertility in the buffalo	47,000.00
8. Dr. N. Tilakaratne	Growth, reproduction and the overall economics of Lanka buffalo in relation to management and feeding systems	50,900.00
9. Dr. S.G. Illangantilake	Evaluation of draught capabilities of buffalo breeds under varying conditions	136,260.00

Name of Grantee	Project title	Total amount allocated for 1983
10. Dr. K.K. Pathirana	Evaluation of the potential of rice straw based rations for milk production with buffaloes	46,569.00
11. Dr. J.A. de S. Siriwardene	Development of buffalo research farm at Mawathagama, Kurunegala	NARESA 100,000.00
12. Dr. B.M.A.O. Perera	Development of buffalo research farm, University of Peradeniya	450,000.00

4.2 SAREC research grants for 1983 - 84

A total of 31 applications were received for the award of new grants. Out of these, 6 proposals were considered and finally five projects were recommended by the Authority for SAREC funding.

The recommended projects are as follows -

	<u>1984</u>	<u>1985</u>
(1) Inland Fisheries Research Programme (Ruhunu University College)	1114,000	465,000
(2) Zoological Survey of Sri Lanka	1223,440	744,640
(3) Solar Radiation <u>Recording Centre</u>	874,520	54,220
(4) Corrosion Research and Service Unit (University of Colombo)	1058,000	691,500
(5) Central spectroscopy Facility (NARESA)	3579,000	2601,600

In addition to the above, a request has also been submitted for

- (a) Social Sciences (Rs. 139,645)
- (b) Additional support for the Electronic Repair Workshop (Rs. 500,000)
- (c) Contingency fund for spare parts (Rs. 500,000)

(d) Fund for international contacts

(Rs: 500,000)

4.3 CIDA grants

The research projects that were started out of the research components of the Canadian Potash Grant to Sri Lanka were co-ordinated by NARESA. The grants were advertised in the national press in May, and the applications received were evaluated by the Working Committee on Agriculture and Animal Husbandry and recommendations were made to CIDA the Canadian Government agent for the project.

Number of applications received - 14
Number of applications recommended by the working committee - 14
Number of grants funded by CIDA up to 1983 December - 11

4.4 US AID funded research projects

Scientists were invited to submit research project for funding on the US AID Programme in Science and Technology Co-operation. Scientists from a number of developing countries compete for funds under this programme. A number of projects were submitted and three were selected by the US AID Science Advisor in Washington DC.

These are :

Improving nitrogen fixation in grain legumes

(Dr.J.M.R.S. Bandara)

Collection, introduction and characterization of important root and tuber crops

(Prof. H.P.M. Gunasena)

Biological control of insect pests of vegetables

(Dr.I.D.R. Peiris)

An agreement was signed with US AID in terms of which a grant of US \$ 117704 was to be made by US AID to finance these three projects.

5.0 Sri Lanka Scientific and Technical Information Centre and Library Services

5.1 UNDP Project

Mr. J. D. Olier, UNDP consultant left in January after completing the assignment at SLSTIC.

UNDP provided additional funds, as agreed at the Tripartite Meeting held on 8 November 1982, to obtain certain accessories for the enhancement of the capabilities and efficiencies of the equipment.

5.2 Co-ordination

5.2.1 Sri Lanka Scientific and Technical Information Network (SLSTINET)

A meeting was held at NARESA to discuss the formation of an Industrial Information Network. 17 librarians attached to libraries in the industrial and management organizations participated at this meeting.

5.2.2 Agricultural Information Network (AGRINET)

This network which was organized by SLSTIC to co-ordinate the activities of libraries in the agricultural organizations, had 24 participating libraries. Two meetings of the agricultural librarians were held during the year. The selective dissemination of contents page service was continued.

An user-seminar was organized at RRI, Agalawatte for the research personnel at RRI on 19 January 1983.

5.2.3 Renewable Energy Resources Information Network (RERINET)

A meeting of RERINET librarians was held on 31st January 1983, to allocate specific subject areas for the subject specialization programme.

5.2.4 Health Science Literature and Library System (HELLIS)

HELLIS Network was co-ordinated by the University of Colombo, Medical Faculty Library. Two meetings of the network were held during the year.

5.3 Co-operative Programmes

5.3.1 Union Catalogue of Scientific and Technical Books (UNICAST)

UNICAST was compiled with the co-operation of 30 scientific libraries. During the year 5331 books were

entered in Unicast. Since January 1983, information of libraries was input into the SLSTIC computer to create a data base.

5.3.2 Union List of Scientific and Technical Periodicals (UNILIST)

A supplement to the UNILIST was issued in June 1983. It contained up-to-date information of about 3055 scientific periodicals.

5.4 Services

5.4.1 National Scientific Reports Depository

473 reports were added to the reports depository during the year.

5.4.2 Input to international information systems

SLSTIC was responsible for in-puting information about local documents to a number of international information systems. Input made during the year was as follows.

ASCA	7 documents
CRRERIS	93 documents

5.4.3 Renewable energy resources information service

With assistance from RERINET libraries, periodical content page service was organized, for the benefit of research workers. Literature searches were undertaken and information packages were distributed among the information users. Most requests were satisfied through Commonwealth Regional Renewable Energy Resources Information System.

5.4.4 Inter library loan

Ninety Eight local requests for inter library loans were handled.

5.4.5 Sri Lanka Science Index

SLSI recorded the local output of scientific literature. It contained bibliographic information about scientific reports, seminar documents and articles in local periodicals and newspapers. During the year SLSI vol. 5 No. 3 and 4 were published.

5.4.6 Photocopying service

84429 photocopies were taken during the year 1983. Rs. 4045.75 were earned by supplying photocopies on personal requests. Outside sources (local and foreign) were contacted to satisfy photocopying requests when originals were not available. During 1983, 52 requests were satisfied through local and foreign suppliers. Cost of procurement was Rs. 1757.20.

5.4.7 National Technical Information Service (NTIS) reports procurement

Five reports were procured at a cost of Rs. 1352.00. AMTID, a monthly bulletin on appropriate technology for development, was distributed among the regular customers.

5.4.8 Printing services

271,731 impressions were taken using the office off set printing machine, on 132 requests. The major printing jobs undertaken were; research grant documents, Proceedings of the Workshop on Pesticides, Workshop on Marine Resources, SLSTINET newsletter, microfilm services, seminar documents, the Aetiology of Chronic Liver Diseases, letter headings of NARESA, UNICAST input sheets, Current Contents Energy No. 1/1983, Current Contents Energy No. 2/1983, UNILIST supplement 1982, Report of the Working Committee on a National Computer Policy for Sri Lanka, NSC Annual Report 1982, UNICAST Vol. 3 No. 4 UNICAST Vol. 4 No. 1, Sri Lanka Science Index Vol. 5 Nos. 3 & 4, Brochure on NARESA.

A Heidelberg printing machine and a printing camera were installed during 1983.

5.5.9 Stencil duplication

Twenty Two requests for duplicating 27,250 impressions were executed.

5.5.10 Binding

2765 items were bound during the period under review.

5.5.11 Microfilming

Certain problems associated with micro reduction for 270 frames were corrected. 39 microfiches were made during the year. The major jobs undertaken were -

- a. Journal of the National Science Council
- b. Vidurawa
- c. Report of the Seminar on Energy Policy
- d. Report of the Workshop on Inter-country Co-operation,
- e. Energy in Sri Lanka.

A seminar was organized to promote Microfiche Bureau Services offered by SLSTIC.

5.5.12 Audio visual services

SLSTIC maintained a pool of AV equipment for hiring out to scientific and technical institutions for their staff development activities. AV services were also provided for the conferences organized by NARESA.

5.5.13 Computerization

Systems analysis and programming for the following data bases were executed.

- a. UNICAST (Union catalogue of scientific and Technical Books)
- b. UNLIST (Union List of Scientific and Technical Periodicals)
- c. Library Directory,
- d. SLSI (Sri Lanka Science Index)

Operators for data entry were trained.
Word processing capabilities of the computer was made use to prepare reports of the seminars conducted by NARESA.

6.0 Awards and Prize

6.1 IBM Sri Lanka Prize

Following an offer from IBM World Trade Corporation (Sri Lanka) to award a cash prize of Rs. 50,000/= for achievements in technological research and development, NARESA proceeded to invite nominations from institutes, corporations, government departments and professional bodies. Seven nominations were received initially. However, as it was felt that the response was poor, fresh applications were called in September 1983 through advertisement in the national newspapers. The eight applications received were screened by the Authority, and the nomination submitted by the Ceylon Tobacco Company was selected for further scrutiny. Several members of the Authority visited the establishment to study the project, and a technical report on the energy balance of this technological development was prepared by Mr. U.G. Bulumulle.

6.2 Brady Prize for best article in the Sri Lanka Journal of Social Sciences

A donation of Rs. 3500/= had been made for this purpose by Mr. James R. Brady Assistant Director U.S. Agency for International Development of the US Embassy in Sri Lanka. Out of this prize money, 2 prizes of Rs. 1000/= each were awarded; one for each of the best articles appearing in Vol. 4 No. 1 and Vol. 4 No. 2.

7.0 Publications

7.1 Journal of the National Science Council of Sri Lanka

- 1.1 Vol. 10(1) June 1982 was completed at the Sri Lanka University Press Katubedda.
- 1.2 Editorial processing and printing of Vol. 10 (2) December 1982 were done.

- 1.3 Thirty seven scripts were received for publication in 1983.
- 1.4 One hundred and fifty sets of the back issues of the journal (Vol. 1-5 No. 1 & 2) were sent to selected foreign universities, research institutions, libraries, etc. on a complimentary basis.

7.2 Vidurawa

7.2.1 English

Vol. 6 No. 2 (MAB Programme) was published.

7.2.2 Sinhala

The following were published in Sinhala :

Vol. 5 No. 1 Research in the Plantation Sector,
Vol. 5 No. 2 Research in the Sri Lankan Universities,
Vol. 6 No. 1 Chemistry, Industry and the Citizen.

7.2.3 Tamil

Vol. 4 Nos (2 & 3) Harnessing of Sri Lanka's Natural Resources was published in Tamil.

7.3 Medicinal Plants Used in Ceylon

Medicinal Plants Used in Ceylon by D.M.A. Jayaweera Part V was completed.

7.4 Sri Lanka Journal of Social Sciences

Printing of Volume 5 No. 1 was nearing completion.

7.5 Social Science Research Methodology

Printing of the seminar report of Social Science Research Methodology, was completed in Nov. 1983.

7.6 Man and the Biosphere publication

A Handbook on the Fungi Associated With Insects of Sri Lanka and a Checklist of Land Snails of Sri Lanka were published.

7.7 The Proceedings of the International Workshop on Resistance to Pesticides used in Agriculture and Public Health

The above proceedings were off-set printed by NARESA and issued to participants. The publication was made available to others at Rs. 100/= each (excluding postage)

7.8 Science education Publications

1. Mutation and Environmental Mutagens - No. 10 was published.
2. "Protozoa" and Use of Fertilizers and Manures in Sri Lanka (sinhala), and "Dried Fish" (tamil) are in press.
3. Science Investigation - No. 2 Journal was published.

7.9 SLSTINET News letter

Two issues of the newsletter were published in 1983.

8.0 Training Seminars and Courses

8.1 User education seminar on "Source of Scientific Information"

The seminar was held on 25 February '83 from 9.00 a.m. to 4.00 p.m. at the NARESA Auditorium. The 33 participants included scientific researchers and a few library personnel.

8.2 Seminar on microfiche services

A seminar on the use of microfiche was held on 25 March '83. The lectures were followed by a demonstration of equipment used for microfiche services by 4 firms. There were 47 participants which included management and research personnel.

8.3 Workshop for the agricultural research workers

A workshop for the agricultural research workers who handle documentation services was organized by SLSTIC at the request of the Department of Agriculture. The workshop was held from 16 - 20 May 1983 at ARTI.

8.4 Workshop on HELLIS network techniques

A workshop on network techniques for the libraries participating in HELLIS was held at the NARESA Auditorium on 28 October 1983. 14 libraries participated in this network.

