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**GUIDELINES FOR FINANCIAL SUPPORT
FOR
AGRICULTURAL RESEARCH
FROM
OUTSIDE FUNDING AGENCIES**



KERALA AGRICULTURAL UNIVERSITY

VELLANIKKARA - 680 654

English

**GUIDELINES FOR FINANCIAL SUPPORT
FOR AGRICULTURAL RESEARCH
FROM OUTSIDE FUNDING AGENCIES**

Copies: 500

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Preface

The Kerala Agricultural University is charged with responsibilities of Research, Education and Extension in the field of Agricultural Sciences. The research programmes in the University are basically meant to improve the crop production through appropriate technologies developed by the scientists of Kerala Agricultural University. In order to find solutions to the different farming situations concerted efforts are needed, both in the applied and in the basic aspects of research.

It is often felt by the scientists that funds become a limiting factor to take up research projects in an elaborate way. The Kerala Agricultural University is aware of this fact and to a great extent funds are made available to the scientists to implement research projects in their areas of specialisation. In addition to the financial assistance provided by the KAU it is necessary that all efforts are made to get funds from outside agencies to support research programmes. Very often the scientists are not aware of the several outside funding agencies and the procedures required to get financial assistance. In this booklet available information on the various sources of financial assistance for taking up research in agricultural and allied sciences has been compiled so as to serve as a guide to the scientists working in KAU.

It is hoped that the scientists will make best use of this publication and forward proposals in selected areas for financial support from outside funding agencies.

Sd/-

(M. ARAVINDAKSHAN)

Director of Research i/c.

KAU, Vellanikkara,

10-7-1987

CONTENTS

Page No.

Financial Assistance for Research Projects

1	Indian Council of Agricultural Research (ICAR)	—	1
	a) Ad-hoc Research Scheme	—	1
	b) Emeritus Scientist Scheme	—	1
	c) Fellowships	—	2
	d) U. S.—India Fund (USIF)	—	8
2	Indian Council of Social Science Research (ICSSR)	—	15
3	Department of Science and Technology (DST)	—	22
	a) <i>Central Committee</i>	—	22
	i) Science and Engineering Research Council (SERC)	—	22
	ii) General Research Scheme (GRS)	—	22
	iii) Intensification of Research in High Priority Areas (IRHPA)	—	23
	iv) Promotion of scientific interest in youth	—	23
	v) Science and Technology for women	—	23
	vi) Scheme for development of scheduled castes and scheduled tribes in Science and Technology areas	—	23
	vii) Future Research	—	24
	b) <i>State Committee on Science, Technology and Environment, Govt. of Kerala, Secretariat, Trivandrum</i>	—	34
4	Department of Environment (DOEn)	—	37
	a) Co-ordinated Research Projects in the Western Ghats Region—Scope of the programme	—	37
	b) Extension and Education	—	38
5	Department of Atomic Energy (DAE)	—	42
6	Council of Advancement of Rural Technology (CART)	—	47
7	University Grants Commission (UGC)	—	49
8	The Indian National Science Academy (INSA)	—	50

9	Department of Ocean Development (DOD)	—	51
10	Department of Non-conventional Energy Sources (DNES)	—	52
11	Department of Defence Research and Development (DDR D)	—	53
12	Council of Scientific and Industrial Research (CSIR)	—	54
13	Department of Electronics (DOE)	—	55
	a) Technology Development Council (TDC)	—	55
	b) National Radar Council (NRC)	—	55
14	Indian Council of Medical Research (ICMR)	—	56
15	Indian Space Research Organisation (ISRO)	—	57
	Financial Assistance for Training Programmes/ Participation in International Conferences/Seminars/ workshops etc.	—	59
1	Science & Engineering Research Council (SERC)	—	59
2	Department of Education (DE)	—	63
3	University Grants Commission (UGC)	—	65
4	United Nations Educational Scientific Cultural Organisation (UNESCO)	—	66
	References	—	67

1. INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)

a) Ad-hoc Research Schemes

Schemes can be sponsored by ICAR Institutes and Agrl. Universities capable of undertaking research in Agriculture, Animal Husbandry, Fisheries and allied disciplines.

A large number of short term, result-oriented *ad hoc* research schemes are supported for filling critical gaps in the scientific field or for resolution of problems limiting production in Agriculture, Animal Husbandry and Fisheries. Fundamental or applied aspects can also be proposed. The projects may be of single or multidisciplinary nature.

Assistance is normally for three years; but not exceeding five years (after due extension).

The proposal (35 copies) in the prescribed proforma (See Annexure) is to be sent to the Secretary, ICAR, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110 001.

Components of grant include:

- 100% assistance for schemes from Universities
- Staff salaries, specialised equipment, recurring contingencies and small items of work in selected areas (if recommended by the Scientific Panel and approved by the Council)
- Provision for very essential scientific, technical and supporting staff on regular pay scale is permitted, provided the University gives an undertaking to absorb the staff on termination of the scheme. Research Associates can be proposed for assisting the the Principal Investigator (PI)

The PI shall submit the first progress report six months after the start of the scheme and thereafter annual reports. On completion, the PI shall submit a final report (All the reports in the prescribed proforma, which will be provided along with the sanction of the scheme)

b) Emeritus Scientist Scheme

Suitable research grants are provided to retired Scientists of repute for continuing research in Agriculture, Animal Husbandry, Fisheries and Basic sciences relating to Agriculture.

* Biodata (20 copies) and detailed project proposals (20 copies) in the prescribed proforma (available with ICAR) should be sent to the Secretary, ICAR.

* Grants available include:

Honorarium @ Rs. 1000/-p.m., contingent grant upto Rs. 7000/-p.a [to cover purchase of essential items of chemicals and glassware, books & stationary, part-time ministerial help, tours within the country] and grant for engagement of one Research fellow on rates to be approved by the Council.

Normally sanction is accorded for two years in the first instance, may be extended by another two years in deserving cases.

Annual progress reports of the project (for the period ending December each year) in the prescribed proforma shall be sent by the Scientist during January each year. On termination of the project, a final report is to be sent.

c) Fellowships

Awarded for study course and research leading to Ph.D. The number and subjects are announced in newspapers.

Applications to be sent to the Secretary, ICAR.

The award is normally for three years. In exceptional cases, six months' extension is given. For SC/ST, extension could be for one year.

In addition to the fellowship amount a contingent grant of Rs. 3000/-per year will be paid to the host institution to cover the cost of study tours, experimental material, books and thesis.

Post-doctoral fellowships

* To provide continuity of research for outstanding research workers and teachers, after the Ph.D. programme. The candidates should have completed the Ph.D. degree and should be below 45 years.

* Duration is normally two years in the first instance. Extension of one year may be given based on the performance report of the supervisor.

* Value Rs. 1300/p.m.

In addition, a contingent grant of Rs. 4000/-per year is paid to the host institution towards study tours, cost of experimental materials, books and other items.

The fellow is expected to submit a six-monthly progress report and a copy of the project report.

CONTACT

The Secretary
Indian Council of Agricultural Research
Krishi Bhavan
Dr. Rajendra Prasad Road
New Delhi-110 001.

**PROFORMA OF APPLICATION FOR GRANT FOR AD-HOC
RESEARCH SCHEMES FOR CONSIDERATION OF INDIAN
COUNCIL OF AGRICULTURAL RESEARCH (I.C.A.R.)**

- 1 Title of the scheme
(Give a brief but clear title of the proposed investigation. Use of words and phrases like 'To investigate' or 'Scheme for' should be avoided)
- 2 Location
 - a) Name and address of Institute/University
 - b) Name and address of the Head of the Department/Division of the Institute/University
 - c) Actual location where the research work will be carried out.
- 3 Information regarding Principal Investigator.
 - a) Name and designation
 - b) Brief bio-data indicating his specialised interest particularly in relation to the proposed research work.
 - c) List of important publications in this or related field (clearly indicate names of co-authors, if any, full title, name of journal, volume and page number).
 - d) List of other research scheme (s) being carried out by the Principal investigator with financial support from various agencies/organisations (Including ICAR)

Name of the agency	Title of the Scheme	Period		Grant
		From	To	

- 4 Information regarding other research scientists to be associated with investigation.
 - a) Name and designation
 - b) Brief bio-data indicating his specialised interest particularly in relation to the proposed research work.
 - c) List of important publications in this or related field (clearly indicate name of co-authors, if any, full title, name of journal, volume and page numbers).

- d) List of other research scheme(s) with which the Scientist (s) is/are associated and which are being carried out with financial support from various agencies/organisations (including ICAR).

Name of the Agency	Title of the Scheme	Project		Grant
		From	To	

- 5 Objectives: (Objectives should be precise and result-oriented which could be achieved within a specified period of time).

Before stating the objectives, a statement on the importance and relevance of the problems in the background of which the objectives have been formulated be given. The assumptions made and a clear cut formulation of the basic hypotheses to be tested should also be given.

- 6 Practical/Scientific utility

Practical utility of the investigation including economic implications of the results likely to be achieved through this scheme, necessity of further research indicating lacuna in knowledge on the subject.

- 7 Review of research conducted/being conducted on the subject in India and abroad.

- a) At the sponsoring Institution (State preliminary work already done, techniques standardised, data collected etc.)
- b) Research work done and in progress in India.
- c) Research work done and in progress abroad.

- 8 Technical programme

(This is an informative statement for scrutiny by the Scientific panel indicating essential phases/items of contemplated programme giving in-sight into the methodology and experimental techniques to be employed for executing the research programmes' plan. A well-prepared year-wise plan of work is essential for the appraisal of research proposal).

- a) The main items of observations to be recorded.
- b) Arrangement for analysing data and the name and designation of the statistician associated in the programme planning.
- c) The items of investigation for which collaboration, (indicating the collaborators with other section/Department/Institute) is proposed.

- 9 Facilities: (Give details of facilities required for conducting the scheme)

- a) Already available and can be provided free of charges.
 - i) List of equipment and apparatus.
 - ii) Area of land/number of livestock for experimentation.
 - iii) Laboratory and office facilities etc.
- b) Additional facilities required which are chargeable to the scheme:
 - i) Equipment and apparatus.
 - ii) Land/Livestock
 - iii) Laboratory and office facilities etc.

10 Duration

(It should be short duration, normally for a period of three years and in no case could it be extended beyond five years).