- 8.5 Miss Ramya de Silva, Documentalist, followed a course in advance basic programming and Mr. M.A.N. Gunaratne, Staff Assistant, followed a course in basic programming. Misses Kamala Peiris, Ganeswarie Ganeshan and Srimathi Rajaratna stenographic typist followed 3 weeks training programme in word processing.

8.6 Seminar on standards for editing and publishing scientific journals

Above seminar was held on 2nd and 3rd September 1983, at NARESA Auditorium. It was co-sponsored by the Committee on Science and Technology in Developing Countries (COSTED) and the Asian Science Communications Organization (ASCO). Editors of scientific journals participated in the seminar.

9.0 International Collaboration

9.1 Commonwealth Science Council

The Final Review Meeting of the Commonwealth Science Council's Regional Rural Technology Programme was held in the NARESA Auditorium from 21-23 February 1983. This meeting was attended by participants from Australia, Bangladesh, Malaysia, Papua New Guinea, Seychelles and Sri Lanka, and was co-sponsored by NARESA and CSC.

The Authority endorsed new areas for future co-operative scientific and technological programmes of CSC, and nominated specialists for the proposed task force. The Authority also accepted an invitation to host a regional workshop on "Integrated Energy Systems" during April 1984.

9.2 Indo Sri Lanka Agreement

There have been no new activities under this programme during 1983. The Authority renewed its previous request for a meeting of the liaison centres in order to review activities under this programme. There has been no positive response to this request from the Indian side.

10.0 Lectures

10.1 M. N.U. Yapa, Director Information, delivered a lecture on "Bibliographical Formats for the Automated Information Retrieval and Storage", at a meeting of the librarians held on 21 January 1983 at the Colombo Public Library Auditorium.

10.2 Mrs. N. Wanasundera, Documentalist, delivered a lecture on "User Education and its Importance" at a seminar organized by the National Library Services Board for out-station public library personnel.

11.0 Nominations for Seminars, Conferences, Training Courses, etc.,

11.1 A nominee from the Ceylon Petroleum Corporation and a nominee from the Biology Department, University of Peradeniya recommended by NARESA, were accepted by the Commonwealth Science Council to follow a training workshop on Coastal and Off-shore Exploration and Exploitation.

11.2 Mrs. N. Amarasuriya participated in the third annual conference of the International Federation of Scientific Editors Associations in Philadelphia, USA May 1983.

11.3 Dr. R.P. Jayewardene, Director-General visited Scientific Institutions, Research Councils and universities in China May 1983.

11.4 Mr. N.U. Yapa, followed a library science course at the University of Western Ontario, Canada from 5 May to 23 December 1983.

11.5 Mr. M.A.T. de Silva participated in the SAREC sponsored meeting of Directors of National Research Councils, held in Sweden from 16-22 July 1983.

11.6 Mr. D.E.F. Ferdinandez participated in the Asian Regional Seminar on "Information Sources, Systems and Services in the Social Sciences" in Quezon City, Manila from 11 - 22 July 1983.

11.7 Mr. L.C.A. de S. Wijesinghe attended a multiregional programme on "Future Energy Resources" held in United States from 3 September to 2 October 1983.

11.8 Prof. Ralph Pieris represented NARESA at the 5th AASSREC Conference held in Sydney from the 4 - 10 December 1983.

11.9 Dr. A.M. Abeysekera from University of Peradeniya and Mr. W.H.M.W. Herath from MRI were nominated for the Training Workshop on "Standardisation and Quality Control of Medicinal Plants", held in Lucknow, India from 27 December 1983 to 3 January 1984.

12.0 Administration

12.1 The permanent staff at the end of the period under review totalled 91.

12.2 The number of casual employees who worked on Research Grants under the supervision of grantees and whose allowances were paid by the Authority as at the end of 1983 was 86.

12.3 The payment of gratuity, by Act. No.12 of 1983 came into effect from 31 March '83 and two officers who resigned from the Authority were paid gratuities in terms of the Act.

APPENDIX I

THE STATUS OF AGRICULTURE & ANIMAL HUSBANDRY RESEARCH GRANTS DURING 1983

Year of Award	Proposed Duration	No: of Grants	Status during 1983			Withdrawn
			Completed	Terminated	Continuing	
1978	1 yr	--	-	-	-	-
	2 yrs.	--	-	-	-	-
	3 yrs.	1	1	-	-	-
1979	1 yr	-	-	-	-	-
	2 yrs	-	-	-	-	-
	3 yrs	2	-	-	2	-
1980	1 yr	-	-	-	-	-
	2 yrs	1	1	-	-	-
	3 yrs	1	-	-	1	-
1981	1 yr	1	-	1	-	-
	2 yrs	3	1	1	1	-
	3 yrs	-	-	-	-	-
1982	1 yr	2	1	-	1	-
	2 yrs	1	-	-	1	-
	3 yrs	1	-	1	-	-
1983	1 yr	5	-	-	5	-
	2 yrs	4	-	-	4	-
	3 yrs	18	-	-	18	-

RESEARCH GRANTS PROGRESS DURING 1983

Agriculture & Animal Husbandry

Ref. No:	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/78/6	Dr.M.R.Thiagarajah Dept. of Agricultural- Biology Faculty of Agriculture University of Peradeniya	Effects of moisture stress on photosynthesis and nitrogen fixation in cowpea and winged bean cultivars.	1978	3 years	65060.00	Completed
RG/79/2	Prof.Y.D.A. Senanayake Fac. of Agriculture Univ. of Peradeniya	Studies on winged bean <u>Psophocarpus tetragonolobus.</u>	1979	3 years	80040.00	On-going
RG/79/4	Dr.L.A. Gunawardena Fac. of Agriculture Univ. of Peradeniya	Breeding for beef in Sri-Lanka.	1979	3 years	98700.00	On going
RGB/80/1	Dr.K.K.Pathirana V.R.I. Gannoruwa.	Utilization of rice straw as a ruminant feed stuff.	1980	2 years	10551.00	Completed
RGB/80/59	Dr.W.S. Alles Dept. of Minor Export-crops, Matale.	Studies in the genus <u>Cinnamomum.</u>	1980	3 years	50855.00	On going
RGB/81/2	Dr.V.Pavanasasivam <u>In March 1982 transferred to - Prof.M.W. Thenabadu</u> Dept. of Agri. Chemistry Fac. of Agriculture Univ. of Peradeniya	Indigenous organic residues as a source of S for plants.	1981	2 years	72360.00	Terminated

Ref. No:	Name & Institution	TITLE	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/81/3	Dr.C.S. Weeraratne Faculty of Agriculture Ruhuna University College Matara.	Studies on nitrogen losses and control in wetland rice soils.	1981	2 years	41440.00	Completed
RGB/81/4	Mr.Mahinda Wijeratne Dept. of Agric. Economics Ruhuna University College. Dr.S.Pinnaduwa Faculty of Agriculture Univ. of Peradeniya.	Methods of land preparation in paddy cultivation in the Kamburupitiya area.	1981	1 year	2000.00	Terminated
RGB/81/7	Mr.D.T. Ekanayake Miss.N.P.U. de Silva Royal Botanical Gardens Peradeniya. Dr.V.Yogaratnam Agricultural Research Inst. Seta-Eliya, Nuwara-Eliya.	Evaluation of some cultural aspects of Anthuriums, a promising cut flower for Sri Lanka.	1981	2 years	85000.00	On going
RGB/82/1	Mrs.C.Breckenridge C.A.R.I., Gannoruwa. From March 1983 trans- ferred to: Dr.U.Samarajeewa Dept. of Agric. Chemistry Fac. of Agriculture Univ. of Peradeniya.	Mycotoxins in rice and basic investigations of mycotoxins in vegetable oils.	1982	2 years	50130.00	On going.
RGB/82/2	Dr.S.K. Charles Mr.R.Senaratne Dept. of Agronomy Ruhuna University College	Investigations on nodulation and nitrogen fixation by some cultivars of winged bean under stressed conditions.	1982	1 year	18250.00	On going

Ref. No:	Name & Institution	TITLE	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/82/3	Dr.S.N.de S.Seneviratne C.A.R.I., Gannoruwa.	Studies on seed borne pathogens of cultivated crops in Sri Lanka.	1982	3 years	42780.00	Terminated
RG/82/4	Mr.R.Mathanakaran Dept. of Geography Univ. of Jaffna	Water resources development in the Jaffna peninsula.	1982	1 year	3000.00	Completed
RG/83/1	Dr.M.A.S.K. Ramasinghe Dept. of Agric. Biology Fac. of Agriculture Univ. of Peradeniya	Investigation of the botanicals with a view to their potential application as pest-control agents in Sri Lanka.	1983	3 years	61400.00	On going
RG/83/2	Prof.C.S. Weeraratne Fac. of Agriculture Ruhuna University College	Studies on the use of green manures in crop production.	1983	3 years	45300.00	On going
RG/83/3	Prof.C.S. Weeraratne G.A. Dayatilaka Faculty of Agriculture Ruhuna University College	Effect of K ₂ O level on growth, physiological disorders, yield and fruit quality of tomato.	1983	8 months	9980.00	On going
RG/83/4	Dr.K.D.M. Waerasinghe Dept. of Agronomy Ruhuna University College	Effect of soil and rock factors on tapering (pencil points) disease of coconut plant in southern Sri Lanka.	1983	1 year	26700.00	On going

Ref. No:	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/83/5	Dr.S.Abeyssekera Statistical Unit University of Colombo	Analysis of climatic and crop data for agricultural purposes.	1983	1 year	21000.00	On going
RG/83/43	Mr.A.B.P. Jayawardena Mr.H. Peiris Mr.A. Perera Veterinary Research Inst. Gannoruwa/Peradeniya.	A whole farm evaluation of an experimental small holder dairy in the mid country.	1983	2 years	9940.00	On going
RG/83/61	Prof.H.P.M. Gunasena Mrs.I.P. Wickremasinghe Faculty of Agriculture Univ. of Peradeniya Peradeniya.	Genetic evaluations and selection of winged bean.	1983	2 years	46900.00	On going
RG/83/66	Prof.M.A. Pemadasa Mr.R.T. Serasinghe Fac. of Agriculture Ruhuna University- College, Matara.	Improvement of grass land productivity under coconut cultivation in southern Sri Lanka.	1983	1 year	79325.00	On going
RG/83/67	Dr.K.K. Pathirana Veterinary Research Institute., Gannoruwa.	Effect of variety & stage of harvesting of the nutritive value of rice straw for ruminants.	1983	1 year	5906.66	On going
RG/83/68	Dr.G. Keerthisinghe Mr.K.A. Nandasena Dept. of Agric. Chemistry Univ. of Peradeniya	Studies on the availability of phosphorus of some of the important soils in Sri Lanka.	1983	2 years	24879.99	On going

CIDA PROJECTS

Ref. No:	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
CIDA/83/01	Dr.S.L. Amarasiri Mr.K.Wickremasinghe Mr.M.A.Lathiff C.A.R.I., Gannoruwa.	Determination of the potassium status of Sri Lankan rice soils & evaluation of the effect of potassium fertilizer on the growth of rice.	1983	3 years		On going
CIDA/83/02	Dr.S.L. Amarasiri Mrs J.S. Padmasiri C.A.R.I. GANNORUWA.	Evaluation of the potassium requirements of banana in the midcountry wet zone of Sri Lanka.	1983	3 years	107250.00	On going
CIDA/83/03	Dr.C.Keerthisinghe Mr.M.A. Nandasena Prof.M.W. Thenabadu Dept. of Agric. Chemistry Fac. of Agric. Univ. of Peradeniya	Effect of Potassium buffer capacity & the mobility of nonexchangeable potassium on the availability of potassium in some of the important rice soils of Sri-Lanka.	1983	2 years	295625.00	On going
CIDA/83/04	Mr.M. Jeganathan Miss. Malathi Nirmala-Dias C.R.I. Lunuwila.	Studies on K-Mg interaction in coconut.	1983	3 years	473000.00	On going
CIDA/83/05	Mr. Meerasinghe Mr.J.D.N. Wijewardena Mr.J.M.P. Jaysundara Regional Agricultural- Research Centre, Bandarawela.	Fertilizer studies on selected vegetable crops in the upcountry with emphasis on residual activity of soil P & K.	1983	3 years	427790.00	On going