11 Staff requirements

(Give details of scientific, technical and ministerial staff actually to be employed in the scheme as under)

Designation of post	Number	Scale of pay	Qualification prescribed (for technical/scientific posts only)
---------------------	--------	--------------	--

12 Estimates of costs

(Make year-wise estimates for the total period of the scheme giving details as indicated below):

(The post should be provided in the scale of pay prevalent in sponsoring organisation/State Government/Institute for similar posts. The provisions for pay should be made only to the initial pay of the scale)

Sl. No.	Name of post	Scale of pay	No. of posts	1st year	2nd year	3rd year	Total
---------	--------------	--------------	--------------	----------	----------	----------	-------

1 Pay of officers

2 Pay of Establishment

(Normally the Council will not provide for the supporting staff such as Field/Laboratory Attendants/Assistants, Typists, Clerks, Class IV employees)

3 Allowances and Honoraria

- a) Dearness Allowance
- b) House Rent
- c) City Compensatory Allowance

- d) Other Allowances (including Medical allowances, CPF, Leave Salary etc.)
- e) Travelling Allowance
- 4 Contingencies
 - a) Recurring (with details such as glassware and chemicals and other contingencies)
 - b) Non-recurring
(Normally the sponsoring agency should provide the non-recurring contingencies. However, the Council may consider providing for any specialised equipment that might be considered essential for executing the project).

Recurring	Non-recurring	Total
-----------	---------------	-------

Share of the Council

Share of the Sponsoring Agency/Institute

(Normally the Council will bear 100 per cent expense in respect of the projects sponsored by the agencies other than the State Governments. In the case of the State Government it is on 50:50 basis)

13 Receipts anticipated

(Please indicate the approximate receipts as a result of working of the scheme)

Undertaking

14 Certified that:

- i) The research work proposed in the scheme does not in any way duplicate the research work already done and being carried out elsewhere on the subject
- ii) The scale of pay, allowances etc. proposed above are those admissible to persons of corresponding status employed under(Name of the Institute/University)
- iii) The present scheme cannot be combined with any scheme financed by the Council, Central and State Governments, Universities or Private Institutions of their own funds.
- iv) Necessary provision for the scheme will be made in the Institute/University/State budget in anticipation of the sanction to the scheme by the Council.
- v) We have read the memorandum of understanding between the Indian Council of Agricultural Research and the sponsoring

Institution in respect of *ad-hoc* research projects from Agricultural Produce Cess Fund of the Revised Guidelines for *ad-hoc* schemes. We undertake to abide by the guidelines provided by the Council for the implementation of the *ad-hoc* projects

Signature
Name
Designation
Date

Principal Investigator
Executive Authority of
the Institute/University/
State

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI-110 001

Dated the

No.

ACKNOWLEDGE

Subject:- New Research Scheme entitled.....
.....
.....
.....

This is to acknowledge the New Research Scheme submitted by you vide your letter No.....dated.....the.....on the above subject for being financed by the Council from its Agricultural Produce Cess Funds and to say that the scheme is being examined.

Council's decision on the proposal would be intimated to you in due course. For all future correspondence kindly quote the code number given below:

Code No...../RPF

S.O./U.S./A.D.G.

Indian Council of Agricultural Research

To

.....
.....
.....

(d) US—India Fund (USIF)

Funds are available to support collaborative Agricultural Research in India of mutual benefit to both nations. A list which identifies topics of high priority and mutual interest as agreed upon by the Indo—U.S. Subcommittee on Agriculture, is enclosed. Proposals to be funded under this programme should normally be in one of these priority areas.

At the first stage, two copies of a pre-project proposal in the form of a concept paper should be sent both to ICAR and to FERRO for review and comment. This brief concept paper should include project title, objectives of the project, plan of work and scientific resources required for the project in terms of scientist-years. A complete CV, including list of publications of the proposed Principal Investigator, should also be attached.

Once ICAR and FERRO each review the concept paper, and it is accepted in principle, ICAR will advise the scientist concerned to submit a formal project proposal. This proposal will be developed based on the concept paper as submitted or, after incorporating those modifications suggested by ICAR/FERRO. Specific guidelines regarding preparation of a formal proposal acceptable to both ICAR and FERRO would be appended to the concept paper when returned to the scientist. FAS will return all concept papers not of interest to ICAR/FERRO.

The scientist then has 90 days to develop and submit a formal project proposal. Using proper channels, the scientist should send 35 copies of the formal proposal to ICAR and 7 copies to FERRO. In preparing the proposal, the following points should be carefully observed:

- 1 Only active and working scientists should be associated with the project. A scientist over 60 years of age would not be approved as a Principal Investigator for a project under this programme. Wherever the proposed Principal Investigator is due to attain the age of 60 years during the currency of a project it should be ensured that a Co-PI is associated with the project. The Co-PI would assume the full duties of the PI when the latter attains the age of 60 years.
- 2 Sponsoring institutions are required to indicate the nature and extent of technical collaboration needed for successful project implementation. This should include several names of scientist in the US who might serve as Collaborating scientist for the proposed project.
- 3 The normal duration of a project shall be three years, which can be extended by a maximum period of two years.

- 4 If foreign travel is an important element in the proposed project, the PI should provide extensive justification. All proposals for deputation abroad would be examined by the ICAR in accordance with separate guidelines formulated for this purpose.
- 5 The recruitment of scientific and technical staff for these projects should be in conformity with the rules and regulations of the concerned organisation. Any staff appointed shall be purely on a temporary basis and only for the duration of the research project.
- 6 Scientists are expected to detail reasons why items costing over rupees one lakh each are needed for the proposed research. A statement attesting non-availability of such equipment for the research project would be required from the Dean or Director of Research. All items of equipment which are approved under the project shall be procured within the first 12 months of the project, failing which, the funds for this purpose would be withdrawn.

Proposals for extension and/or additional grant

Any proposal for extension without additional grant should be sent to the ICAR, with a complete report on the progress achieved to date, justification for extension and particulars of extension required at least three months before due date of termination. In no case will a request for the extension of the project be entertained by FERRO after the date of termination of the project.

In case where additional grant is requested, with or without extension in the time period, this should be received in the ICAR 12 months before due date of termination of the project.

e) Project Proposal for Support from U. S. Held Rupees

Part—I General Information

- 1 Title of the project
 - a) Is this included in the List of High Priority Areas Identified by the Indo-US Sub commission on Agriculture?
- 2 Sponsoring institution/Agency—Department/Laboratory

Part—II Investigators—Their qualifications & experience

- 3 Names and designation of Principal & Co-principal investigators.
- | | | |
|---|-------|-------|
| 1 | ..... | PI |
| 2 | ..... | Co-PI |
| 3 | ..... |  |
| 4 | ..... |  |
- a) Date (s) on which the PI's will attain the age of 60 years.
- (Details about their date(s) of birth, qualifications and research experience and publications related to above project are enclosed).

- 4 Project already in hand with investigator (s) along with sources of funding
- | Title | Duration & Date of starting | Source of funding |
|-------|-----------------------------|-------------------|
| i) | | |
| ii) | | |
| iii) | | |

Part—III Project Description

- 5 Objectives
- Immediate
 - Long term
 - Importance of Investigations
- 6 Review of the research work already done on the subject
- In the sponsoring Institution
 - In other Institutions in India
 - In Institutions abroad.
- 7 Plan of work (Giving details how the project will be implemented in a phased manner year-wise).
- 8 Nature and extent of U. S. Assistance/collaboration
- Justifications for technical collaboration with the U. S. Institutions and scientists
 - If fellowships and consultancy services and study tours abroad form part of the technical collaboration, full justification should be given together with the proposed sources of funding from dollar or rupee funds.

c) Consideration should be given to sensitivity aspects, wherever necessary.

9* Duration of project*

10 The scientific personnel assigned

11 Total scientist years & description of duties

12 Facilities offered by the sponsoring institution:

13 Budget

	Cost		
	1st	2nd	3rd
<i>I Non-recurring</i>			
i) Equipment (as per list Annexure-I).			
ii) Spares/Materials etc. (as per list Annexure-II).			
<i>II T. A.</i>			
iii) Collaboration of U. S. experts (Details to be attached).			
iv) Study tours/visits etc. to U. S. A. by Investigators etc. (Details to be attached)			
<i>III Recurring</i>			
v) Staff Salaries/allowances etc. (Details attached).			
vi) Contingencies			
vii)			
		<u>Total</u>	
1st year			
2nd year			
3rd year			
		<u>Grant Total</u>	

*Ordinarily for 3 years.

Certified that

- i) The scale of pay, allowances etc. are those admissible to person of corresponding status employed under the Institution.
- ii) The present scheme cannot be combined with another scheme financed entirely by the Central/State Govt./University or Private Institution from their own funds, not financed by or submitted to I. C. A. R.
- iii) There is no foreign exchange component.
- iv) The project has not been submitted to any other Indian agency for financial support.
- v) This Institute will provide the basic facilities for undertaking the proposed project to the Investigator(s).

(Signature of Principal
Investigator)

(Signature of Head of Institute/
Organization)

INDO-US SUBCOMMISSION ON AGRICULTURE RESEARCH PRIORITIES IN AGRICULTURE

At the 1980/1982/1984/1985 Meetings of the Indo-US Sub commission on Agriculture, the following areas were identified as Research Priorities in Agriculture (these are not in rank order).

- 1 Integrated Plant Nutrient Management System with emphasis on Biological Nitrogen Fixation, both symbiotic and nonsymbiotic.
- 2 Energy Management in Agriculture.
- 3 Soil and Water Management.
- 4 Post Harvest Technology.
 - a) Soybean processing and utilization research.
 - b) Durable agricultural commodities.
 - c) Fruit and vegetable preservation.
- 5 Citrus management.
- 6 Groundnut research.
- 7 Agro-Forestry, Silvi-pastoral development of suitable food, fuel system, etc.
- 8 Integrated Pest Management.
 - a) Pest management utilizing insect pheromones.
 - b) Meloidogyne and other Nematodes.
- 9 Reproductive Physiology and Breeding of Penaeid Prawns.
- 10 Hematozoan diseases of livestock and their control (Haemoprotozoan disease especially thielariasis with special reference to the developments immuno of prophylais).
- 11 Livestock Breed Development Methodology.
- 12 Methodology and efficient nutrient utilization in livestock.
- 13 Studies on nitrogen conversion in cattle/buffaloes.
- 14 Exploitation of unutilized and underutilized plants.
- 15 Plant hormones and other bioregulants.
- 16 Embryo transfer technology in livestock (OVA transplantation).
- 17 Utilization of biomass.
- 18 Microbial degradation of lignocellulose for use as livestock feed.
- 19 Biotechnology:
 - a) Tissue culture in animals,
 - b) Immunobiology of tumours,
 - c) Viral genetic engineering,
 - d) Tissue culture in horticultural plants.
- 20 Exchange of information in agricultural economics.
- 21 Efficient use of fertilizers.
- 22 Management, handling and storage of solid and liquid fertilizers.
- 23 Production of fertilizers from coal and low grade rock phosphate.
- 24 Organic fertilizers, pesticides and seed training in field of seed agricultural machinery and pesticides.

- 25 On Farm Water Management.
- 26 Membrane technology and ultra heat technology in handling fluid milk.
- 27 Germplasm collection and evaluation with special reference to identifying genetic sources for stress resistance.
- 28 Agrometeorology, crop modelling and crop productivity.
- 29 Tillage studies.
- 30 Aquaculture.
- 31 Sunflower research
- 32 Dryland/Desert Development.

Preliminary proposal for Informal review

The preproposal should include: (should be 2 or 3 pages only)

- 1 Title of the project
- 2 Outline of Research Objectives
- 3 Brief plan of Work/Technical Approach
- 4 Scientists person-years required to carry out the Proposed Research.
- 5 Qualifications and experience of the Principal Scientist (Biodata plus list of publications)
- 6 There is no deadline for submission of Proposal/Preproposal.

Upon receipt of preproposal, we shall have it reviewed by our USDA scientists and inform you of their interest and comments/suggestion for further action.

2 INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR)

Scope of the scheme

The ICSSR will consider for financial assistance, research proposals under this scheme on any theme which has a significant social science orientation. The proposals may belong to any discipline, such as Economics, Sociology, Political Science, Psychology, Geography, History, International Relations, etc. or these may span across disciplinary boundaries.

Categories or Research Proposals:

Research proposals may relate to important theoretical, conceptual or methodological issues or to significant issues of policy. Research proposals may fall broadly in the following categories:

a) Research projects:

Proposals for research projects may involve writing a book/monograph based on one's past research or principally analysis and interpretation of primary data/material collected through survey research or based on secondary data.

Grants under this category may be made:

- i) to an individual scholar
- ii) to two or more scholars submitting a joint proposal or a co-ordinated group of research studies; and,
- iii) to an institution, on specific request.

Grants may also be given for a group of research projects to be undertaken sequentially, either by an individual scholar or by a group of scholars or by an institution. These could be different phases of a single project or interlinked projects. In such cases, the approval of the ICSSR may be given, in principle, to all the phases of the project or to the entire group of interlinked projects, but financial sanction will be given only to one phase or one project at a time.

b) Awards to Teachers:

These awards, with a maximum value of Rs. 7,500 are intended to assist social scientists.

- i) to pursue their research interest on their own, without any research assistance;
- ii) to provide marginal support to scholars in terms of secretarial assistance, research assistance, travel, etc.
- iii) and, to write a book/monograph based on their past research.

Research Programmes:

Research programmes are studies on a theme or in an area, extending ordinarily, from 3 to 5 years and costing over Rs. 1 lakh. Proposals

for such programmes may be submitted by an institution or a group of institutions.

All research grants sanctioned to an individual scholar or to two or more scholars, shall be paid through an educational/research or an allied institution/organisation. In case of a group of projects sanctioned to a group of scholars, these grants may be paid through the institutions identified by the scholars concerned.

Limits to the number of projects/programmes that can be sanctioned to an individual scholar/Institution:

- 1) Ordinary a scholar will be entitled to take up only one research assignment at a time, whether it is a teacher's award or a project (or a programme, in which he is the Co-ordinator).
- 2) Ordinarily, not more than one research programme shall be sanctioned to an institution or organization at a time.
- 3) Research projects sponsored or assigned by the ICSSR as well as projects designed to analyse secondary data will not, however, be covered by rule (1) above.

RESEARCH PROJECTS

General directives for formulation and submission of Research projects:

Research projects on a specific topic with significant science orientation will be entertained by the Council for purposes of financial support.

The proposal should be in the name of the scholar, who should submit it through the head of the institution where he is working or where he desires the project to be located for administration of the grant.

2) The scholar should ordinarily have a Ph. D. degree (or its equivalent) in social science. Alternatively, he should be recognized as a Ph. D. guide by a University or should have carried out (or published) research work in social sciences of high academic merit, equivalent to a Ph. D. Degree.

3) The ICSSR may, however, grant a research project to a person who has no formal qualifications in social sciences if his research competence is proven.

The Project Directors shall be personally responsible for completing their projects. The grant for the projects will be made available to them through an institution, which shall agree to:

- * administer and manage the finances;

- * provide accommodation and furniture required for the project;
- * make available all its research facilities, such as library, laboratory and other equipment; and provide the ministerial and messengerial assistance necessary for the project.

Proposals for research projects should be self-contained and prepared broadly in accordance with the guidelines given in Appendix-1.

The scholar should submit four copies of the research proposal complete in all respects including the note on the work done so far on the subject and the precise contribution which the research project is expected to make to the existing body of knowledge.

The scholar should also submit four copies of his bio-data in the form prescribed in Appendix-2.

If the project involves a field trip to a foreign country, the scholar should give the details of the field trip and the cost involved, together with adequate justification for the same. No request for such field trip abroad shall be ordinarily entertained later.

The scholar shall submit at least one copy of the papers of his project as detailed in Rule-1 through the head of the institution where he is working or through which the project grant is to be administered.

The institution shall forward them with an endorsement as given in Appendix-3.

The grants of the ICSSR will ordinarily be given for projects covering a period of not more than two years. In special cases, projects covering a longer period may also be considered on merit.

The grants of the ICSSR will cover expenditure on:

1) Pay and allowances of the project staff, other than the director who will be honorary, except where a specific provision has been made under rules. (The pay and allowances of the persons will not be sanctioned as a part of expenditure on a research project. Any expenditure on this account may however, be met out of the overhead charges mentioned under item (9) below.)

2) Travel to be undertaken in relation to the project:

- a) within the country
- b) abroad

3) Data processing

4) Stationery and printing of questionnaires, schedules, etc.

5) Equipment

6) Books, journals, photo-copies, etc.

7) Contingency

8) Any other (to be specified) and

9) Overhead charges at the rate of 5 percent of the total cost of items (1) to (8) excepting item (2) (b) above.

(Note: Retrospective payment for work already done will ordinarily not be permissible).

Appendix-I

PROFORMA

- i. The title of the project
- ii. Statement of the problem
- iii. Overview of literature
- iv. The conceptual framework
- v. Research questions or hypotheses
- vi. Coverage
- vii. Data processing
- viii. Data collection
- ix. Time budgeting
- x. Organizational frame work
- xi. Cost estimation

The cost of the project is to be estimated in terms of total man-months and the facilities needed.

Calculate it under the following headings:

1 Personnel:

Position	No. of persons	Salary (including allowances, etc.)	Duration	Amount required
2	Travel			
3	Data processing			
4	Stationery and printing			
5	Equipment (total expenditure should not exceed 5 per cent of the total budget)			
6	Books, journals, etc. (expenditure not to exceed 5 per cent of the total)			
7	Contingency expenses including postage			
8	Any other (specify)			
9	Overhead charges 5 per cent of the cost (ie. of the sum of items 1 through 8, where applicable)			
10	Grand total			

While suggesting budget estimates for the research proposal, the project director should take into account the time budget as well as various steps involved in the conduct of the research proposal.

The rationale for the allocation of time and money for the various items of budget estimates must be furnished.

Appendix-2

BIO-DATA OF THE PROJECT DIRECTOR

- 1 Name of applicant
- 2 Position held
- 3 Department
- 4 Institution
- 5 a) Mailing address with PIN code b) Telegraphic address c) Telephone: Office: Residence:
- 6 Permanent address
- 7 a) Date of birth b) Place of birth
- 8 Nationality
- 9 Academic qualifications

Degree	Subjects	University	Division/grade obtained	Year of passing
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B.A.

M.A.

Ph.D.

Any other specialized courses (please list)

10 List of publications (in the last five years)

11 Experience

12 The number of projects completed by the applicant so far

Sl. No.	Title of the project	Duration	Total cost	Source of budget support	Status of the project*
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13 Research projects currently being conducted by the applicant

Sl. No.	Title of the project	Source of support	Budget estimate	Date of commencement	Probable date of completion
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* Please indicate whether the report has been published, is to be published or is still to be completed.

- 14 Was this proposal submitted to any other funding agency? If so, what was the outcome?
- 15 Is this research currently being supported by any other agency or is this application being submitted elsewhere? If so, please give details. Decisions about application to other agencies (including those made after the award of ICSSR grant) should be reported to the ICSSR as soon as available.
- 16 Any other information that you think is relevant for the evaluation of the proposal.

(Signature)

CONTACT

Centre: Advisor
Indian Council of Social Science Research
35, Ferozeshah Road,
New Delhi-110001

State: Centre for Development studies
Aakulam Road,
Ulloor, Trivandrum. (Dt.)

FORWARDING FORM FOR USE OF THE INSTITUTION

Project proposed by.....

Status

I forward the proposal for financial support to the ICSSR. The Institution agrees to:

- administer and manage the finances
- provide accommodation and furniture required for the project.
- make available all its research facilities such as library, laboratory and other equipment, and
- provide the material and managerial assistance for the project.

If the scholar directing the project leaves our institution to join some other institution, after part or the sanctioned grant has been received, we would have no objection to the project being transferred to a new institution, if the Project Director/ICSSR, so desires. The institution, however, shall continue to be responsible for submitting the audited statement of accounts and utilization certificate for the grant received by it, for this purpose.

Date:

Name & Designation
(in block letters)

Signature^e

(Office seal)

3 DEPARTMENT OF SCIENCE & TECHNOLOGY (DST)

a) **Central Committee**

The DST supports scientific research under seven schemes.

i) **SCIENCE AND ENGINEERING RESEARCH COUNCIL (SERC)**

Promotes research in Science and Engineering to cover integrated programmes involving:

- inter-disciplinary fields
- newly emerging & frontier areas
- inter-institutional programmes
- encourage brilliant young scientists

- * Scientists from Universities having some essential basic facilities for carrying out projects can submit proposals.
- * Proposal in the prescribed format (to be obtained from DST) may be sent any time during the year.
- * Components include staff salaries, equipment, consumables, internal travel & other miscellaneous expenditure.
(Basic infrastructure and building are not included)

ii) **GENERAL RESEARCH SCHEME (GRS)**

Financial support is provided so that the scientists would not have to look for assistance from abroad under specific foreign currency programmes.