Ref: No:	Name & Institution	TITLE	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
CIDA/83/06	Dr.K.N.Wickramasinghe Dr.S. Krishnapillai Dr.D.K. Weerasinghe Tea Research Institute Talawakella.	To evaluate the efficiency of utilization of potash fertilizers for tea in Sri Lanka with special reference to soil fertility and crop production.	1983	3 years	429000.00	On going
CIDA/83/07	Mr.M. Watson Mr.G. Wadasinghe Tea Research Institute Ratnapura.	Role of Potassium in relation to drought hardiness in young tea.	1983	3 years	231770.00	On going
CIDA/83/08	Dr.M.K.S.A. Samaraweera Rubber Research Inst. Agalawatta.	Study of the potassium and magnesium deficiencies in young rubber.	1983	3 years	349250.00	On going
CIDA/83/09	Dr.N. Yogarathnam Rubber Research Inst. Agalawatte.	Potassium nutrition of <u>Havea brasiliensis</u> and associated covers. (1) Soil and leaf analysis as a guide to Potassium nutrition of <u>Havea brasiliensis</u> . (2) Effect of different levels of K on Mg up-take by immature rubber. (3) Potassium nutrition of <u>Havea</u> in relation to stimulation. (4) The influence of K on the N status of leguminous covers and its effect on the N status and growth of <u>Havea</u> during the immature phase.	1983	3 years	537625.00	On going

Ref. No:	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
CIDA/83/10	Mrs.L.V.K. Liyanage C.R.I., Lunuwilla.	To study the effects of nitrogen, phosphorous, potassium & magnesium fertilizers on the early growth and nutrient up take of leguminous cover crops. (<i>Pueraria</i> spp.) under coconut.	1983	3 years	52800.00	On going
CIDA/83/11	Dr.K.P. Premaratne Prof. H.P.M. Gunasena Fac. of Agric. Univ. of Peradeniya	Fertilizer Potassium effects on yield and quality of pineapple.	1983	3 years	214940.00	On going
CIDA/83/12	Prof.C.S. Weeraratne Fac. of Agriculture Ruhuna Univ. College Mapalana Kamburupitiya.	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	506066.00	On going
CIDA/83/13	Dr.W.S. Alles Dept. of Minor Export- Crops National Housing Secretariat, Kandy.	Investigations on Cardomom under CIDA fertilizer project.	1983	3 years	686400.00	On going
CIDA/83/14	Dr.S.Kathirgamathiyah, Dept. of Minor Export - Crops, National Housing - Secretariate, Kandy.	Demonstration of the effect of fertilisers on Minor Export crops in cultivators fields.	1983	3 years	440000.00	On going

USAID PROJECTS

Ref. No:	Name/Institution	Title	Year of Award	Duration	Financial Allocation Rs. cts	Status during 1983
RG/AID/1	Dr H.P.M. Gunasena Faculty of Agriculture University of Peradeniya Peradeniya.	Collection, Introduction and Characterization of Important Root and Tuber Crops.	1983	3 years	807838.00	On-going
RG/AID/2	Dr J.M.R.S. Bandara Dr M.R. Thiagarajah Dept. of Agricultural Biology P.G.I. Univ. of Peradeniya.	Improving Nitrogen Fixa- tion in grain legumes using selected strains of Rhizobia.	1983	3 years	492959.00	On-going
RG/AID/3	Mr. I.D.R. Peries C.A.R.I., Gannoruwa. Transferred to Mr. H.M. de Alwis Division of Entomology C.A.R.I., Gannoruwa, Peradeniya. (February 1984)	Biological control of insect pests of vegetables in Sri Lanka.	1983	3 years	1135671.00	On-going

APPENDIX II
THE STATUS OF BIOLOGICAL RESEARCH GRANTS DURING 1983

Year of Award	Proposed duration	No. of grants in operation during 1983	Completed	Status during 1983		Withdrawn
				Terminated	Continuing	
1978	1 year	2	2	0	0	0
	2 years	5	4	1	0	0
	3 years	3	3	0	0	0
1979	1 year	7	7	0	0	0
	2 years	5	4	1	0	0
	3 years	2	1	1	0	0
1980	1 year	2	2	0	0	0
	2 years	5	4	1	0	0
	3 years	4	2	2	0	0
1981	1 year	2	2	0	0	0
	2 years	3	2	1	0	0
	3 years	2	2	0	0	0
1982	1 year	4	3	1	0	0
	2 years	2	2	0	0	0
	3 years	5	4	1	0	0
1983	1 year	1	1	0	0	0
	2 years	7	5	2	0	0
	3 years	10	7	3	0	0

Biological Sciences

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/78/7	Prof. H.H. Costa Dept. of Zoology Univ. of Kelaniya Kelaniya.	Limnology of Parakrama samudra (Joint project by the Univ. of Kelaniya, & Univ. of Vienna Austria)	1978	3 years	54300.00	Completed
RG/78/8	Dr. K.S. Kumarasinghe Dept. of Botany Univ. of Peradeniya	Search for varieties of rice with low rate of photorespira- tion & the possibility of inhibiting photorespiration in rice by chemical measures with a view to increase rice production.	1978	3 years	23400.00	Completed
RG/78/9	Dr. S. Ranaweera Dept. of Biological Sci. Univ. of Sri Jayewardene- pura, Nugegoda.	A study of local plants in Sri Lanka to discover biolo- gically active natural compounds against pests.	1978	3 years	40156.00	Completed
RG/79/7	Dr. J. Jinadasa Dept. of Biological Sci. Univ. of Sri Jayewardene- pura, Nugegoda.	An attempt to farm pencaid prawns & ecological investi- gations incidental there to.	1979	3 years	88465.00	On going
RG/79/8	Prof. W.E. Ratnayake Dept. of Biological Sci. Univ. of Sri Jayewardene- pura, Nugegoda.	Effect of mutagens (Chemical & physical agents) on the hatchability of eggs of the filariasis mosquito <u>Culex pipiens fatigans.</u>	1979	3 years	64517.50	Completed

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/80/5	Prof. W.E. Ratnayake Dept. of Biological Sci. Univ. of Sri Jayewardene- pura, Nugegoda.	Isolation & study of visible genetic mutants of <u>Drosophila</u> <u>anannassae</u> the local species of <u>drosophilid</u> ".	1980	3 years	43090.00	On going
RGB/80/7	Dr(Miss)J.P.Witanachchi Dept. of Biological Sci. Univ. of Sri Jayewardene- pura, Nugegoda.	An investigation to evaluate the efficiency of <u>Evania</u> <u>appendigaster</u> L (Hymenoptera <u>evanidae</u>) for the control of <u>Periplanata americana</u> -L in Sri Lanka.	1980	3 years	43676.00	On going
RGB/80/52	Prof. S.A. Kulasooriya Dept. of Botany Univ. of Peradeniya Peradeniya	Nitrogen fixation in blue- green algae".	1980	3 years	158235.00	Completed
RGB/80/53	Dr.G.F. Rajendram Dept. of Zoology Univ. of Jaffna Jaffna.	Study on biological control the brown plant hopper <u>Nila-</u> <u>paravata lugens</u> (stal) including biotypic determi- nation of <u>N.lugens</u> & biology & ecology of insect parasi- tes & predators of <u>N.lugens</u> .	1980	3 years	49960.00	Completed
RGB/81/9	Prof.K.D.Arudpragasam Dept. of Zoology Univ. of Colombo	Investigations on cage- culture of fish & availa- bility of fry in Sri Lan- kan waters.	1981	2 years	24320.00	Completed
RGB/81/10	Mrs.N.Selvarajah Dept. of Zoology Univ. of Jaffna Jaffna.	A Limnological study of two ponds in the Jaffna peninsula with special reference to mesofaunal ecology.	1981	3 years	18000.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/81/11	Dr.L.Chitravadivelu Dept. of Zoology Univ. of Jaffna Jaffna.	Biology & distribution of mullet (<i>Mugil</i> species) & rabbit fish (<i>Siganus</i> species) in the Jaffna lagoon & adjoining areas".	1981	3 years	74930.00	On going
RGB/81/12	Mr.M.J.S. Wijeratne Prof.H.H.Costa Dept. of Zoology Univ. of Kelaniya Kelaniya.	Studies on the biology & fishery of mullet species (family - <i>Mugilidae</i>) in Negombo lagoon".	1981	2 years	26960.00	Completed
RGB/81/13	Prof.K.Theivendirarajah Dept. of Botany Univ. of Jaffna Jaffna.	Breeding studies on yard long bean (<i>Vigna sesquipedalis</i>) & gingly (<i>Sesamum indicum</i>)	1981	2 years	41940.00	On going
RGB/82/5	Prof.V.K. Ganesalingam Dept. of Zoology Univ. of Jaffna Jaffna.	Ecology & Biology of <u>Holo-thuria scabra</u> .	1982	1 year	20610.00	Completed
RGB/82/6	Dr.K.D. Arudpragasam Dept. of Zoology Univ. of Colombo Colombo	Taxonomy & distribution of soft corals in Sri Lanka.	1982	2 years	58060.00	On going
RGB/82/7	Dr.A.Sivapalan Dept. of Botany Univ. of Colombo Colombo.	Biology & Control of downy mildew of grapes (<i>Plasmopora viticola</i>).	1982	2 years	37060.00	On going
RGB/82/8	Mr.M.J.S. Wijeratne Dept. of Zoology Univ. of Kelaniya, Kelaniya.	Studies on the limnology & biology of fishes in Anamaduwa wewa, a seasonal reservoir in Sri Lanka with special reference to production of <u>Tilapia mossambica</u> & <u>Etrophus suratensis</u> .	1982	1 year	6330.00	Completed

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/82/11	Mr. M.L.E. Alwis Director Dept. of Wild life conservation, Dehiwela.	Aspects of the ecology of Udawalawe National park.	1982	3 years	40072.00	On going
RGB/82/12	Dr. H.G. Nandadasa Univ. of Sri Jayewardenepura, Dept. of Biological Sciences, Nugegoda.	Microbial production of ethanol from cellulose.	1982	3 years	49280.00	On going
RGB/82/13	Dr. J. Jinadasa Dept. of Biological Sci. Univ. of Sri Jayewardenepura - Nugegoda.	Productivity of the Bolgoda lagoon.	1982	3 years	35360.00	On going
RGB/82/14	Dr. (Miss) J.P. Witanachchi Dept. of Biological Sci. Univ. of Sri Jayewardenepura, Nugegoda.	Biology & control of the brinjal pod borer <u>Leucinoides orbonalis</u> (Lepidoptera)	1982	1 year	8450.00	Completed
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	28100.00	On going
RGB/82/62	Prof. M.E. Ratnayake Dept. of Biological Sci. Univ. of Sri Jayewardenepura, Nugegoda.	To study the genetic properties of <u>Culex pipens fatigans</u> Wiedmann (<u>C. quinquifasciatus</u> , say) males for possible use in its control.	1982	3 years	101440.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
EG/Misc/82/1	Prof. K. Theivendicarsrajah Dr. S. Sivapalan Dept. of Botany Univ. of Jaffna Jaffna.	Laboratory and field cultivation of some marine red algae".	1982	1 year	30000.00	On going
EG/83/6	Prof. M.A. Pemasasa Mr. P.S.M. Sirisena Dept. of Botany Kubuna Univ. College	Flaxonomy & Ecology of Kekana-dura rain forest reserve.	1983	2 years	50000.00	On going
EG/83/7	Dr. S.M. Diasanayake Dept. of Biological Sci. Univ. of Sri Jayewardenepura, Nugegoda.	Juvenile growth of some forest species.	1983	3 years	28546.00	On going
EG/83/8	Dr. S. Jayaseelan Dept. of Biochemistry Univ. of Jaffna Jaffna.	Single cell proteins.	1983	2 years	16100.00	On going
EG/83/9	Mr. R.V.A. Suresan Dept. of Botany Univ. of Jaffna Jaffna.	Analysis of electrophoretic patterns of isoenzymes of <i>Oryza sativa</i> & <i>Sesamum indicum</i> & their correlation to varietal differences & differences in yields.	1983	2 years	16100.00	On going
EG/83/10	Rev. Dr. L.H. Craver Department of Botany Bairisicalos University College Chunakaladi.	Floristic and taxonomic studies on the flora of Kavaras-Daliya.	1983	3 years	16025.73	Withdrawn
EG/83/11	Dr. N.K.B. Adikaram Department of Botany Univ. of Peradeniya Peradeniya.	Latent infection of fruits and vegetables, its physiological basis and possible control measures.	1983	3 years	29400.00	On-going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
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	35320.00	On going
RG/83/13	Prof. M. D. Dasanayake Dr. I. A. U. N. Gunatilleke Dept. of Botany Univ. of Peradeniya Peradeniya.	Vegetation studies of some mechanically logged areas in Sinharaja.	1983	3 years	55920.00	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	28418.40	On going
RG/83/15	Dr. J. P. Mitnachchi Dept. of Biological Sci. Univ. of Sri Jayewardenepura, Nugegoda.	Biology & the integrated control of the brinjal pod-borer <u>Leucinoides orbanalis</u> (Lepidoptera pyralidae).	1983	3 years	21080.00	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	31320.00	On going
RG/83/17	Dr. G. F. Rajendram Dept. of Zoology Univ. of Jaffna Jaffna.	Studies on the integrated control of the brown plant hopper, <u>Milsparvita lugens</u> (stal) predators of <u>N. lugens</u> & their relative efficiency as control agents.	1983	3 years	22320.00	Withdrawn
RG/83/18	Prof. K. D. Arudpragasam Dr. P. A. Benita Wass Dept. of Zoology Univ. of Colombo	Studies on the hydrobiology and potential for fish culture of hill country estate reservoirs.	1983	2 years	27367.36	Terminated