- * Scientists from Universities can submit proposals.
- * Special consideration is given to states where sufficient infrastructure for S & T is not yet available.
- * Research support available for;
vital areas of Agricultural & Biological Sciences, Health & Medicine, Engineering, Physical and Chemical Sciences.
- * Proposal in the prescribed form (which can be obtained from DST) may be sent any time during the year.
- * Components of grant include staff salaries, equipment, consumables, internal travel and other miscellaneous items.
(Basic infrastructure & buildings not included)

iii) INTENSIFICATION OF RESEARCH IN HIGH PRIORITY AREAS (IRHPA)

The scheme provides support to a few areas of research that have high priority from the view point of advances in fundamental science or can be of great significance for national development.

Intensive research is promoted by:

- * building up of a core group around highly competent scientists
- * supporting major national R & D programmes involving several institutions and agencies
- * establishing specialised facilities critically required for carrying out research in high priority areas at the national level

The mechanism of funding under IRHPA is closely related to that under SERC.

iv) PROMOTION OF SCIENTIFIC INTEREST IN YOUTH

To encourage involvement of young scientists (18 to 35 years) in the national S & T development process:

- * small research & development projects, and feasibility studies to promote scientific interest in youth
- * organisation of seminar/symposia on subjects relevant to the promotion & encouragement of scientific interest in youth
- * travel grants to young scientists for attending International Conferences, Training courses, Summer/Winter Schools in India and abroad
- * publication aimed at promoting scientific interest in youth

v) SCIENCE & TECHNOLOGY FOR WOMEN

Under the scheme, it is proposed to formulate All India Co-ordinated Projects on Development of Technologies to benefit women in general (in reducing drudgery, increasing productivity in their area of work, opening up of new vocations for them etc).

vi) SCHEME FOR DEVELOPMENT OF SCHEDULED CASTES AND SCHEDULED TRIBES IN SCIENCE & TECHNOLOGY AREAS

The scheme is for promotion of technology for occupations engaging S. C./S. T., landless labour and linked occupations.

- * Specific surveys to identify areas and the required technologies
- * Formulation and implementation of projects to generate the technologies
- * Programmes for field applications and prototype development are supported under the scheme.

vii) FUTURE RESEARCH

The objectives of the scheme are to promote research on quantitative modelling on various economic and commodity sectors, to examine existing ones and new policy instruments needed in future to foster economic growth through application of S & T, and also to generate, through seminars and workshops, awareness to application of anticipatory techniques.

CONTACT: *(for all DST schemes)*

Advisor
Science & Technology Promotion Division
Department of Science & Technology
Technology Bhavan,
New Mehrauli Road,
New Delhi-110 016
(Proforma for funds appended)

DEPARTMENT OF SCIENCE & TECHNOLOGY (STP DIVISION)

Proforma for application for grant for holding National/International Seminar/Symposium/Conference on subjects related to "Science and Technology for Development" (To be submitted at least 2 months in advance of the holding of the Seminar/Symposium/Conference)

A) Instructions

- 1 Restrict yourself to limits of characters wherever shown within bracket against each item. Do not leave any item blank.
- 2 Enclosures required (Item-wise)

A) In case of Regd. Society, copy of the following should be enclosed:

- a) Registration Certificate
- b) Memorandum of Association
- c) Bye-laws
- d) Audited Statement of Accounts of the Society for previous year
- e) Name and address of the Chairman
- f) List of invitees/participants should be attached giving full address in the order
 - 1) Indians
 - 2) Foreigners

B) **The details of the Technical Programme should be attached giving minute details of technical sessions and their Chairman etc.**

C) The action plan for implementation of Recommendations of Seminar/Symposia/Conference should also be discussed.

D) The application has to be submitted with the recommendation of the Head of the Institution/Vice-Chancellor

3 The application has to be filled in all respect.
Incomplete applications will not be entertained.

For Office use only

REGISTRATION No PAC. CODE
DATE OF RECEIPT..... INST. CODE

- 1 Activity Seminar Symposium Conference Workshop
2 Geographical National International Regional
coverage
3 Broad subject Life Sc Chemical Sc. Physical Engg.
area others Sc Sc
4 Name of
Conference
5 Dates From To
6 Place
7 Name and address of Organizing Institution
Institute Name
Department
ADD 1
ADD 2
ADD 3

PIN

--	--	--	--	--	--

- 8 Status of Organizing Institute Professional Body State Govt
Registered Society Medical College
Private Industry Private College
University Others

9 Name & Address of Chairman
 (Contact person)
 Designation.....

10 Designation of official empowered to receive financial grants.

11 Broad details of estimated expenditure:
 Account Head Amount:

- a) TA/DA for young scientists
- b) TA/DA for senior scientists
- c) Pre-conference printing
- d) Stationery
- e) Secretarial assistance
- f) Publication of proceedings
- g) Local Hospitality
- h) Honorarium
- i) Rental for venue if any
- j) Folders
- k) Misc.

12 Estimates of proceedings
 No. of pages :
 No. of copies :
 Will the proceedings be priced?

13 Details of income, amount required and source of income:

Source	Amount committed/ received, if any	Account head (as per item No. 11) for which grant requested
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14 Financial Assistance required from DST
 Account Head Amount

15 Details of previous grant
 received from DST in the past
 Reference No. Type of activity Date of furnishing Utilisation
 Certificate

16 Details of participants
 a. No. of foreign young Scientists :
 b. No. of foreign Scientists :
 c. No. of Indian young Scientists :
 d. No. of Indian Scientists :
 e. No. of Indian participants
 whom TA/DA being offered :

17 In the case of International Conference,
 kindly give the following particulars in
 respect of the enclosed guidelines in
 addition to the following :

Resources for International Travel and local hospitality :

- 18 In case foreign Scientists are being invited, the clearance for their participation has been obtained from
- | | | | |
|---|-----|----|-------------|
| | Yes | No | Applied for |
| a. Administrative ministry of the organiser | : | | |
| b. External Affairs Ministry | | | |
| c. Home Affairs Ministry | | | |
- 19 Brief statement of objectives of Seminar highlighting its importance in national context
- a. Review state of art
 - b. Formulate specific programme of action
 - c. Bring out proceedings/papers in the subject
 - d. Others (please specify)
- 20 Is this Seminar held annually?
- If yes, please give a brief statement on the follow-up of the recommendations of the Seminar held in the past 3 years.

Signature of applicant

Signature of Head of Institution

Guidelines for holding International Scientific Conferences in India

PREAMBLE:

International conference in science and technology has become an important activity for the members of the scientific community for mutual interaction and exchange of view, and to enable them to keep abreast of the latest developments in the specialised fields of knowledge. The number and size of such international scientific conferences have greatly increased of late and further, financial support required for organising these conferences has become increasingly large. Having regard to the rapid expansion of Science & Technology activities in the country in recent years, there has been a general tendency and rightly so, by the members of the Indian Scientific community to invite, sponsor and host major international conferences in India. In this context, it would be useful for the smooth and efficient organisation of international scientific conferences, if a set of broad guidelines are readily available to the various scientific agencies, professional bodies and to the members of the scientific community in general. Based on its experience of assisting scientific bodies in holding such international conferences in India and through discussions with them, the Department of Science & Technology has formulated broad guidelines as given below. It is hoped that these guidelines and the annexed check list would help the organisers to expeditiously tackle procedural and financial problems in organising international scientific conferences.

I. SCOPE AND APPLICATION:

- 1 These guidelines apply to the holding of large international conference in science and technology as broadly indicated below:
 - a) Conferences held directly under the auspices of the International Council of Scientific Unions (ICSU) and or any one of its component Unions and Committees/Commissions and such other bodies. Such conferences are sponsored in India by the Indian National Science Academy (INSA), being the adhering organisation from India in the ICSU and its affiliated bodies. Conferences sponsored by ICSU and its component Unions and Committees also covered by these guidelines. Such co-sponsorship is to be arranged through the INSA.
 - b) Conferences sponsored by or held under the auspices of other international professional scientific bodies, (i. e. other than ICSU and its component Unions and Committees) being non-governmental bodies in which Indian scientists are technologists might be members/office bearers in their individual capacities or in which professional bodies/learned societies of India might be members. Such conferences might also be hosted in India by the autonomous research institutions/Universities and other academic organisations or by registered professional societies, science academies etc.
 - c) For the purpose of these guidelines, large international conferences are to be distinguished from small scientific 'discussion-meetings' where a few selected foreign scientists might be invited and where formalities such as payment of registration fee, membership etc. are generally not applicable.
- 2 All the international scientific/professional organisations referred to in (a) and (b) above are non-governmental bodies. Therefore, these guidelines do not apply to official meetings of inter-governmental bodies and conferences organised by them (e. g. U. N. bodies such as UNESCO etc.)
- 3 Scientific meetings organised under inter-Governmental bilateral agreements are not covered here.