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/83/19	Prof.K.Theivendirarajah Dept. of Botany Univ. of Jaffna Thirunelveli.	Studies on the fermentation of <u>Borrassus flabellifer</u> (Palmyrah) sap.	1983	2 years	24820.00	On going
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	43333.32	On going
RG/83/70	Dr.P.Shivanathan Mr.R.S.Y. de Silva Plant Quarantine Office C.A.R.I.	To develop methods of detection and exclusion of papaw viruses and vectors in plant imports.	1983	3 years	35333.32	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 biocontrol agents.	1983	3 years	23213.33	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

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A P P E N D I X III

THE STATUS OF CHEMICAL SCIENCES RESEARCH GRANTS DURING 1983

Year of Award	Proposed Duration	No. of grants in operation during 1983	Status of Grants during 1983		
			Completed	Terminated	On-going
1976	1 yr.	-	-	-	-
	2 yrs.	-	-	-	-
	3 yrs.	1	-	-	-
1977	1 yr.	-	-	-	-
	2 yrs.	1	-	-	-
	3 yrs.	1	-	-	-
1978	1 yr.	-	-	-	-
	2 yrs.	1	-	-	-
	3 yrs.	1	-	-	-
1979	1 yr.	-	-	-	-
	2 yrs.	-	-	-	-
	3 yrs.	4	2	-	2
1980	1 yr.	1	1	-	-
	2 yrs.	1	1	-	-
	3 yrs.	-	-	-	-
1981	1 yr.	-	-	-	-
	2 yrs.	4	2	-	2
	3 yrs.	5	-	1	4
1982	1 yr.	1	-	-	1
	2 yrs.	2	-	-	2
	3 yrs.	6	-	1	5
1983	1 yr.	-	-	-	-
	2 yrs.	5	-	-	5
	3 yrs.	8	-	1	7

CHEMICAL SCIENCES

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
BG/76/14	Dr.(Mrs) L.S.R. Arambawela CISIR Colombo 7.	"Chemical and Pharmacological screening of medicinal plants".	49800/-	3 years	Completed
BG/77/23	Dr. S. Hettiarachchi Dept. of Chemistry Univ. of Colombo	"Passivation and corrosion of mechanically damaged surfaces".	45859/-	3 years	Completed
BG/77/26	Dr. H.W. Dias Dr. W. Mallawaarachchi Dept. of Chemistry Univ. of Peradeniya	"Chemical processing of monazite sand and the isolation of the more important oxides present".	27020/-	2 years	Completed
BG/78/12	Dr. S.G. Ganagaratne Dept. of Chemistry Univ. of Peradeniya	"Electrochemical transformation of the essential oils of Sri Lanka".	182600/-	3 years	Completed
BG/78/13	Dr. H.D. Gunawardena Dept. of Chemistry Univ. of Colombo	"Studies on the separation of metal ions present in the minerals of Sri Lanka".	35750/-	2 years	Completed
BG/79/12	Dr. J.N.O. Fernando Dept. of Chemistry Univ. of Colombo	"Determination of absorption characteristics of molecular zeolite catalysts".	123700/-	3 years	On-going

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
RG/79/14	Dr. L.M.V. Tillekeratne Dr. A.A.L. Gunatilleke Dept. of Chemistry Univ. of Colombo	"Chemical investigation of marine fauna of Sri Lanka and testing of their constituents for antimicrobial and pharmacological activity".	73200/-	3 years	On-going
RG/79/42	Dr. L.M.V. Tillekeratne Rubber Research Institute Ratmalana	"Depolymerised NR	25200/-	3 years	Completed
RG/79/43	Dr. A.A.L. Gunatilleke Dept. of Chemistry Univ. of Peradeniya	"Chemical investigation of medicinal and related plants of Sri Lanka".	82234/-	3 years	Completed
RGB/80/10	Dr. H.D. Gunawardena Dept. of Chemistry Univ. of Colombo	"Studies on the method of improving plastering properties of Dolomite and the methods of extraction of Magnesium from Dolomite".	15720/-	1 year	Completed
RGB/80/12	Prof. K.T.D. de Silva Dr. A. Samunarachchi Dept. of Chemistry Univ. of Sri Jayewardenepura, Nugegoda	"Studies on the flavour and colour yielding components of plant origin".	54735/-	2 years	Completed
RGB/81/14	Dr. A.A.L. Gunatilleke Dept. of Chemistry Univ. of Peradeniya	"Studies on Natural Hepatotoxins of Sri Lanka plants".	88240/-	3 years	Terminated

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
EG/81/15	Dr. O.A. Illeperuma Dept. of Chemistry Univ. of Peradeniya	"Co-ordination chemistry of bio-logically important metal ions with naturally occurring ligands".	48060/-	2 years	Completed
EG/81/16	Dr. L.B. de Silva Medical Research Institute Colombo 8	"Research on indigenous medicinal plants. (a) Phytochemical (b) Pharmacognostic (identification of medicinal plants) standardisation and quality control of prepared drugs (c) Compilation of a comprehensive herbarium".	123160/-	2 years	On-going
EG/81/17	Dr. N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	Chemical investigation of the Sri Lanka Celastraceae	145570/-	3 years	On-going
EG/81/18	Dr. V. Kumar Dept. of Chemistry Univ. of Peradeniya	"Studies on Citrus and other rutaceous plants".	102740/-	3 years	On-going
EG/81/19	Dr. S. Setheeswaran Dept. of Chemistry Univ. of Peradeniya	"Economically useful plants of Sri Lanka".	49640/-	2 years	Completed

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
R3B/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
R3B/81/22	Dr. A.M. Abeysekara Dept. of Chemistry Univ. of Sri Jayewardenepura, Nugegoda	"Chemical studies and standardisation of Ayurvedic drugs"	72160/-	2 years	On-going
R3B/81/23	Dr. E.H. Karunanayake Dept. of Biochemistry Fac. of Medicine Univ. of Colombo	"Study of the metabolism and mode of action of the orally hypoglycaemic principles(s) of <u>Scaleisia reticulosa L.</u> "	23160/-	3 years	On-going
RG/82/17	Dr. E.R. Jansz CISIR Colombo 7	"Processing of spices".	40740/-	3 years	On-going
RG /82/18	Prof. M. Mahendran Dept. of Chemistry Univ. of Colombo	"Chemical investigation of Sri Lankan alcyonaceans"	102240/-	3 years	On-going

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
EG/82/19	Prof. R.S. Ramakrishna Dr. A.I. Kulatilaka Dept. of Chemistry Univ. of Colombo	"Heavy metal ions in stream sediments as a monitor for environmental pollution and mineralization".	47160/-	2 years	On-going
EG/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	On-going
EG/82/21	Prof. R.S. Ramakrishna Dept. of Chemistry Univ. of Colombo	"Biogeochemical studies in mineral prospecting".	35160/-	2 years	On-going
EG/82/22	Dr.(Mrs)N.S. Kumar Dept. of Chemistry Univ. of Peradeniya	"Chemical studies on the seaweeds of Sri Lanka".	11580/-	1 year	On-going
EG/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

Ref. No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
RG/82/24	Dr.(Mrs)Melu de Silva Dept. of Bio-chemistry Univ. of Colombo	"Fatty acid synthesis in coconut".	73740/-	3 years	Terminated
RG/82/25	Prof. K. Balasubramaniam Dept. of Biochemistry Univ. of Colombo	"Purification characterization and study of the reactivity of aminoacid residues of galactosidase of coconut endosperm".	54740/-	3 years	On-going
RG/83/20	Dr.(Mrs)L.S.R. Arambewela CISIR Colombo 7	"Phytochemical studies on some selected medicinal plants of Sri Lanka with a view to enhance their economic value".	62960/-	3 years	On-going
RG/83/21	Prof. M. Selvaratnam Dept. of Chemistry Univ. of Peradeniya	"Physical properties of natural rubber latex and rubber solutions	20000/-	2 years	On-going
RG/83/22	Prof. S. Hageswaran Dr. K. Jayaseelan Department of Chemistry University of Jaffna	"Chemistry and Biochemistry of palayrah products".	75210/-	3 years	On-going

Ref No.	Name and Institution	Title	Funds (Rs)	Duration	Status during 1983
EG/83/23	Dr.(Mrs)R. Mageswaran Dept. of Chemistry Univ. of Jaffna	"Chemical Investigation of seaweeds	67740/-	3 years	On-going
EG/83/24	Dr. E.D. de Silva Dr. L.M.V. Tilkeeratne Dept. of Chemistry Univ. of Colombo	"Structural elucidation and biological activity of marine natural products	127700/-	3 years	On-going
EG/83/25	Dr.(Mrs) T.M.S. Atukorala Dept. of Biochemistry Univ. of Colombo	"Evaluation of vitamin A, β carotene, zinc and copper contents of some rural and urban diets".	45000/-	2 years	On-going
EG/83/26	Dr. J.S.H.Q. Perera Dept. of Chemistry University of Peradeniya	"Chemical transformation of natural rubber".	50690/-	3 years	On-going
EG/83/27	Dr. U. Samarajeewa Dept. of Agric. Chemistry Univ. of Peradeniya	"Detoxification of Aflatoxins in coconut oil".	51140/-	2 years	On-going
EG/83/72	Prof. S. Sotheeswaran Dept. of Chemistry Univ. of Peradeniya	"Economically useful plants of Sri Lanka".	44960/-	3 years	Terminated

Ref. No.	Name and Institution	Title	Funds (Rs.)	Duration	Status during 1983
BG/83/73	Prof. Tuley de Silva Dept. of Chemistry Univ. of Sri Jayewardenapura, Nugegoda	"An addendum to Ayurveda Pharmacopoeia".	40240/-	2 years	On-going
BG/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

A P P E N D I X IV

THE STATUS OF MEDICAL & VETERINARY SCIENCES RESEARCH GRANTS DURING 1983

Year of Award	proposed duration	No: of grants in operation during 1983	Status of grants during 1983				On-going
			Completed	Terminated	Withdrawn		
1978	1 year	-	-	-	-	-	-
	2 years	2	-	-	-	-	-
	3 years	1	-	-	-	-	-
1979	1 year	-	-	-	-	-	-
	2 years	-	-	-	-	-	-
	3 years	1	-	-	-	-	1
1980	1 year	-	-	-	-	-	-
	2 years	-	-	-	-	-	-
	3 years	2	1	-	-	-	1
1981	1 year	4	2	1	-	-	1
	2 years	4	2	-	-	-	2
	3 years	1	-	-	-	-	1
1982	1 year	4	1	-	-	-	3
	2 years	4	-	-	1	-	3
	3 years	1	-	-	-	-	1
1983	1 year	8	-	-	2	-	6
	2 years	7	-	-	1	-	6
	3 years	4	-	-	1	-	3

Ref. No:	Medical & Veterinary Sciences Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/78/20	Dr.M.P.M. Pinto Dept. of Microbiology Univ. of Peradeniya Peradeniya	Mycobacterial infections in Sri Lanka.	1978	2 years	20200.00	Completed
RG/78/21	Prof.S.N. Arseculeratne Dept. of Microbiology Univ. of Peradeniya	The aetiology of Necrotising enteritis".	1978	2 years	31584.00	Completed
RG/78/23	Dr.A.A.L.Gunatilake Prof.S.N. Arseculeratne Dept. of Chemistry Dept. of Microbiology Univ. of Peradeniya	The aetiology of chronic liver diseases in Sri Lanka in relation to Nitrosamines & Pyrolyzidine Alkaloids".	1978	3 years	21800.00	Completed
RG/79/26	Dr.(Mrs)M.C.Attapattu Medical Research Inst. Colombo 8.	Bronchio pulmonary Aspergillosis. Its significance in the aetiology of chronic lung disease in Sri Lanka.	1979	3 years	70700.00	On-going
RG/80/15	Dr.(Mrs)S.Rajakulendran Dr.C.de S.Kulasiri Fac. of Medicine Univ. of Colombo Colombo	Adaptation of Aedes togoi to transmit <u>Cardiofilaria nilesi</u> ".	1980	3 years	6000.00	Completed
RG/80/22	Prof.S.T. Fernando Dept. of Vet. Sciences Univ. of Peradeniya Peradeniya.	Studies on the helminth parasites of buffaloes with particular reference to the life cycle and <u>immunology</u> of <u>Neoscaris vitulorum</u> infection in buffaloes and cattle".	1980	3 years	37360.00	On-going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/81/28	Prof. E.R. Wickramanayake Dr(Mrs)J.A.P. Jayasinghe Dept. of Anatomy Univ. of Peradeniya Peradeniya.	The relationship of the upper dental arch to bony landmarks of the skull.	1981	1 year	4450.00	Terminated
RGB/81/31	Mr. J.D.A. Abeysekera Division of Occupational Hygiene, Dept. of Labour Colombo 5.	National anthropometric survey of workers.	1981	1 year	34510.00	Completed
RGB/81/33	Mrs. N. Jayasekera Medical Research Inst. Colombo 8.	Taxonomy and ecology of mosquitoes in relation to the ecology of Japanese encephalitis in Sri Lanka together with related epidemiological, and virological studies".	1981	1 year	46820.00	On-going
RGB/81/34	Prof. S.N. Arsecularatne Dept. of Microbiology 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	On-going
RGB/81/35	Mrs. K.S. Pieris National Institute of Business Management, Colombo 7.	Bibliography of medical publications (Western - medicine) relating to Sri Lanka". 1977-79.	1981	2 years	1230.00	Completed

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RGB/81/36	Mr.R. Sivakanesan Dept. of Biochemistry Univ. of Peradeniya Peradeniya.	Metabolic diseases in farm animals of economic importance.	1981	3 years	61190.00	On-going
RGB/81/37	Dr.B.M.O.A. Perera Dr.H.Abeysunwardena Dept. of Vet. Clinical Studies, University of Peradeniya Peradeniya	Effects of environment and nutritional factors on post partum ovarian activity in milking buffaloes".	1981	1 year	21175.00	Completed
RGB/81/38	Dr.S.Mahalingam Dept. of Vet. Para Clinical Studies, Univ. of Peradeniya Peradeniya.	Investigations into the viral aetiology of respiroenteric infections in agricultural animals cattle and goats (continuation of research project NSCA/1/17/1 with other viral antigens other than para influenza 3).	1981	2 years	95400.00	On-going
RGB/81/39	Dr.B.M.O.A. Perera Dept. of Vet. Clinical Studies, University of Peradeniya, Peradeniya.	Endocrine control of reproductive patterns of indigenous buffaloes in Sri Lanka.	1981	2 years	64744.00	Completed
RGB/82/26	Dr.M.M. Jiffry Dept. of Physiology Univ. of Colombo Colombo.	The effects of herbal extracts on transmission through spinal synapses"	1982	2 years	10000.00	Withdrawn
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

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Re: cts	Status during 1983
RGB/82/28	Dr.P.C.A. Ratnatunga Fac. 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/82/29	Dr.A.L. Dissanayake Base Hospital Navalapitiya.	A clinico pathological study of gastric carcinoma in the Nawalapitiya region.	1982	1 year	5000.00	Completed
RGB/82/30	Mrs.C.P. Kodikara Fac. of Vet. Medicine & Animal Sciences, University of Peradeniya Peradeniya.	Bacteriological study of drinking water with special reference to indicator of faecal pollution and pathogens".	1982	2 years	15300.00	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 septicemia".	1982	2 years	21000.00	On-going
RGB/82/32	Dr.D.J. Weilgama Veterinary Research Inst. Gannoruwa.	Studies on theileriosis in cattle".	1982	2 years	6600.00	On-going
RGB/82/33	Dr.D.D. Wanasinghe Veterinary Research Inst. Gannoruwa.	Survey of incidence of mastitis among cattle in small holder units and evaluation of the efficacy of a modified mastitis control programme".	1982	1 year	19000.00	On-going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/82/63	Dr.A.R. Jayasuriya Planning Unit, Ministry of Health, Secretariate, Colombo 1.	Study of investment in health care delivery and its impact on health status in selected districts in Sri Lanka.	1982	1 year	9334.60	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
RG/83/31	Dr.D.A. Sonnadora 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 theophyllins in Sri Lankan children.	1983	2 years	116800.00	On-going
RG/83/32	Dr.S.D. Atukorala 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	On going
RG/83/33	Prof.R.Ramasamy Dept. of Biochemistry Fac. of Medicine, Jaffna.	Humoral immune response to <u>M.leprae</u> antigen in man.	1983	1 year	21900.00	Withdrawn
RG/83/34	Prof.V.Basnayake Fac. of Medicine Univ. of Peradeniya	Measurement of skin colour in Lankans".	1983	1 year	20000.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/83/35	Dr. (Mrs) M.C.P. Canagaratne Dept. of Biochemistry Fac. 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/83/36	Dr. Lalitha N. Mendis Dept. of Microbiology Fac. of Medicine Kynsey Road, Colombo 8. Dr. S.D. Atukorala Dept. of Bacteriology General Hospital Colombo	The aetiology of meningitis in Sri Lanka and the cost and feasibility of introducing rapid diagnostic methods for it".	1983	1 year	31900.00	Withdrawn
RG/83/37	Dr. J.S.M. Peiris Dept. of Microbiology Fac. of Medicine Univ. of Peradeniya Peradeniya.	The role of viruses as aetiological agents in infantile diarrhoeal disease.	1983	1 year	50280.00	On going
RG/83/38	Dr. (Mrs) P. Goonewardene Dept. of Biochemistry Fac. of Medicine Univ. of Colombo Colombo	Extraction and purification of growth hormone from human pituitaries".	1983	2 years	77640.00	On going
RG/83/39	Dr. M.N. Sivachelvan Fac. of Vet. Medicine Univ. of Peradeniya Peradeniya.	Histological, histochemical and carcass quality aspects of Toxocara (Neoscaris) vitulorum infection in rabbits and buffaloes".	1983	3 years	86200.00	On going

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Re: cts	Status during 1983
RG/83/40	Dr.A.R. Mohamed Dr.C.S. Peiris Veterinary Research Inst. Gannoruwa, Peradeniya.	A study of the infectious abortions in cattle, buffaloes and goats.	1983	2 years	35500.00	On going
RG/83/41	Dr(Mrs)V.K.Gunawardene Prof.S.T. Fernando Fac. of Vet. Medicine & Animal Sciences, Univ. of Peradeniya	Cellular responses of the intestine to Neoscaris vitulorum infection in buffaloes.	1983	3 years	54960.00	Withdrawn
RG/83/42	Dr.D.D.Wanasinghe Veterinary Research Inst. Gannoruwa, Peradeniya.	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	On going
RG/83/75	Prof.N.Sreeharan Dr.K. Ranjadyalan Dept. of Medicine Univ. of Peradeniya Peradeniya	The use of Momordica charantia (Bitter gourd) in Diabetes mellitus.	1983	1 year	10000.00	On-going
RG/83/76	Dr.K.A.Nathavitharana Dr.J.S.M. Peiris Prof.S.N. Arsecularatne Fac. of Medicine Univ. of Peradeniya	Study of faecal IgA in Typhoid fever.	1983	2 years	63664.00	Withdrawn

Ref. No:	Name & Institution	Project Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/83/77	Dr.G.A.P. Ganegoda Dr.S.P. Gunaratne Veterinary Research Inst. Gannourwa.	Evaluation of undefluorinated Eppwala rock phosphate as a phosphorus supplement in diets for poultry and pigs.	1983	1 year	20050.00	On going
RG/83/78	Dr.N. Tilakaratne Veterinary Research Inst. Gannoruwa.	Study of reproduction growth and carcass characteristics of the indigenous pig.	1983	1 years	17700.00	On going
RG/83/79	Prof.S.T. Fernando Dept. of Vet. Para - Clinical Studies, Univ. of 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</u> <u>vitulorum</u> 3) Buffaloe calf mortality due to bacteria and viruses.	1983	3 years	119880.00	On-going

APPENDIX V
THE STATUS OF PHYSICAL & ENGINEERING RESEARCH GRANTS DURING 1983

Year of Award	proposed duration	No: of grants in operation during 1983	Status of grants during 1983			On-going
			Completed	Terminated	Withdrawn	
1979	1 year	1	1	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1980	1 year	-	-	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1981	1 year	-	2	-	-	-
	2 years	2	-	-	-	-
	3 years	-	-	-	-	-
1982	1 year	1	1	-	-	-
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-
1983	1 year	3	-	-	1	2
	2 years	-	-	-	-	-
	3 years	-	-	-	-	-

Physical & Engineering Sciences

Ref: No:	Name & Institution	Title	Year of Award	Duration	Financial Allocation Rs: cts	Status during 1983
RG/79/19	Prof. S.N. Arseculeratne Fac. of Medicine Univ. of Peradeniya Peradeniya.	Development of a pilot plant for the decontamination of aflatoxin contaminated oil by sunlight.	1979	1 year	7250.00	Completed
RGB/81/40	Dr. Dhammika de Silva C.I.S.I.R. Colombo 7.	Design and construction of improved firewood hearths.	1981	2 years	41780.00	Completed.
RGB/81/43	Mr. M.G.M.U. Ismail Officer-in-charge Mineral Technology - Section, C.I.S.I.R.	Rice hull ash masonry cement.	1981	2 years	26160.00	Completed
RGB/82/35	Dr. L.N. Pussegoda Dept. of Mechanical Engi. Univ. of Peradeniya	Effect of the mode of prior deformation on the subsequent mechanical properties of two phase materials".	1982	1 year	27800.00	Completed.
RG/83/80	Mr. M.C.L. Salgado I.D.B. 615, Galle Road, Katubedda.	Heat treatment and metallurgi- cal research on scientific usage of scrap steels as raw materials.	1983	1 year	32000.00	On-going
RG/83/81	Dr. K.T. Lide Silva Dr. T.R. Ariyaratne Dept. of Physics Univ. of Colombo	Photoelectrochemical Solar Energy Conversion.	1983	1 year	48290.00	On-going
RG/83/82	Dr. R.A. Thuraisingham Dept. of Chemistry Univ. of Colombo	(i) Quantum mechanical calcul- ations on atomic and molecular systems (ii) Statistical mechanical calculations on liquid water and electrolyte solutions.	1983	1 year	4000.00	Withdrawn