II. ORGANISATIONAL ASPECTS:

In order to derive maximum benefits out of holding an international scientific conference, it will be necessary to undertake a good deal of advance planning by the sponsoring and hosting agency in India. In particular, holding of conferences involving participation of many hundreds of foreign scientists should be planned three to four years in advance. The following general principles are relevant for planning and organising such conferences:

- 1 In determining the size of an International conference, the number of foreign scientists and the corresponding number of Indian participation is an important criterion. There are conferences with very limited foreign participation, say 10 to 15 foreign scientists who may be special invitees, key note speakers etc. Other conferences involve participation of the order of 50 to 100 foreign scientists and those which have four to five times this number is also a special category to reckon with. Very few are mammoth conferences where a thousand or more foreign delegates might be involved. The size of conference is directly relevant for assessing the magnitude of tasks for its successful organisation. Based on the past experience and informal discussion, the organisers should initially make a realistic estimate of the size of the conference before the process and organization starts.
- 2 A professional body or a science academy or similar agency/academic organisation should be identified at the outset as the host institution in India. This identified host institution will have all the organisational responsibilities for the conduct of the conference.
- 3 There shall be a National Organising Committee (NOC) for each large International Conference. The NOC should consist of eminent scientists and research workers in the subject area and such others as may be useful. In respect of ICSU related conferences, NOC will be set up by the INSA who will also provide the secretarial support. The INSA will closely co-ordinate with the Department of Science and Technology before inviting to host a conference in India.
- 4 The NOC should take the total responsibility involving technical, financial and administrative matters concerned with the holding of the conference in India. Secretarial support to NOC shall be provided by the sponsoring/host organisation in India.
- 5 Outstanding Indian Scientists who may take individual initiative to organise such conferences will also need the organisation backing of a Science Academy or institution. Private individuals and associations are not to be normally encouraged to organise, on their own, prestigious and large international conferences.
- 6 The tendency to convene frequent international conference in the same subject is (as should be) discouraged since organising such conference is a time, money and effort consuming activity. Moreover, the expenditure and effort on frequent holding of conferences in the same subject are not (may not be) commensurate with the benefits.
- 7 The sponsoring and/or the host organisation in India should, at the very outset, arrange to identify a nodal Ministry/Department of the Central Government for all matters requiring specific Government

approval, permission or clearance relating to the hosting of the conference. Other such matters may range from booking of Government buildings, clearances of foreign participants, security and sensitivity aspects to financial support through Government agencies. It will be the responsibility of the nodal Ministry to ensure that all the instructions issued by the Government of India from time to time relating to the holding of international conferences are complied with by the organisers in India.

- 8 International scientific conferences are often also cosponsored by a number of national and international scientific bodies who have an interest in the subject area and in participating in the conference. Often the Indian organisers also approach national and international bodies with request for co-sponsorship either for securing more broad-based participation of scientists or for financial and logistic support for the conduct of the conferences. While co-sponsorship by many Indian scientific bodies is desirable and welcome, request for co-sponsorship by international non-Governmental scientific bodies should be carefully considered in the light of any obligations on the Indian organisers resulting from such co-sponsorship (e. g. in terms of inviting scientists from a particular country or organisation). In this regard, request for co-sponsorship by ICSU or any of its component Unions and Committees or Commissions should be routed only through the INSA being the ICSU adhering organisation from India.
- 9 No commitment should be entered into with international bodies by Indian organisers which would result in embarrassment to India in respect of any matter relating to the conduct of the conference. Sponsorship or co-sponsorship of a conference by inter-governmental bodies (e.g. UNESCO, WHO, UNDP etc.) might be sought or entertained only through the Government of India in the nodal Ministry/ Department who will consult other wings of the Government as appropriate.

III STRUCTURE OF INTERNATIONAL SCIENTIFIC CONFERENCES

In structuring the international conferences, apart from the technical and other requirements of the specific area, the following broad principles should be kept in mind:

- a) Participation by young Indian scientists should be encouraged and supported by the organisers to the maximum possible extent through travel grants, free boarding, concessional registration fee etc.
- b) Fair representation must be given to well qualified Indian scientists as invited speakers (review speakers, rapporteurs) and chair persons.
- c) The greatest benefits usually accrue from smaller conferences involving 200 or less participants where closer interactions and

exchange of views and in depth discussions would be possible. Large conferences involving many hundreds of scientists and large budgets are of use only if the scope of the subject and its application covers a broad range of areas each having its own specialisation so as to ensure the scientific and technical character of the discussions in different committees/commissions etc.

- d) The scientific utility of a conference will be largely lost if the proceedings are not brought out promptly within a reasonable time. In this respect the record of our scientific community is quite good and every effort should be made to keep up this tradition. The NOC should have a special responsibility to ensure that wherever necessary, adequate arrangements are made to bring out the proceedings without delay.
- e) It is very seldom that in a purely scientific conference, politically sensitive or policy-sensitive matters come up. However, if such situations are anticipated/envisaged in exceptional cases, the Chairman of the National Organising Committee should obtain, well in advance, proper briefing from the Government of India through the nodal Ministry/Department for appropriate action.

IV FINANCIAL ASPECTS

Holding of international conferences involve considerable expenditure. The National Organising Committee should take full responsibility for preparing a realistic budget for the conference and arrange the sources of funds for meeting the expenditure. The budget should be prepared in detail with due regard to economy in expenditure. The past traditions of the conference, involving financial commitment by the host country, should be carefully looked into. The budget should also take into account registration fee which may be fixed keeping in view the ability of individual Indian Scientists to pay. If large funds are required from Government sources, an assurance of providing financial support to the extent required should be obtained from the concerned Government agency before any commitment is entered into for hosting the conference. The financial instructions issued by the Government of India in this regard will be applied by the nodal Ministry/Department concerned. Unspent balances out of grants given by Government agencies for holding the conferences should be returned to the agency concerned.

V INFORMATION DISSEMINATION

Since a number of professional bodies, Academies Universities etc. organise international conferences in different subjects, there is very often an overlapping in terms of the time and venue. This puts some strain not only on the resources but also on the scientists wanting to participate in these conferences in terms of time and preparation for

effective participation. It is therefore desirable that a mechanism for disseminating information on the various conferences is planned by different professional bodies for the period of two or three years in advance should be gradually evolved. In order to facilitate this, it would be helpful if various organisers in India could send the details of such planned scientific conferences to the Department of Science & Technology.

A check list of main points for facilitating implementation of these guidelines is enclosed (Annexure). For further details/clarifications please write to:

Director,
Science & Technology Promotion Division,
Department of Science & Technology,
Technology Bhavan,
New Mehrauli Road,
New Delhi-110 016

Annexure

CHECK-LIST OF MAIN POINTS FOR ORGANISING INTERNATIONAL SCIENTIFIC CONFERENCES IN INDIA

- 1 Has a Science Academy/Professional Body/Research Institution/ University or similar organisation in India been identified as the main sponsoring/hosting agency for the conference? Has this body been provided with a fair amount of information (subject of the conference list of possible speakers/invitees, size of the conference, its justification in India context etc)?
- 2 Has a National Organising Committee (NOC) been set up with over all responsibility for the conduct of the conference?
- 3 If the conference is to be sponsored or co-sponsored by International Council of Scientific Unions (ICSU) or any of its Component Unions and Committees, is it arranged?
- 4 Has the nodal Ministry/Department of the Central Government been informed of the details of the proposed conference and the arrangements requiring Government approval [or clearance before entering into commitments (i. e. for financial support/participation of foreign scientist etc.)?
- 5 Have arrangements been made to provide secretarial support to NOC by the sponsoring/host agency?
- 6 Have the broad guidelines issued by DST been taken into account in finalising the structure and logistics of the conference with the approval of NOC?
- 7 Has the detailed estimate of expenditure been prepared and source of funds committed before issuing first information circulars?
- 8 Does any other scientific or other large conference in India clash or overlap with your proposed conference in respect of dates, venue and subject area?
- 9 Have adequate arrangements been made for prompt and timely printing and publication of the proceedings as also pre-conference material, if needed?

PROPOSAL FOR SUPPORT FACILITY*

- 1 Nature of support facility
 - a) Computation facility
 - b) Facility for precise and accurate measurements

* 15 copies should be sent.

- c) Cryogenic facility
- d) Facility for material science studies
- e) Facility for photovoltaic technology

2 Details of the suggested facility

- a) Research work to be carried out
- b) Infrastructure available
- c) Proposed organisational structure
- d) Research programmes of Scientists from other institutions interested in using the facility

3 Self assessment

This statement should reflect your specific competence for undertaking the programme. Also give reasons why do you consider your institution to be an appropriate place for this activity.

Date:

Name & complete postal address with designation:

b) State Committee on Science, Technology & Environment, Government of Kerala, Secretariat, Trivandrum

- * Provides assistance to scientists/group of scientists/scientific institutions for scientific work relevant to the State in the economic and industrial development
- * Provides grants as Post-doctoral Fellowships, travel grants for attending International symposia/conference etc.
- * Provides grants for conducting seminars/workshops etc. Areas of research support: All fields of Science & Technology.

Applications for grants shall be made before 30th April every year in the prescribed form available from the office of the State Committee.

CONTACT

Chairman
 Kerala State Committee for Science & Technology
 Planning and Economic Affairs Department
 Secretariat, Trivandrum-695 001
 (Proforma for grants appended)

GOVERNMENT OF KERALA
DEPARTMENT OF PLANNING ECONOMIC AFFAIRS
THE SCIENTIFIC RESEARCH FUND
APPLICATION FOR GRANT FOR RESEARCH SCHEMES

(To be submitted in 5 copies)

- 1 a) Title of the research proposal
(copy of the details of the proposed project to be enclosed)
- b) Broad area field of classification
- 2 Precise objective of the project
 - a) its relevance if any, to the utilisation and management of the natural resources of the State
- 3 Name of the Laboratory or Organisation which will give facilities to carry on work relating to the project
- 4 Duration of the project
- 5 Technical programme
- 6 Name of the Investigator (s) in charge
 - a) Present address
 - b) Permanent address
 - c) Date of birth
- 7 Qualification and experience of the persons under whom the project will be carried out (attach additional sheet if needed)
 - i) Details of qualifications
 - ii) Details of experience
 - a) Teaching
 - b) Research
 - iii) Paper published, if any (enclose reprints which will be returned)
- 8 Particulars of staff required
- 9 Particulars of equipment required
- 10 Particulars of any other facilities required
- 11 Particulars of the facilities that will be provided by the institution where this project will be implemented.
- 12 Whether the scheme was submitted to any other organisation for financial support? If so, the names of the institutions and their decisions may be indicated.

- 13 Whether you are at present receiving any support from any organisation other than your present department and if so, full particulars of these may be given.
- 14 Estimated expenditure during each financial year covered by the duration of the project, separately on
- a) Establishment
 - i) Pay and allowances
 - ii) Travelling
 - b) Equipment
Cost including sales-tax
 - c) Consumable stores
Glassware
Chemicals
 - d) Research literature

Signature:
Designation:
Address:

ENDORSEMENT

Certified that basic facilities for undertaking the proposed project are available at our institution and the same will be extended to the Investigator, and such other administrative facilities as per the terms and conditions of the grant.

Place:
Date:

Signature of the
Head of Institution:
Name & Designation.

4 DEPARTMENT OF ENVIRONMENT (DoEn)

DoEn promotes on subjects related to environment and building up of facilities and infrastructure in the country.

The Indian National Man & Biosphere Committee (MAB) and the Environment Research Committee (ERC) select suitable projects.

Scientists working in Universities/Institutions can submit projects. The National MAB programme has accepted specific project areas (Thrust areas) relating to the effect of man's activities on the biosphere.

Proposals can be submitted in the prescribed format (copy appended) any time during the year.

Support available for:

- Salaries of research staff
- Equipment
- Consumables
- Computer time
- Travel
- Miscellaneous items.

a) Co-ordinated Research Projects in the Western Ghats Region —Scope of the Programme

The programme will address itself to promoting integrated research development, extension and educational activities relevant to the environmental problems of the Western Ghats. There will be no fixed proportion of the funds allocated to each of the component activities, rather each programme will be judged on its merit. The programme will not be restricted to the Universities of the regions alone, but funding will also be available for other scientific institutions and non-governmental voluntary agencies in accordance with the norms of the Department of Environment.

The Universities and other organizations will be particularly encouraged to set up interdisciplinary teams and inter-institutional collaborations. The programme should aim at catalysing action projects. As such, it would be expected that the research programmes are co-ordinated with developmental activities of the Governments and their agencies. It would be most fruitful to involve the local population as well.

Thrust areas

- * Exhaustive studies of meteorological, hydrological, soil and land use parameters in the river basins/tributary systems and subsystems.

- * Studies of more extensive river basins with a focus on environmental implications of development of water resources for Agriculture, power production, etc. The impact on fisheries, including the marine fisheries deserve greater attention.
- * Studies on air and water quality in primeval habitats as well as comparative studies in habitats affected by human habitation and industry.
- * Environmental and socio-economic problems associated with large scale displacement and rehabilitation related to development projects such as river valley projects.
- * Studies of the environmental and socio-economic impact of various kinds of industries, especially in terms of chemical pollution as well as depletion of their resource based and the implication of these for the human populations.
- * Studies of the impact of mining on the ecosystem in terms of destruction of natural vegetation, effect on surrounding cultivation, siltation of water courses, pollution etc. and the implications of these for the human populations.
- * Studies of the interaction of man and forests in terms of competing uses for land, demand for rural and urban fuelwood requirements, resources for forest based industries, and fire and grazing by livestock. Dependence of rural populations on forests for subsistence and employment.
- * Research on suitable species and methods of propagation for the revegetation of lands degraded due to human over exploitation of vegetation, overgrazing, surface mining, etc. and development of propagation techniques for such plant material.
- * Conservation of biological diversity of living organisms of the Western Ghats, including economic plants and wild relatives of cultivated plants and domesticated animals. Identification of key localities for conservation.
- * Ecological study on grasslands.
- * Land use in relation to land capability studies.
- * Study of legislative and administrative aspects.
- * Dependence of tribals on biological diversity and impact of environmental changes on their life pattern and needs to food, fodder, fuel and shelter.

(b) Extension and Education

The extension and education activities could concentrate on:

1. Surveys of Environmental Resources and Problems

The Universities and their constituent colleges as well as other organizations will be encouraged to take up detailed surveys of the environmental systems and location specific problems in selected areas of the Western Ghats tract easily accessible to the concerned agency. It

may perhaps cover an area of a few hundred square kilo meters. In such a region, the students can carry out specific studies of environmental problems such as:

- * Environmentally degradative land use.
- * Erosion of top soil
- * Water logging and salination
- * Mining and deposition of mine tailings
- * Siltation of water courses and reservoirs
- * Air and water pollution
- * Spread of weeds like *Parthenium*, *Chromolaena (Eupatorium)* and water hyacinth
- * Status of natural plant and animal life
- * Contamination of drinking water sources
- * Climatological studies

Such surveys should be a very worthwhile learning experience for the students. The programme should base itself on the careful selection of students who are genuinely interested. To ensure that these programmes become instruments of learning they must be given academic recognition and credit. While we do not expect such surveys to lead to definite research, they could produce valuable information at least at the qualitative level.

2. *Restoration of Degraded Environment*

The Universities, colleges or other organisations may take up specific areas for environmental restoration. Such areas should be limited in extent perhaps no more than few hundred hectares. These may be taken up for a well planned programme of restoration including components such as soil and water conservation, protection against overgrazing and over exploitation of the vegetation, eradication of weeds, replanting, etc. The efforts should be sustainable on a long term basis and the programme should have a component of proper monitoring of its performance. Care should be taken to elicit the co-operation of the concerned Government agencies and local population. In fact the project may itself be formulated and run by another voluntary organization. Again, the students participating in such a programme should be carefully selected and should receive due academic recognition and credit.

3. *Setting up of nurseries*

The availability of appropriate plant material is an important pre-requisite to the success of many eco-development programmes. It would, therefore, be very useful for Universities, colleges or other institutions to go in for the development of nurseries. Such a programme should however, be linked to some identified programme of restoration of degraded environments so that the effort put in should be primarily productive. The whole programme should be carefully monitored to generate new scientific information on the suitability of species. Again the programme should receive due academic credit.

4. Environmental Education and Awareness

Audio-visual aids, popular publications on subject of topical interest and campaigns through mass media and demonstration projects involving students and local population will serve useful purpose of promoting environmental education and awareness.

The thrust of the extension and education activities should be on limited and well planned programmes whose performance is carefully monitored. Care should be taken to avoid frittering away of effort on ill planned activities with no follow-up action. The scientific monitoring of these programmes would also have real educational value.

Submission of projects

The projects should be forwarded before December 15 to be considered for the year.

The prescribed format should be used.

CONTACT

The Secretary
Department of Environment
"Bikaner House"
Shajahan Road
New Delhi 110 001
(Proforma for grants appended)

APPLICATION FOR GRANT FOR PROJECTS UNDER THE MAB RESEARCH/W. G. ECODEVELOPMENT PROGRAMME*

(To be completed by the Principal Investigator)

- 1 Title of the Project :
- a) Priority area to which it relates :
- 2 Name and Designation of the
Investigator(s) :
- 3 Postal address of the Investigator(s) :
- 4 Name of the Institution/
organization in which the project
will be carried out :
- 5 Names of other institution(s)/
organization(s) involved in the
project :
- 6 a) Time required for comm-
encement of the project on
receipt of approval :
- b) Duration of project :
- 7 Total amount of assistance required
(First year)
(Second year)
(Third year)

Total

* 30 typed copies of the application are required to be submitted to the Environment Research Committee/MAB Committee.

8 Following documents are enclosed:-

- i) **Statement I—An Abstract, not exceeding one page and submitted separately, describing the background, objectives, methodology and figures of yearwise budget.**
- ii) **Statement II — Giving detailed project proposal which should include state-of-the-art of the subject giving background of the work already done in this area in India (or elsewhere), and defining clearly the objectives and methodology and year-wise phasing of the project. A PERT chart showing the major phases of the project must be included.**
- iii) **Statement III — Giving brief background of the Investigator(s) who will carry out the project.**
- iv) **Statement IV — Indicating facilities available at the institutions/ organization for carrying out the project.**
- v) **Statement V — Project Budget in the prescribed format.**

I/We have carefully read the terms and conditions of ERC/MAB research grants and agree to abide by them.

Signature of the investigator (s)
Signature of the
Head of Department
Date
Place

ENDORSEMENT

Certified that the basic facilities needed for undertaking the proposed project are available at our Institution/organization and these will be extended to the Investigator (s) together with such other administrative facilities required by the terms and conditions of the grant.

Signature of the Head
of the Institution
Organization
Name & Designation
Date
Place

Appendix to the application for grant of research projects under the MAB Research/Western Ghats Eco-development Programme

PROJECT BUDGET

A. * Salaries and Wages	Ist yr.	IIInd yr.	IIIrd yr.	Total
1 Investigator
2 Research Associate
3 Supporting technical staff or other personnel				
if any
Grand Total

* Please specify the rate of salary and wages per month for each category.

B. ** Permanent equipment	.....	.....	.....	.....
Grand Total	.....	.....	.....	.....

** Please specify various individual items of equipment.

C. * Expendable equipment and supplies:
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* Please specify items.

D. Travel
E. Other project costs, if any

F. Whether the same Investigator (s) are receiving fund from other agencies Yes/No

If yes.

Name of the Investigator

Title of the Project

Agency

Amount

5. DEPARTMENT OF ATOMIC ENERGY (DAE)

The DAE supports research programmes in Nuclear Science & Technology through the Board of Research in Nuclear Sciences (BRNS). Faculty and research workers in Universities and other such research institutions can submit proposals.

The main areas include:

- Basic aspects of Biology and Medical Science with emphasis on application of nuclear techniques
- Agricultural, Veterinary and Food Sciences with emphasis on application of radiations and radio isotopes

A research scheme in the prescribed format should be sent so as to reach Scientific Secretary, BRNS by November 30.

Funds provided for:

- Research Fellows/Associates
- Equipment
- Computer charges
- Radio isotopes, chemicals & other consumables
- Contingencies
- Overhead expenditure
(Airconditioner, furniture, typewriter, etc. not allowed)
- Block Assistance for larger research programmes undertaken by established groups
- Fellowships
- Support for symposia, seminars, workshops

CONTACT

The Scientific Secretary, BRNS
Director's office
7th Floor Central Complex
BARC, Trombay
Bombay 400 085.
(Proforma for grants appended)

BRNS FORM A
(For New Projects)

GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY
BOARD OF RESEARCH IN NUCLEAR SCIENCES
APPLICATION FOR GRANT-IN-AID FOR RESEARCH SCHEME

(Please use quarter size paper only and send 40 copies to Scientific Secretary, BRNS (Dr. Ashok Mohan, SO/SE, Metallurgy Division, BARC, Trombay, 400 085) so as to reach him by November 30. The envelope should be superscribed BRNS-Form A).

- 1 Name and address of the University/Institution :
- 2 Department where research is to be performed :
- 3 a) Name & address of the Registrar or equivalent officer :
 b) Telephone No. :
 c) Telegraphic address :
- 4 a) Title of the Project :
 b) Duration of the project :
 c) Linkage with R&D in Nuclear field :
- 5 Project personnel
 - a) Principal investigator :
 Academic degrees :
 Previous experience :
 Field of specialisation :
 Recent publications (within the last 5 years including earlier publications only if relevant to present proposal) :
 - b) Additional Scientific staff :
 Academic degrees :
 Previous scientific experience :
 - c) Other staff number :
 Type of staff :

H. If funds for travel/transportation or other costs have been included for funding by DAE, please give justification.

10 If the scheme requires longer than one year to complete, please give estimate of funds required.

Project year	Staff	Equip-ment	Consu-mables	Travel	Com-puter	Other costs	Pro-ject total	Requ-est from DAE
1st								
2nd								
3rd								
Total								

11 When can the University/Institution begin project

The terms and conditions of the grant-in-aid are acceptable to us and all facilities of the institution will be available for the conduct of the research scheme.