A P P E N D I X VI

THE STATUS OF SOCIAL SCIENCES RESEARCH GRANTS DURING 1983

Year of award	Proposed Duration	No. of Grants	Progress During 1983			
			Withdrawn	Terminated	Completed	Ongoing
1979	1 yr.	1	-	-	1	-
1980	1 yr.	3	-	1	-	2
1981	1 yr.	7	-	1	3	3
1982	1 yr.	15	1	1	6	7
	2 yrs.	2	-	-	-	2
1983	6 mths.	2	-	-	1	1
	1 yr.	16	1	-	1	14
	2 yrs.	2	-	-	-	2
TOTAL		48	2	3	12	31

SOCIAL SCIENCE RESEARCH GRANTS - DURING 1983

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RG/79/76	Dr.(Mrs.)D.E.M.Kotalawala The Open University of Sri Lanka, Nawala Nugegoda.	"Effects of Garetaking Modes and their Components on the Development of Children in Eastern & Western Culture"	1979	1 yr.	Rs.14,100.00	Completed
RGB/80/30	Prof. K.M. de Silva Dept. of History Univ. of Peradeniya. Peradeniya.	"The Sri Lankan Dictionary of National Biography"	1980	1 yr.	Rs.16,000.00	Terminated
RGB/80/32	Prof. K.W. Gunawardena Dept. of History Univ. of Peradeniya. Peradeniya.	"Seventeenth and Eighteenth Century History of Sri Lanka with Special Refer- ence to Economic and Social History"	1980	1 yr.	Rs. 7,000.00	Ongoing
RGB/80/36	Dr.(Mrs.) Y.Rasanayagam Dept. of Geography Univ. of Colombo Colombo.	"Industrial Development & Urban Growth - A Case Study of the Colombo Region"	1980	1 yr.	Rs. 5,000.00	Ongoing
RGB/81/49	Mrs. S.D.S.E.Seneviratne Dept. of Education Univ. of Colombo Colombo.	"Aspirations of Children"	1981	1 yr.	Rs. 1,860.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RCS/81/50	Dr. K.N.O. Dharmadasa Dept. of Sinhalese Univ. of Peradeniya.	"The Rise of Sinhalese Language Nationalism: A Study in the Sociology of Language - Social History and Sociology of Language"	1981	1 yr.	Rs.1,675.00	Completed
RCS/81/53	Prof. B.L.Panditharatne Vice Chancellor Univ. of Peradeniya.	"Impact of Technological and Institutional Changes on the Fishing Community of Negombo"	1981	1 yr.	Rs.1,200.00	Completed
RCS/81/58	Ven. U. Chandrasiri Dept. of Mass Communication Univ. of Kelaniya.	"මුළු කොළඹ විදුලි ගමනකිරීම හා එහිදී සිදුවූ වෙනස්කම්"	1981	1 yr.	Rs.1,500.00	Completed
RCS/81/60	Mr. D.K. Jayatissa St. Silvester's College Kandy.	"සිංහලේ අධ්‍යාපනය හා පැරණි පවත්වන - කෙටි උපදේශන අධ්‍යයනය හා එහි ප්‍රතිඵල"	1981	1 yr.	Rs. 885.00	Terminated
RCS/81/66	Mrs. P.H.A.N.S. Jayasena, Asst. Lecturer Dept. of Education Univ. of Peradeniya.	"Policies and Progress of Primary Education in Sri Lanka since Independence to 1977"	1981	1 yr.	Rs.3,215.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RGB/81/68	Miss C. Weerasinghe Dept. of Community Medicine Kuhuna Medical College Matara.	"The Socio-cultural Factors Contributing to Malnutri- tion"	1981	1 yr.	Rs.4285.00	Ongoing
RGB/82/37	Mr. U.A.Chandrasena Dept. of Geography Univ. of Kelaniya.	"Traditional Processing - Marketing System and Modern Group Processing Centres in the Rubber Small Holding Sector - An Analysis of Spatial Pattern"	1982	1 yr.	Rs.2850.00	Ongoing
RGB/82/38	Mrs. W.M. de Silva Fac. of Education Univ. of Colombo.	"Per Capita Expenses Borne by the Government on Secondary School Education"	1982	1 yr.	Rs.2000.00	Completed
RGB/82/39	Dr. S.T. Hettige Dept. of Sociology Univ. of Sri Jaye- wardenepura, Nugegoda.	"Patterns of Subsistence Reproduction Among Settled Urban Poor-A Comparative Analysis"	1982	1 yr.	Rs.10000.00	Completed
RGB/82/40	Mr. W.W.M.J.W.Jayalath Fac. of Education Univ. of Colombo.	"Regional Imbalance in Educational Development" (Comparative Education)	1982	1 yr.	Rs.2170.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RGB/82/41	Mr. K. Kanagarajah Dept. of Geography Univ. of Jaffna.	"Coastal Settlement of the Jaffna Peninsula Region"	1982	1 yr.	Rs. 2250.00	Withdrawn
RGB/82/42	Mr. T.B. Karunaratne Education Department Kandy West.	"Temples in Kandy District"	1982	1 yr.	Rs. 1500.00	Ongoing
RGB/82/44	Mr. U.H. Palihakkara The Inst. of Chartered Accountants, 30A, Longdon Place Colombo 7.	"Resource Allocation in Health Administration - Mainly Financial"	1982	1 yr.	Rs. 4000.00	Ongoing
RGB/82/45	Prof. V.K. Samaranyake Fac. of Science Univ. of Colombo.	"Investigation of Predictors of University Performance"	1982	2 yrs.	Rs. 65420.00	Ongoing
RGB/82/47	Mr. S. Sosai Dept. of Geography Univ. of Jaffna.	"Sri Lankan Coastal Fishing - A Case Study of North West Coast"	1982	1 yr.	Rs. 2200.00	Completed

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RGB/82/48	Mr. G.B. Wanninayake Univ. of Colombo Colombo.	"Educational Opportunity in the Polonnaruwa District - An Educationally Disadvan- taged Area in Sri Lanka"	1982	1 yr.	Rs.2400.00	Completed
RGB/82/49	Mr. S.S. Dahanayake M/Narandeniya M.V., Kamburupitiya.	"පාලන අවස්ථාවන්හි දක්නට ලබන අය වෙළුම් අධ්‍යයනයේ ප්‍රවෘත්තිය වැඩි කිරීම"	1982	1 yr.	Rs.2585.00	Completed
RGB/82/50	Mr. H.M.T.B. Herath 74, Eladetta Handessa.	"මූලික පිටිවලින් ඇතිව ඇති අනවශ්‍ය වශයෙන් පිළිබඳව විවිධාකාරීන්ගේ අධ්‍යයනය"	1982	2 yrs.	Rs.2000.00	Ongoing
RGB/82/51	Miss U.G. Irani K/Palannaruwa M.V., Palannaruwa Gonapola Junction.	" අප පවිත්‍රයේ ගීත ගැනීමේ හා ගැනීමේ පිළිබඳව පහ තරම් ඉටු සිදුවන ප්‍රයත්න විවිධයන් කෙරෙන විවෘතය"	1982	1 yr.	Rs.1500.00	Terminated
RGB/82/54	Mr. P.W. Manatunga H/Homagama Junior School, Homagama.	" කෙළවර නගරයේ ප්‍රධාන පුද්ගලයන් විවිධාකාරී විධිමත් අධ්‍යයනයට පවත්වා වන අයුරු"	1982	1 yr.	Rs.2000.00	Completed

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RGB/82/58	Mrs. V.S. Somasarana G/Ellapola M.V., Balangoda.	"ශ්‍රී ලංකාවේ පාසැල්වල මුද්‍රා දැමීම ඉගැන්වීම"	1982	1 yr.	Rs.1500.00	Ongoing
RGB/82/59	Miss G. Terlin M/Codapitiya M.V., Akurassa.	"ජනවාරිය මාසයේදී හා පරිමාණ රටාව අනුව ආදම් සම්බන්ධතාව (විශාල දැක්වීමේදී ඇසුරෙන්)"	1982	1 yr.	Rs.2000.00	Ongoing
RGB/82/61	Mr. Y. Walpita K/Gowinna M.V., Gowinna.	"විෂය මාලාව හා කේන්ද්‍රය කාරකවීම මගින් පාසැල් සමස්ත ක්‍රමයන්හි ප්‍රතිරෝධීතාව වැඩි කිරීම"	1982	1 yr.	Rs.1500.00	Ongoing
RG/83/45	Mrs. H.D. Abeygunawardene, 23A, 26, Rukmale Housing Scheme Kottawa, Pannipitiya.	"Non-formal Education for Working Mothers of low Income Groups with Pre-school Children in a Suburban Community" (Maharagama Electorate)	1983	1 yr.	Rs.4000.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RG/83/46	Mrs. Y. Balapatabendi 2/49, Mahalwarawa Pannipitiya.	"An Inquiry into the Post-Secondary Non-University Education in Sri Lanka"	1983	2 yrs.	Rs. 12000.00	Ongoing
RG/83/47	Mrs. P.L.M.de Zoyza 10/1, Galpotta Lane Nawala, Rajagiriya.	"A Study of Professional Aspirations of Graduate Teachers"	1983	1 yr.	Rs. 2200.00	Completed
RG/83/48	Mr. L.H. Indrasiri Planning Assistant Urban Development Authority, 27, D.R. Wijewardena Mawatha, Colombo 10.	"Remote Sensing for Evaluation of Historical Changes in Colombo Central Business District"	1983	6 mths.	Rs. 3970.00	Completed
RG/83/49	Mr. D.C. Jayasuriya Senior State Counsel Attorney-General's Department, Colombo.	"The Impact of Sri Lankan Legal Developments on Socio-Economic Development and Quality of Life"	1983	6 mths.	Rs. 10900.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RG/83/50	Mr. A.A. Navaratne 27, Beragala Road Kegalle.	"Construction and Validation of an 'Ability Scale' Suitable for the Age Group 11-14 in Sri Lanka"	1983	1 yr.	Rs. 3500.00	Ongoing
RG/83/51	Mrs. A.K. Peeris 'Dilantha' Hokandara Road Talawatugoda.	"Measures That May Be Adopted Under the Special Educational Programme for the Socialisation of the Educable Mentally Handicapped Children of School going Age in Sri Lanka"	1983	1 yr.	Rs. 2750.00	Ongoing
RG/83/52	Mrs. Saroja Sivachandran, Senior Lecturer Sri Lanka Foundation Institute, P.O. Box 1203 Colombo 7.	"Post Nationalization Organizational Changes of the Tea Industry in Sri Lanka 1970 - 1980"	1983	1 yr.	Rs. 3500.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RGB/83/53	Mrs. M.B.S. Fonseka Siyabalagoda Polgasovita.	ශ්‍රී ලංකාවේ ජාතික අධ්‍යාපන විෂය නිර්දේශය ප්‍රයෝජන කරලීම සිදුකිරීමේ කෙරෙහි අවධානය	1983	1 yr.	Rs.2200.00	Ongoing
RGB/83/54	Mr. D.H. Illeperuma No. 52, Co/Ambalangoda Polgasovita.	ශ්‍රී ලංකාවේ ජාතික අධ්‍යාපනය ලෙස සිසුන්ගේ ගණකාධිකරණ පහසුකම් සැලසීම - කැමරා සහ අධ්‍යාපන දිවිපිටිකරණය	1983	1 yr.	Rs.2500.00	Ongoing
RGB/83/55	Mrs. K.A.K.P.Kodikara 139, Highlevel Rd., Godagama Homagama.	ශ්‍රී ලංකාවේ ගොවිපිටිකරණ අධ්‍යාපන අවධානය තුළින් ලබා දෙන කෘෂි අධ්‍යාපනය රටේ වූ ගොවි කැනෙහි ප්‍රගතියට උපයෝගී වේ දැයි (එක් කෘෂිකාර්මික ප්‍රදේශයක් ඇසුරෙන් කරන අධ්‍යයනයක්)	1983	1 yr.	Rs.2500.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
MG/83/56	Mrs. K. G. K. R. Somalatha Manike 'Sanda Kelum' Eilagava.	ශ්‍රී ලංකාවේ ආවේණික ශාක වගා කිරීමේ ප්‍රවර්ධන කමිටුවේ පවත්වාගෙන යාම ලබන අධ්‍යයන ක්‍රම සහ පවත්වාගෙන යාමේ වැඩ සටහන් පිළිබඳව කෙරෙන විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 yr.	Rs. 2950.00	Ongoing
RG/83/57	Mrs. G. Indrani Perera 10/511, Waragoda Road Rubber Estate Kelaniya.	කණිෂ්ඨ දිවිඹ ලිවීමේ පිටුවේ අධ්‍යයන සාධකය කෙරෙහි අධ්‍යයන සහ ප්‍රවර්ධන ක්‍රම සහ පවත්වාගෙන යාමේ වැඩ සටහන් පිළිබඳව කෙරෙන විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 yr.	Rs. 2000.00	Ongoing
RG/83/58	Mrs. C. Welgama 35, Egodahenawatta Mampe Piliyandala.	අධ්‍යයන සාධකය කෙරෙහි පැහැදිලි කිරීමේ ක්‍රම සහ පවත්වාගෙන යාමේ වැඩ සටහන් පිළිබඳව කෙරෙන අධ්‍යයනයක්	1983	1 yr.	Rs. 1600.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RG/83/59	Mrs. D.R. Wijesinghe Musaeus Training College Kalutara.	ශ්‍රී ලංකාවේ පාසැල් වල කණ්ඩා ආයතන මට්ටමේ කණි වැඩුණු වැඩි ප්‍රාග්ධන පිළිබඳව කමිතර අධ්‍යයන දිස්කුර්ණය ආශ්‍රිතව කරනු ලබන විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 yr.	Rs. 2500.00	Ongoing
RG/83/60	Mrs. W.M.K. Wijethunga 2/54, Wickramasinghepura Talagama - South Battaramulla.	ශ්‍රී ලංකාවේ පාසැල් වල පුස්තක පෝච්චි පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක්	1983	1 yr.	Rs. 1800.00	Ongoing
RG/83/62	Mr. S. Berugoda Deputy Surveyor General Surveyor General's Office, P.O. Box 506 Colombo.	"Undivided Lands in Sri Lanka and Land Productivity"	1983	2 yrs.	Rs. 21930.00	Ongoing
RG/83/63	Mrs. L. Gunawardene Mahaweli Authority of Sri Lanka, Production, Marketing & Credit Division, 248, Galle Road Colombo 4.	"An Annotated Bibliography of the Social and Economic Differentiation in the Peasant Sector of the Mahaweli Region"	1983	1 yr.	Rs. 400.00	Ongoing