Principal Investigator

Head of University/
Institution

6 COUNCIL FOR ADVANCEMENT OF RURAL TECHNOLOGY (CART)

The objectives of the Council are:

- * to act as the national model point for co-ordination of all efforts at development and dissemination of technology relevant for rural areas.
- * to act as a catalyst for development of technology appropriate for the rural areas.
- * to strengthen the existing institutions.
- * to act as a clearing house of information and as a data bank.
- * to disseminate knowledge on rural technology to manufacturers of machinery, tools, equipment etc.
- * to carryout research studies, surveys, evaluation, etc., on the use of appropriate technology.

Financial assistance are given for undertaking:

- * surveys
- * research and development of new technologies or refining and improvement of existing technologies.
- * transfer of technologies.
- * dissemination of scientific and technological information of relevance through brochures, booklets, films and other audio-visual aids.
- * establishment of organisational structures for better management and marketing facilities.
- * programme of enterpreunership development by application of science and technology.

Sponsoring agencies should send their application for financial assistance in the prescribed proforma, 30 copies to the Director General and 3 copies to the Chairman.

CONTACT

Director-General
Council for Advancement of Rural Technology
Guru Nanak Foundation Building
New Mehrauli Road
New Delhi-110 067.

OR

Chairman
Committee on Science, Technology & Environment
Govt. Secretariat
Trivandrum-695 001.
(Proforma for grants appended)

COUNCIL FOR ADVANCEMENT OF RURAL TECHNOLOGY

(Proforma for project proposal)

- 1 Title of the project :
- 2 Project synopsis :
- 3 Objectives and details of the project :
- 4 Plan of work :
- 5 Name of the sponsoring agency/Institution :
- 6 Name and address of Head of the Institution :
- 7 Details of the sponsoring agency/Institution :
- 8 Project approved and under implementation with financial grants from external agencies :
- 9 Name of the institution at which the project will be carried out :
- 10 Name, designation and address of the Principal Co-ordinator of the project :
- 11 Name, designation and address of the Principal Investigator :
- 11 Name of other Institutions involved in the project :
- 13 Duration of the project :
- 14 Staff requirements with justification :
- 15 Detailed estimate :
- 16 Abstract of project budget :
- 17 Bio-data of investigators :
- 18 Certificates :

Certified that

- 1 the scale of pay, allowances, etc. are those admissible to other employees of
- 2 there is no foreign exchange component
- 3 the project has not been submitted to any other Indian agency for financial support
- 4 this institute will provide the basic facilities for undertaking the proposed project to investigators.

Signature

Principal Co-ordinator

Head of the institution

Principal Investigator

7 UNIVERSITY GRANTS COMMISSION (UGC)

The UGC support for research is provided for:

Major Research Projects

- . A department as a whole, a small research group or individual teachers can submit proposals
 - . Pure and applied Sciences as well as Engineering and Technological subjects are supported
 - . Proposals may be sent twice an year so as to reach UGC by the end of April/September.
 - . Grants include
 - salaries for research, supporting & technical staff
 - scientific equipment
 - contingencies/field work/working expenses
 - information sources, off prints, etc.
- (Grants are not intended to meet the entire needs for building up a research project)

Major Research Projects for Individual Teacher's Research work

Teachers working in the Universities, Colleges and Institutions approved under the UGC can submit proposals

Research Fellowships, and Associateships

Research Fellowships, Research Associateships, Teacher Fellowship National Associateships, National Fellowships and Career Awards are provided for encouraging research in Universities.

CONTACT

The Secretary
University Grants Commission
Bahadur Shah Zafar Marg,
New Delhi 110 002

8 THE INDIAN NATIONAL SCIENCE ACADEMY (INSA)

The INSA funds projects in basic research in emerging areas of Science and also supports Young Scientists.

CONTACT

The Executive Secretary
Indian National Science Academy
Bahadur Shah Zafar Marg
New Delhi-110 012

9 DEPARTMENT OF OCEAN DEVELOPMENT (DOD)

The Marine Research & Development Fund (MRDF) promotes R & D Projects

Scientists working in Research Institutions and Universities can submit proposals.

Subjects considered for support include:

- physical & chemical oceanography
- marine biology
- marine geology
- marine geophysics
- ocean engineering
- marine ecology
- meteorology
- marine instrumentation etc.

Proposals in the prescribed form (available with the Secretary, DOD) can be submitted any time during the year.

Grant includes:

- Salaries of research staff
 - contingencies
 - equipment
- (Basic infrastructure, building, etc. not allowed)

CONTACT

The Secretary
Department of Ocean Development
Mahasagar Bhavan
CGO Complex
Lodi Road, New Delhi-110 003

10 DEPARTMENT OF NON-CONVENTIONAL ENERGY SOURCES (DNES)

The CASE (Commission for Additional Sources of Energy) supports research programmes in the areas of new and renewable sources of energy. Scientists/Group of Scientists from Universities can submit proposals.

Areas of research support include:

- solar thermal
- solar photo voltaic
- Wind
- biogas
- biogas production and conversion

Proposals in the prescribed form (available with the contact person) may be submitted any time during the year.

Grant includes:

- staff salaries
- equipment
- internal travel
- miscellaneous items

(Creation of basic infrastructure will not be supported)

CONTACT

The Secretary
Department of Non-Conventional Energy Sources
CGI Complex
Lodhi Road
New Delhi

11 DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (DDR D)

Under its Grants in-Aid Scheme, the DDRD supports R & D work on problems of scientific value and preferably of interest of Defence

Universities, IIT's, IISc and other higher technological centres can apply

Four copies of the project proposal in the prescribed form (available with the contact officer) may be sent any time during the year

Funds are given for:

- special equipment
- expendable materials
- salaries for research staff
- contingencies

(Building up of basic facilities, personal payments to members of regular staff of the Institution will not be allowed)

CONTACT

Director of Training & Sponsored Research
Defence H & D Organisation
Ministry of Defence
'B' Block, Sena Bhavan,
New Delhi-110011

12 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)

Research Schemes

Professors & other experts can submit proposals

Proposals of applied nature or falling under basic sciences which attempt to solve problems of relevance to the activities of the CSIR laboratories or in emerging areas and interdisciplinary areas are considered for support.

The proposals in the prescribed format (available with the contact officer) can be submitted any time during the year.

Fellowships, contingencies and equipment are provided

Research Associates may be sanctioned for major schemes or in case adequate justification is provided.

Research Fellowships/Associateships

Applications are invited through an All India advertisement annually.

Emeritus Scientists Grants

Financial assistance is provided to superannuated outstanding scientists to pursue research in their fields of specialisation which are also of relevance to the programmes and activities of the CSIR.

Other S & T promotion programmes

Financial grant will be provided for:

- organisation of seminars/symposia on subjects which fall within the scope of R & D activities of the CSIR
- holding pre-conference sessions/workshops for young scientists/research scholars with reference to major scientific conference in emerging and thrust areas of Science & Technology from 1985-86 onwards.
- travel grants to young scientists not employed on a regular basis for attending international conferences, training courses, etc. abroad.
- preparation of state-of-art report through subject field specialists in different emerging areas and specialised disciplines in science, engineering and technology
- providing financial grant to journals in various regional languages dedicated to the task of popularisation of science.

CONTACT

Advisor

Extra-Mural Research

Council of Scientific & Industrial Research (CSIR)

Rafi Marg

New Delhi-110 001

13 DEPARTMENT OF ELECTRONICS (DOE)

a) Technology Development Council (TDC)

The council funds technology development programmes for the speedy and balanced growth of the electronics industry in India

Universities, other academic institutions, IITs, Research Institutes/Laboratories can submit proposals.

Areas of research support

Programmes in the field of Electronics with regard to research, development and industrial operation.

Components of grant:

- staff salaries
- capital equipment
- consumables
- travel
- over head
- contingencies etc.

(Generally infrastructural facilities are not allowed).

The proposal (15 copies) in the prescribed form (available with the contact officer) may be sent any time during the year.

CONTACT

The Member Secretary
Technology Development Council
Electronics Commission (IPAG)
E-Wing, Pushpa Bhavan
Madangir Road
New Delhi 110 062

b) National Radar Council (NRC)

The Council supports technology development projects in the areas of:

- radars
- sonars
- navigational aids
- underwater electronic equipment
- marine electronics
- infra-red and laser based systems and allied techniques and technologies.

CONTACT

The Member Secretary
National Radar Council
Department of Electronics
Lok Nayak Bhavan
New Delhi-110 003

14 INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)

The Council supports for research in the country in the fields of medicine, public health and allied areas.

Any Scientist working in a Medical College, Research Institute or a University can submit proposals.

Priority areas identified:

- communicable diseases
- reproductive biology & fertility control
- nutritional and major metabolic disorders
- primary health care, alternative health care systems
- noncommunicable diseases such as mental disorders, cancer, cardiovascular disorders, ophthalmic disorders, oral health etc,
- occupational and other environment health problems
- drug research including traditional systems of medicines
- basic medical science (eg anatomy, physiology, pharmacology, immunology, molecular biology, genetics etc.).

The proposal falling under adhoc research schemes or the fellowship programmes of the Council are received through-out the year on the prescribed format which may be obtained from the contact officer.

CONTACT

The Director General
Indian Council of Medical Research
Ansari Nagar
Post Box No. 4508
New Delhi-110 029

15 INDIAN SPACE RESEARCH ORGANISATION (ISRO)

Objectives:

- to encourage quality research in fields considered relevant to the country's space programme viz., space science, space technology and space application.

Individuals or group (s) of scientists, engineers, members of the teaching staff and research workers belonging to

- i) Recognised academic institutions
 - ii) Recognised Universities
 - iii) Research Organisations
- can submit proposals in the prescribed format which may be obtained from the contact officer of ISRO.