Ref. No.	Name & Institution	Title of Project	Year of Award	Proposed Duration	Initial Financial Allocation	Status During 1983
RG/83/64	Mr. J. Marasinghe Teachers Training School Nittambuwa.	අනුමැතිය ලබාදීම සඳහා සිසුන්ගේ සාහසික කටයුතුන්	1983	1 yr.	Rs.1000.00	Ongoing
RG/83/65	Dr. P. Athukorale Lecturer Fac. of Management Studies, Univ. of Sri Jayewardene- pura, Nugegoda.	"Export Promotion Drive in Sri Lanka - Policies, Achievements and Constr- aints"	1983	1 yr.	Rs.12500.00	Withdrawn

Summary of Research Awards Granted in 1983

Source of Funds	Fields of Study										Total Number of grants	Total funds Allocated
	Agriculture/ Animal Husbandry	Biology	Chemistry	Engineering and Physical Science	Medical/ Veterinary Science	Social Science	Humanities	Science Education	Environment (MAB)	Other		
NARESA	10	16	15	3	17	20	-	9	-	-	87	1695339.00
SAREC	-	-	-	-	11	-	-	-	-	-	11	2006068.00
USAID	3	-	-	-	-	-	-	-	-	-	3	2436468.00
CIDA	14	-	-	-	-	-	-	-	-	-	14	4751516.00

8,137,857	Balance B/F			8,724,053.97
236,703	<u>Man & the Biosphere Fund</u>			
80,000	Add: Drawings from Treasury	334,037.60		
316,703		<u>375,000.00</u>		
105,000	Add: Treasury Deposit	709,037.60		
421,703			709,037.60	
161,865	Less: Expenditure for the year		<u>355,437.77</u>	
259,838				353,599.83
76,158	<u>Miscellaneous Fund</u>			
100,000	Add: Drawings From Treasury	334,947.33		
176,158		<u>250,000.00</u>		
200,000	Add: Treasury Deposit	584,947.33		
376,158			584,947.33	
290,945	Less: Expenditure for the year		<u>256,567.17</u>	
85,213				328,380.16
164,138	<u>Scientific Manpower Project Fund</u>			
20,000	Add: Drawings from Treasury	175,940.15		
184,138		<u>25,000.00</u>		
30,000	Add: Treasury Deposit	200,940.15		
214,138			200,940.15	
38,198	Less: Expenditure for the year		<u>13,831.21</u>	
175,940				187,108.94
8,658,848	Balance C/F			9,593,142.90

8,658,848	Balance B/f		9,593,142.90
<u>246,236</u>	<u>Working Committee Fund</u>		
210,000	Add: Drawings from Treasury	248,728.31	
<u>456,236</u>		<u>200,000.00</u>	
100,000	Add: Treasury Deposit	448,728.31	
<u>556,236</u>			
307,508	Less: Expenditure for the year	448,728.31	
<u>248,728</u>		<u>191,246.35</u>	257,481.96
3,500,916	<u>Foreign Aid Fund</u>		
<u>3,500,916</u>	Add: Drawings from Treasury	5,032,170.02	
5,579,419		<u>1,500,000.00</u>	
<u>626,229</u>	Add: Treasury Deposit	6,532,170.02	
4,953,190	Less: Expenditure for the year		
		6,532,170.02	
		<u>1,417,146.82</u>	5,115,023.20
	<u>Current Liabilities</u>		
111,462	Creditors	155,071.67	
99,703	Accrued Charges	98,361.42	
<u>1,577,534</u>	Provisions	<u>1,560,089.52</u>	1,813,522.61
<u>1,788,699</u>			
<u>12,899,584</u>			
<u>16,779,170.67</u>			

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

Balance Sheet as at 31.12.83

		<u>Cost as</u>	<u>Additions</u>	<u>Accumulated</u>	<u>Balance as</u>
		<u>at 1.1.83</u>	<u>Disposals</u>	<u>Depreciation</u>	<u>at 31.12.83</u>
			<u>during the year</u>		
31.12.82					
	<u>Represented By:-</u>				
	<u>Fixed Assets</u>				
96,716	Buildings	1,140,443.01	-	1,063,504.00	76,939.01
84,731	Office Equipment & Furniture	607,740.05	332,818.34	566,955.00	373,603.39
68,733	Motor Vehicles	538,216.58	117,089.55	525,975.00	129,331.13
20,570	" Bicycles	51,425.00	-	41,140.00	40,285.00
-	Bicycles	4,190.65	-	4,190.65	-
-	Sports Equipment	1,504.00	-	1,504.00	-
5,672	Accessories & Miscellaneous	42,039.95	3,990.65	38,628.00	7,402.60
948,094	Library Books	948,094.47	65,245.75	-	1,013,340.22
2,976,411	Scientific & Liboratory Equipments on Loan	6,465,946.03	697,107.16	3,679,902.70	1,971,141.23
			(1,512,009.26)		
<u>1,222,768</u>	Documentation Equipment	2,171,161.90	1,099,350.00	1,593,426.00	1,677,085.90
5,423,695		<u>11,970,761.64</u>	<u>803,592.19</u>	<u>7,215,225.25</u>	<u>5,259,128.48</u>
		11,970,761.64	803,592.19	7,215,225.25	5,259,128.48
13,954	Telephone Installation				13,953.64
451	National Emblem				451.64
<u>892,704</u>	Capital Work in Progress				<u>1,120,767.41</u>
6,330,804	Balance C/f				6,394,301.17

6,330,804	Balance B/f				6,394,301.17
	<u>Current Assets</u>				
60,236	Stocks			70,120.30	
243,449	Debtors			262,505.10	
96,556	Prepayments			127,856.98	
8,873,423	Treasury Deposit			8,873,422.92	
20,385	Deposits			20,835.05	
222,111	Balance at Bank - A/c No. 1256		916,489.14		
45,142	" " 1257		33,620.01		
5,000	Petty Cash			950,109.15	
<u>2,478</u>	Cash in hand			5,000.00	
<u>9,568,780</u>				<u>75,020.00</u>	
<u>15,892,584</u>					<u>10,384,869.50</u>
					<u>16,779,170.67</u>

NATURAL RESOURCES, ENERGY & SCIENCE AUTHORITY OF SRI LANKA

Income & Expenditure A/c for the year ended 31.12.83

<u>As at 31.12.82</u>			
	<u>Income for the year</u>		
22,171	Interest received		34,855.20
39,565	Sundry Income		29,832.66
57,731	Sale of Publications		84,825.43
<u>6,130</u>	Photocopy receipts		<u>8,927.68</u>
125,597			158,440.97
	<u>Less: Expenditure for the year</u>		
	<u>Council Expenditure</u>		
25,425	Travelling (Authority, Committee & Panel Members)	11,159.00	
-	Printing & Publications	374.50	
<u>7,537</u>	Entertainment	<u>7,103.52</u>	18,637.05
32,962			
	<u>Staff Emoluments</u>		
1,229,753	Salaries & Allowances	1,535,426.48	
96,425	Employees Provident Fund	118,897.63	
23,877	Trust Fund	29,168.28	
-	Gratuity	11,002.00	
<u>34,033</u>	Overtime	<u>28,030.39</u>	1,722,524.78
1,384,088			
1,291,453	Balance C/f		1,741,161.83
			158,440.97

1,291,453	Balance B/f	1,741,161.83	158,440.97
	<u>Office Administration</u>		
1,919	Travelling (Office)	1,222.95	
88,193	Stationery & Consumables	73,780.21	
20,201	Electricity	21,856.93	
36,909	Telephone	55,673.36	
27,848	Postage	30,180.15	
12,100	Audit Fees	13,200.00	
1,002	Bank Charges	1,023.68	
1,639	Medical Expenses	846.65	
41,313	Advertising	52,772.00	
63,541	Maintenance of Motor Vehicles	46,515.60	
11,044	" " Office Equipment & Furniture	10,673.85	
27,846	" " " Building	91,508.63	
-	Insurance Charges	13,340.11	
2,734	Bad & doubtful debts	33,172.60	
59,000	Security Services	65,963.33	
1,982,637	Depreciation	1,784,113.00	
<u>15,352</u>	Sundry Expenses	<u>16,002.32</u>	
<u>2,393,278</u>			
<u>3,810,328</u>			
3,684,732	Excess of Expenditure over income	<u>2,311,845.37</u>	<u>4,053,007.20</u>
			<u>3,894,566.23</u>

NOTES ON ACCOUNTS

(Values are to the nearest rupees thousand.)

1. **Fundamental Accounting Assumptions & Policies.** Generally accepted accounting principles have been followed in the preparation of the accounts for the year ended 31.12.83 of Natural Resources, Energy & Science Authority of Sri Lanka.

Where appropriate the policies are explained in the succeeding notes.

Previous year's figures and phrases have been rearranged wherever necessary to conform to current presentation.

2. **General Accounting Policies**
 - 2.1 **Funds** - The cost of the scientific and laboratory equipment acquired during the year has been treated as expenditure in the respective funds but capitalized and included in NARESA fund as at 31.12.83.

Research Units Fund and Approved International Collaborative Fund had been abolished by transferring the balances as at 31.12.82 to the Miscellaneous Fund.

SAREC Fund has been renamed to include the funds receivable from other foreign agencies.
 - 2.2 **Events after the balance sheet date** -
Out of 35 grants whose official duration had been expired as at 31.12.83, 7 had been completed and 2 had been terminated in 1984. 20 grants have been granted official extensions.