Priority areas identified:

a) *Space Sciences:*

- physics of the ionosphere
- magnetosphere
- meteorology and dynamics of the atmosphere
- geophysics and geology
- astronomy and astrophysics
- planetary physics and interplanetary space

b) *Space Technology:*

- rocket and satellite technology
- propulsion systems design and optimisation
- aerodynamics
- heat transfer related to space vehicles and space craft
- polymer chemistry and propellant technology
- ultra light weight structures
- space electronics and communication systems
- orbital mechanics and the computer sciences.

c) *Space applications:*

- remote sensing of the earth's resources
- space communications
- satellite geodesy and meteorology including weather forecasting

CONTACT

Scientific Secretary
ISRO-Headquarters
F-Block, Cauvery Bhawan
District Office Road
Bangalore-560 009

Financial Assistance for Training Programmes/ participation in International Conferences/Seminars/ Workshops etc.

Besides the funding for Research proposals, financial assistance is also given for training programmes/participation on international conferences/seminars etc. for young scientists. The following are some of the agencies:

1. SCIENCE & ENGINEERING RESEARCH COUNCIL (SERC)

A training course is expected to be of two to four weeks duration specifically aimed at exposing about 25 carefully selected young scientists (between 22-35 years of age) to the techniques and methodologies of research in the new area. This course is conducted by a faculty composed of Indian scientists. Support to this activity includes funds for running the course including travel and other expenses of the selected young scientists, grant for additional equipment and other facilities considered essential for the course. Successful training courses are planned for three consecutive years.

Proposals (15 copies) may be sent using the prescribed proforma

CONTACT

The Advisor,
Science & Technology Promotion Division
Department of Science & Technology
Technology Bhawan, New Mehrauli Road
New Delhi-110 016

(Proforma appended)

PROPOSAL FOR TRAINING PROGRAMME

1. Major area
2. Sub-area
3. Special need for winter/summer school in the area (please comment on the status of expertise available in terms of quality and quantity)
4. Details of the winter summer school
 - a) content of the course and details of curriculum activities (eg. lab work, lectures, project work etc.)
 - b) scientists expected to provide the faculty
5. Self
(This statement should reflect your specific competence for undertaking the programme. Also give reasons why do you consider your institution to be an appropriate place for this activity.)

Date:

Name & complete postal address with
Designation

Appendix

PARTIAL FINANCIAL ASSISTANCE TO INDIAN SCIENTISTS GOING ABROAD FOR PARTICIPATION IN INTERNATIONAL CONFERENCE/ SEMINAR/SYMPIOSIUM IN SCIENCE & TECHNOLOGY

APPLICATION FORM

To

The Secretary,
Department of Science and Technology
Technology Bhavan, New Mehrauli Road,
New Delhi-110 016

To be forwarded through the Head of the Institution/University/
IIT etc. to which the applicant belongs:

1. Name in full
(in capital letters)
2. Address :
3. Name of the Institution/Organisation where employed and post held
4. Date of birth :
5. Bio-data (Please attach a sheet) :
6. Particulars of the International Congress/Conference (Conferences organised under auspices of the International Council of Scientific unions are NOT supported by DST. You may apply to Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi) :
 - a) Name of the Conference/Congress :
 - b) Venue (Place/Country) and Date :
 - c) Detailed technical programme (Sessions etc.) of the Conference/Congress :
7.
 - a) Whether invited to preside over a general session or an important committee of the Congress/Conference and if so, the detailed particulars thereof :
 - b) Whether invited to read a paper at any meeting which will lead to subsequent discussions on the paper, if so, the particulars thereof :

(Attach copy of invitation letter, a letter of acceptance of paper for oral presentation, abstract of paper and other important correspondence from the organisers of Congress/Conferences. Without these papers, the application is likely to be rejected)

8. Total expenditure estimated to be :
involved
a) Cost of return air fare by :
economy class/excursion fare

(Tickets must be purchased :
through Air India/Indian Air-
lines, even if they do not
operate in the particular sector)

- b) Cost of maintenance abroad
indicating the foreign exchange
if any, likely to be involved/
required.

- 9 Whether any part of the expenses
including hospitality will be borne
by the sponsors of the International
Conference/Congress/Symposium
etc., or from any other foreign
sources and if so, the detailed parti-
culars thereof (a copy of the clea-
rance of appropriate authorities for
accepting foreign hospitality/finan-
cial assistance may be enclosed)

- 10 Particulars of financial assistance
the applicant has received tow-
ards air fare (Such assistance is a
necessary condition for grant under
this scheme)

- i) from parent institution :
ii) from the organisers of Confe-
rence/Congress
iii) from other sources :

(Please attach copies of communication agreeing to the financial assistance as above. Without such assistance the application is likely to be rejected)

- 11 Whether you have applied to :
1) Ministry of Education :
2) Any other Government Agencies :
If yes, give details :

- 12 Amount of financial assistance required from the Department of Science and Technology for meeting partial cost of the return air passage only deducting the amount expected to be received from sources mentioned in item 10
- 13 The date on which the scientist proposes to leave India for the Conference/Congress and the likely date of return to India
- 14 Whether he/she previously got grant from the department of Science and Technology and if so, details thereof and date
- 15 Indicate clearly the benefit expected to be derived by attending the Conference/Congress in the field of research in which the scientist has engaged himself and how far his participation in the Conference/Congress will benefit the developments of the particular discipline of Science in India.

Signature:

Dated:

Designation:

Certificate by the Head of the Institution
(Must accompany the application)

The details given are correct and recommended and forwarded.

Signature:
(of Head of the Institute)

Date:

Designation:
Address:

2 DEPARTMENT OF EDUCATION (DE)

Partial financial assistance are given to young scientists going abroad.

CONTACT

The Secretary to the Govt. of India
Ministry of Education and Culture
Department of Education
T-1 Section, Shastri Bhawan,
C-Wing, Room No. 435
Dr. Rajendra Prasad Road,
New Delhi-110 001

Partial Financial Assistance to Indian Scientists going abroad

APPLICATION FORM

- 1 Name in full (in capital letters) :
- 2 Address :
- 3 Name of the University/Institution :
where employed and post held
- 4 Date of birth :
- 5 Details of academic qualifications :
and research experience
- 6 Particulars of purpose (s) for which :
the scientist proposes to go abroad,
indicating each country proposed to
be visited and purpose of the visit
- 7 If going abroad for attending an :
international Congress or Conference
 - a) Whether invited to preside :
over a general session or impor-
tant Committee meeting and
if so the particulars there of
 - b) Whether invited to read a paper :
at any meeting and to lead sub-
sequent discussions on the
paper. If so, particulars thereof.
(original invitation and other
relevant correspondence etc.,
received from the organisers/
sponsors to be enclosed)
- 8 Total expenditure estimated to be
involved on:-
 - a) Cost of Passage
(A certificate from Air India
showing actual cost of inter-
national return air fare by
economy class to be enclosed)

- b) Cost of maintenance abroad indicating the foreign exchange if any, likely to be required
- c) If no foreign exchange is required, how the scientist will maintain himself abroad
- 9 Whether any part of the expenses in Col. (8) will be borne by the sponsors of the international congress or conference etc., and if so, the particulars thereof
- 10 Whether any application has been made to the University Grants Commission, University or any other organisation for financial assistance and if so, the particulars thereof
- 11 Amount of financial assistance required from the Ministry of Education for meeting partial cost of passage only (deducting the amount expected to be received from other sources)
- 12 Date on which the scientist proposes to leave India
- 13 Whether he previously got a grant from the Ministry of Education and if so, details thereof
- 14 Whether the Institute in which you are employed has provision in their Budget for the same purpose If so, indicate the amount

NB:- Air passage is to be booked through Air India directly and not through any other travel agent.

Signature:

Date.

To The Secretary to the Government of India,
Ministry of Education and Culture
Department of Education
T-I Section, Shastri Bhavan,
C-Wing, Room No. 435
Dr. Rajendra Prasad Road,
New Delhi-110 001

3 UNIVERSITY GRANTS COMMISSION (UGC)

Travel grants to Teachers/Scientific and Technical officers for participation in the International conferences/Seminars/Symposia held abroad.

The UGC may meet 50 percent of admissible travel expenses, airport tax, maintenance and registration charges. The remaining 50 per cent expense are met by the University from its own fund, by the State Government, INSA, DST, UNDP, or from other sources recognised by the University.

CONTACT

Registrar,
University Grants Commission,
Bahadur Shah Zafar Marg,
New Delhi-110 002.

4 UNITED NATIONS EDUCATIONAL SCIENTIFIC CULTURAL ORGANISATION (UNESCO)

Committee on Sciences and Technology in Developing Countries (COSTED) assists young scientists from developing countries to participate in International conference, workshops and training programmes. The travel fellowship programmes are restricted to scientists below 35 years of age.

CONTACT

Scientific Secretary,
COSTED
Physics Department,
Indian Institute of Technology,
Madras-36

References

- 1 Research & Development Funding Schemes of Central Government Agencies: General Information. Department of Science & Technology, New Delhi, January, 1985.
- 2 Research Support for Thrust Area Programmes in Life Sciences. General Information. Government of India, Ministry of Science & Technology, Department of Science & Technology, New Mehrauli Road, New Delhi. July, 1985.
- 3 Research Support for Thrust Area programmes in Physical Sciences. General Information. Government of India, Ministry of Science & Technology, Department of Science & Technology, New Mehrauli Road, New Delhi. July, 1985.
- 4 Research Support for Thrust Area Programmes in Chemical Sciences General Information. Government of India, Ministry of Science & Technology, Department of Science & Technology, New Mehrauli Road, New Delhi. July, 1985.
- 5 Young Scientists Scheme for 1980-85. Review of Activities. Government of India, Ministry of Science & Technology, Department of Science & Technology, New Mehrauli Road, New Delhi.
- 6 Guide lines for Coordinated research projects in the Western Ghats region. Dept. of Env., Govt. of India, Bikaner House, New Delhi, 110 011.
- 7 Financial support for the R & D activities from the Central and State Agencies. General information State Committee on Science Technology & Environment, Government of Kerala,-1985.
- 8 ICSSR Research Grants 1985-Indian Council of Social Sciences Research, New Delhi.
- 9 Western Ghats Co-ordinated Research Project-Project Proposals Kerala Agricultural University, Vellanikkara-Dec. 1982.
- 10 General Guidelines for the formulation, processing, scrutiny, sanction, implementation and evaluation of Research Schemes to be financed by the Indian Council of Agricultural Research from its Agricultural Produce CESS Funds-ICAR-1983.