3. **Assets and the basis of their valuation**
 - 3.1 **Depreciable assets and depreciation** -
Scientific and laboratory equipment amounting to Rs 1,512,000/- at original cost have been handed over to the respective state organizations following a decision of the Authority, and has been shown as disposals in the accounts. Accumulated depreciation also have been adjusted accordingly. Depreciation has been provided on original cost or at valuation on a straight line basis consistent with that of the previous year and is calculated to write-off the assets over their estimated useful lives.

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

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

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

4. Liabilities & Provisions

4.1 Creditors - Creditors includes the following;

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

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

CSC 6.1.2 - Rs 9000/= - To be utilized with the progress of the grant.

NTIS - Educational Promotional Work - Rs 9000/= This represents the balance of the funds already transferred to Natural Resources, Energy & Science Authority for a specific educational programme to be utilized only when the scheme is in progress.

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

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

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

STATEMENT OF SOURCES & APPLICATION FUNDS - 1983

Cash & bank balance as at 1.1.83

274,730.93

Sources of Funds:

Contribution from Government

Rs 7,400,000.00

Foreign grants - CIDA

76,980.00

UNDP equipment aid

1,071,858.00

Money received from Mahaweli Authority

74,200.00

Prior year adjustments

9,446.06

8,634,484.06

8,909,214.99

Application of Funds:

Out flow from activities Note 1

5,267,015.96

Increase in fixed assets Note 11

2,455,285.07

Movement of Working Capital Items:

	<u>Source</u>	<u>Application</u>
Increase/Stocks	-	Rs 9884.41
" /Debtors	-	19032.91
" /Prepayments	-	31301.31
" /Deposits	-	450.00
Increase/Crediters accrued charges	-	20024.68
Decrease/Provisions	-	<u>76091.50</u>
	-	156784.81
	-----	-----

156,784.81

7,879,005.84

Cash & bank balance as at 31.12.83

1,030,129.15

=====

Out Flow from Activities Note 1

Excess of Expenditure over income	Rs. 3,894,566.23	
Less: Depreciation	<u>1,784,113.00</u>	Rs. 2,110,453.23

Add:

Expenditure on Research Grants fund	1,356,116.30	
" on Documentation Capital Fund	274,750.77	
" " NAB Fund	244,158.62	
" " Miscellaneous fund	256,567.17	
" " Scientific Man Power fund	13,831.21	
Working Committees fund	191,246.35	
Foreign Aid Fund	<u>819,892.31</u>	
		<u>3,156,562.73</u>
		5,267,015.96

Increase in Fixed Assets - Note 11

Office Equipment & Furniture	332,038.34
Motor Vehicles	117,089.55
Accessories & Miscellaneous	3,990.65
Library Books	65,245.75
Scientific & Laboratory Equipment out on Loan	608,507.16
Documentation	1,099,350.00
Capital Work in Progress	<u>228,063.62</u>
	<u>2,455,285.07</u>

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Telephone
මගේ අංකය
எனது இல.
My No.
ඔබේ අංකය
எமது இல.
Your No.

91151

EC/J/C/NRESA/83

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වෛ.වින් වතුරගුල, කොළඹ 7, ශ්‍රී ලංකාව

கணக்காய்வாளர் தலைமை அலுவலகத் திணைக்களம்
வெளிச்சரன் ஆங்ககம், கொழும்பு 7, இலங்கை.

AUDITOR-GENERAL'S DEPARTMENT
TORRINGTON SQUARE, COLOMBO 7
SRI LANKA (CEYLON)

දිනය/திகதி/Date December 11 1984.

**AUDITOR GENERAL'S REPORT ON THE ACCOUNTS OF THE NATURAL
RESOURCES, ENERGY AND SCIENCE AUTHORITY OF SRI LANKA
FOR THE YEAR ENDED DECEMBER 31, 1983**

The audit of the accounts of the Natural Resources, Energy and Science Authority of Sri Lanka for the year ended December 31, 1983 was carried out under my direction in pursuance of Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read with Section 13(1) of the Finance Act, No. 38 of 1971. In carrying out this audit I was assisted by a firm of Chartered Accountants in public practice.

A more detailed report in terms of Section 13(7)(a) of the Finance Act was forwarded to the Chairman of the N.R.E.S Authority on July 13, 1984.

My comments 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 the paragraphs that follow.

1.2 Scope of Audit

Audit opinion, comments and findings in this report are based on a review of the financial statements presented to audit and substantive tests of samples of transactions. The scope and extent of such reviews and tests were such as to enable as wide an audit coverage as possible within the limitation of staff, resources and time available to me. Sub-sections (3) and (4) of Section 13 of the Finance Act, No. 38 of 1971 give discretionary powers to the Auditor General to determine the scope and extent of the audit.

2. Accounts

2.1. Opinion

Subject to the comments appearing in paragraph 2:6 of this report, I am of the opinion that the accounts presented have been satisfactorily prepared on the basis of generally accepted accounting principles applied on a basis consistent with that adopted in the preceding year.

2:2 Financial Results

According to the accounts, the working of the Authority for the year ended December 31, 1983 resulted in an excess of expenditure over income of Rs: 3,894,566 as compared to an excess of Rs: 3,684,732 for the previous year.

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

	Year ended December 31, 1983		Year ended December 31, 1982	
	Rs.		Rs.	
<u>Income</u>				
Interest received		34,855		22,170
Sale of Publications		84,825		57,731
Photo copying receipts		8,928		6,130
Others		<u>29,833</u>	158,441	<u>32,565</u>
				125,596
<u>Less: Expenditure</u>				
<u>Authority Expenditure</u>				
Travelling	12,382			27,344
Printing and Publication		<u>374</u>		<u>-</u>
		12,756		27,344
<u>Other Expenditure</u>				
Staff Emoluments	1,722,525			1,384,087
Office Administration	<u>2,317,726</u>	<u>4,040,251</u>	<u>4,053,007</u>	<u>2,398,897</u>
			<u>3,894,566</u>	<u>3,684,732</u>
Deficit				

2:3 **Special Research Funds**

The details of expenditure incurred from the Special Research Funds are given below:

Description of Fund	Expenditure year ended Dec. 31, 1983	Expenditure year ended Dec. 31, 1982	Balance as at Dec. 31, 1983
	Rs.	Rs.	Rs.
Documentation Unit Capital Fund	367,489	296,353	656,682
Research Grants Fund	2,200,000	1,500,000	2,035,031
Man and Biosphere Fund	355,438	161,865	353,600
Miscellaneous Fund	256,567	290,945	398,380
Scientific Manpower Project Fund	13,831	38,198	187,109
Working Committee Fund	191,246	307,508	257,482
Foreign Aid Fund (Swedish Agency for Research Co-operation in Developing Countries Fund)	1,417,147	626,229	5,115,023

2:4 Financial Structure

The financial structure of the Authority as at December 31, 1983 as compared with that as at December 31, 1982 is given below:

	As at December <u>31, 1983</u>	As at December <u>31, 1982</u>
	R	R
<u>Resources</u>		
Authority Fund	6,032,340	6,016,210
Special Funds	<u>8,933,308</u>	<u>8,094,675</u>
	14,965,648	14,110,885
	=====	=====
<u>Utilisation</u>		
Fixed assets at written-down value	6,394,301	6,330,804
Net current assets	<u>8,571,347</u>	<u>7,780,081</u>
	14,965,648	14,110,885
	=====	=====

2:5 Source and Application of Funds

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

Sources

External Sources

	Rs.	Rs.	Rs.
Contribution from Government	7,400,000		
Foreign Grants - C.I.D.A.	78,980		
-do- - U.N.D.P.	1,071,858		
Money received from Mahaveli Authority	<u>74,200</u>		8,625,038

Application

Excess of expenditure over income for the year	3,894,566		
--	-----------	--	--

Add:

Adjustments in respect of previous years	<u>128,916</u>	4,023,482	
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Less:

Adjustments for items not involving movements of funds:

Depreciation	1,784,113		
Net increase in provisions	<u>17,445</u>	<u>1,801,558</u>	
		2,221,924	

Acquisition of fixed assets		2,455,285	
-----------------------------	--	-----------	--

Expenditure on Special Funds	<u>3,156,563</u>		<u>7,833,772</u>
Increase in Working Capital as analysed below			<u>791,266</u>

Effect on Working Capital

	<u>Increase</u>	<u>Decrease</u>	
	Rs.	Rs.	
Stock	9,884		
Debtors	19,056		
Deposits	450		
Pre-payments	31,301		
Creditors		43,610	
Accrued Charges	1,342		
Provisions	17,445		
Cash and Bank Balances	<u>755,398</u>		
	<u>834,876</u>	<u>43,610</u>	<u>791,266</u>

2:6 Comments on Accounts

2.6.1. Petty Cash Imprests with Grantees Rs.133748:

According to circular instructions issued by the Authority, the Petty Cash Imprests should have been returned in full if no expenditure was incurred for a period of three months. However, it was observed that 69.6 per cent of the grants for which Petty Cash Imprests had been granted have been outstanding for over three months.

The Director General informed me in November 1984 that of the Petty Cash Imprests outstanding as at December 31, 1983, 41 per cent had been since recovered and provision had been made in 1984 Accounts for the balance.

2:6:2 Confirmation of Assets and Liabilities.

Confirmations had not been received for the following balances.

Sundry Creditors	Rs 50,763
Petty Cash Imprests with Grantees	54,159
Deposits Receivable	20,835
Sundry Debtors	3,951

2:6:3 Staff Loans- Rs.133,026

The above balance includes a sum of ^{Rs.} 6525 over due from six ex-employees of the Authority.

3. Financial and Operating Review:

Research Grants

The objectives envisaged in the Natural Resources, Energy and Science Authority of Sri Lanka Act, No:78 of 1981 are mainly achieved through a system of awarding grants to individuals and institutions.

The position of the Research Grants as at December 31, 1983 is given below.

<u>Year of Accounts</u>	<u>1 Year Grant</u>	<u>2 Year Grant</u>	<u>3 Year Grant</u>	<u>4 Year Grant</u>	<u>Total</u>
1979	-	-	6	-	6
1980	2	-	4	-	6
1981	4	6	7	-	17
1982	13	10	11	-	34
1983	<u>21</u>	<u>25</u>	<u>25</u>	<u>5</u>	<u>76</u>
	40	41	53	5	139
	==	====	==	===	====

The normal duration of 35 Research Grants had expired at the end of 1983.

The Director General informed me in November, 1984 as follows:

Out of the 35 research grants that had expired at the end of 1983, 19 had been since completed, 4 terminated and 1 cancelled. 4 grants had been given official extensions. The work of 7 other grants have been completed and only the final reports are expected."

Sgd/ W. Ganoni Epa
AUDITOR GENERAL.

COMMENTS OF THE AUTHORITY ON THE AUDITOR GENERAL'S
REPORT ON THE ACCOUNTS FOR THE YEAR ENDED 31ST DEC. 1983

2.6.1 Petty Cash Imprest with grantees Rs. 133,748/=

The Circular instructions for the grantees are to settle the Cash Imprest which remains wholly unutilized for over 3 months. The Authority has found, on examination, that very few of the Cash Imprests really remain unutilized over the stipulated maximum duration. Generally grantees have utilized the cash imprests at least partially but fail to claim reimbursement within the time stipulated and hence they appear to have not adhered to the Circular instructions. However, additional safeguards have been arranged to be implemented from 1985 to gear them to abide by the particular instructions.

2.6.2 Confirmation of Assets and Liabilities

Of the deposits receivable of Rs. 20,835/= a sum of Rs.15,635.15 is being held by Govt. institutions, and they rarely respond to a request for confirmation.

2.6.3 Staff Loans Rs. 133,026/=

Of the Rs.6525/= due from ex-employees, the dues from two ex-employees have already been recovered and the amount due from another two employees are being recovered monthly. A sum of Rs. 185/= due from two ex-employees have been written off in 1984. The present work place of the other ex-employee has been traced and the Head of that particular Department has been requested to recover and remit the dues to NARESA.

3. Financial and Operating Review_Research Grants

Of the 7 completed grants where only the final reports were outstanding, two final reports have now been received.