



DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST)
(INTERNATIONAL DIVISION)

INDO-BULGARIAN BILATERAL SCIENTIFIC COOPERATION

CALL FOR PROPOSALS

General Information and Guidelines for Proposals

With a view to intensifying interaction and the scientific cooperation between Indian and Bulgarian Scientists/Institutions, Department of Science and Technology (DST) of India and the Ministry of Education and Science (MES) of Bulgaria extend support for joint research projects involving exchange of visits under the Indo-Bulgarian Bilateral Scientific Cooperation programme with special emphasis on further academic training and specialisation of scientists/scholars.

ELIGIBILITY / PROJECT PARTICIPANTS AND SUBJECT AREAS:

Faculty, Scientists and Academicians belonging to Universities, Deemed Universities and Research Institutes having permanent positions can apply as Principal Investigator (PI). In order to qualify for such funding, investigators are required to have a concrete and sound research proposal on any of the following areas:

- . Information Technology
- . Metal Sciences and New Materials
- . Nano-materials
- . High Energy Physics
- . Satellite Technology
- . Alternate Renewable Energy Sources, including Solar Energy
- . Geophysical Instrumentation and Earthquake Engineering including its forecasting
- . Food Technology
- . Biotechnology (including gene-biotechnology)
- . Medicine (especially, Traditional Medicines based on herbs)
- . Laser Science and Technology
- . Astronomy
- . Ocean Science and Technology

The following types of proposals shall NOT be considered:

- Already existing collaborative projects where travel and living expenses are financed by some other source;
- Purely individual visits / training programme;

FUNDING:

Grants will be offered towards travel and living costs, (normally upto 2 visits per year from each side) within the framework of well-defined and approved Indo-Bulgarian research projects. The sending side shall cover the expenses on international travel (including overseas medical insurance) up to the capital city/city of arrival in the host side both ways. The receiving side shall arrange the in-country travel of the visiting scientists from the capital city/city of arrival to the place of the institute to be visited by appropriate means and living expenses.

The local hospitality terms for visiting scientists in each others' host countries are as follows:

For Indian scientists: an allowance up to Leva 900 per month or Leva 36 per day (if the stay is for less than 21 days).

For Bulgarian scientists: an allowance of Rs.1,000/- per day in case of short term visit (up to 21 days) and Rs. 25,000/- per month in case of long term visit (more than 21 days) towards food and out of pocket allowances. The mutual visits of the scientists must be balanced in number (upto 6 visits from each side spread over entire duration of the 3 year project) and should in general, be only for a short duration of time. Each participant from either side would be allowed to avail only one visit per year of the project.

PROJECT DURATION:

Support to the project will be granted for a maximum duration of 3 years. The sanctioned visits (i.e. maximum 6 from each side) will have to be completed within the duration of the 3 years. Request for extension of the project shall NOT be considered.

APPLICATION PROCEDURE:

Joint research projects in the prescribed format, duly forwarded by the Head of the Institutions are to be submitted simultaneously by the Indian Project Leader to the Department of Science and Technology, New Delhi, and by the Bulgarian Project Leader to the Ministry of Education and Science, Bulgaria. Applications received by both the agencies with all necessary documents shall only be considered.

The last date for submission of applications is December 31, 2008. Applications received after last date will not be entertained.

The Bulgarian project leaders are required to submit the identical project document (5 copies) to MES in Bulgaria (Ms. Maria Nacheva, State Expert, Scientific Research Department, Ministry of Education and Science, 2A, Kniaz Dondukov Blvd., 1000 SOFIA. E-MAIL: m.nacheva@minedu.government.bg) and the Indian Project Leaders are required to send 5 copies of the complete application to: Dr. Jagdish Chander, Scientist - F, International Division (Room No 15, Admn. Block) Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi - 110 016, along with a softcopy (single file in ms-word or pdf format) as email attachment at Email: jchander@nic.in

INDO-BULGARIAN INTER-GOVERNMENTAL
PROGRAMME OF COOPERATION IN SCIENCE AND TECHNOLOGY
(Application Form for Joint Research Project)

A. PROJECT IDENTIFICATION

1. Title of the Project:
2. Duration of the Project:
3. Expected Date of Commencement :
4. Field of Science and Technology Covered by the Proposal :
(4 Keywords qualifying the scope of proposal)
5. Project Investigators (PIs) and Collaborating Institutions:

	INDIAN	BULGARIAN
Name of PI: Designation: Institution's Address Tel: Fax: E-mail: Date of Birth:		
Name of Co-PI Designation: Institution's Address: Tel: Fax: E-mail: Date of Birth:		

B. TECHNICAL INFORMATION

1. Objectives of the Project (up to 200 words):
2. Justification for collaboration and short information about national and international scenario in the proposed area of research (up to 200 words):
3. Short scientific and technical description of the project including methodology (up to 400 words):
4. Plan of Work:

Time Schedule	Indian Responsibilities	Bulgarian Responsibilities
First Year		
Second Year		
Third Year		

5. Number of Exchange Visits required for achieving the Project objectives (Year-wise):

Year	Indians to Bulgaria		Bulgarians to India	
	Number	Duration	Number	Duration
1 st Year				
2 nd Year				
3 rd Year				

6. Expected results of this cooperation (e.g. joint publications, patents etc.). Are any of the expected results likely to have commercial value? How do you propose to share them? (up to 100 words).

7. Curriculum Vitae of Indian and Bulgarian Investigators in prescribed format (Annexure – I) (the description should highlight the expertise of the PI(s) in the proposed field of work supported by citing relevant publications (to be appended in about 2 pages) .

C. ADMINISTRATIVE AND FINANCIAL INFORMATION (with justifications)

1. Project Cost:

Year	Equipment	Consumables	Contingency	Exchange Visits

2. Signatures of the Project Investigator (s) and Co-investigator(s)

Indian

Bulgarian

i)

i)

ii)

ii)

iii)

iii)

3. Declarations by the Heads of Collaborating Institutions:

It is certified that:

- i. The Institutions agree to participate in this Joint Research Project;
- ii. The Institutions shall provide infrastructure and necessary facilities for implementing the joint project;
- iii. The Institutions assume to undertake financial and other management responsibility for the part of project work to be carried out at their Institution; and
- iv. The back-up funding for manpower, consumables, etc. is available to this project.

Signature and Seal of the Head of Institutions

INDIAN

BULGARIAN

CURRICULUM VITAE

Name : <input type="text"/> (Surname, First Name, Middle Name)	
Date of Birth: <input type="text"/>	Birthplace: <input type="text"/> Whether belong to SC/ST: Y / N (valid for Indian participants)
Office Address: <input type="text"/> Phone: <input type="text"/> Fax: <input type="text"/> E-mail: <input type="text"/>	Home Address: <input type="text"/> Phone: <input type="text"/> Fax: <input type="text"/> E-mail: <input type="text"/>
Education (University / High School, Faculty / Department, Course, Year of Graduation) (from High School onwards) :	
Honours/Titles/Qualifications (Organization, Title, Year of Award) :	
Previous Experience (Organization, Position, Title, Dates) :	
Major Fields of Scientific Research (Keywords):	
Membership in Scientific and/or Professional Institutions, Bodies, and Organizations:	

Professional and Scientific Awards:

Foreign Languages (Level of Proficiency): **Indicate level of competence using scale from 1 to 5 (where 1 is poor and 5 is excellent)**

Language	Reading	Speaking	Writing

International Experience (Country, Institution, Duration, Year):

References:

- 1.
- 2.
- 3.

Principal Publications¹:

for the last five years

¹Continue on a separate sheet, if necessary .

INDO-BULGARIAN INTER-GOVERNMENTAL
PROGRAMME OF COOPERATION IN SCIENCE AND TECHNOLOGY
Application Form for the Exchange Visit(s)*

1. Title of the Project:
2. DST's Sanction Order No:
3. Name and position with full official address of the visiting scientist:
(Including his/her Phone, Fax, Email)

4. VISIT DETAILS:

- 4.1 (i) Period of visit : From _____ To _____
 (ii) Duration (in days) : _____
 (iii) Place(s) to be visited: _____

- 4.2 Whether any visit(s) have taken place previously under this project:
(if yes, please fill the following table in chronological order):

Period of visit		Name(s) of scientist(s)	Country
<u>From</u>	<u>To</u>		

- 4.3 Name, position and address of the host scientist (attach a copy of the invitation letter, only in case of Indian visits)

5. Brief status of the work achieved so far (in general terms):
6. Brief Work Plan and purpose of the proposed visit:

7. FINANCIAL STATUS (in Rs):

Sanctioned Amount	Amount Released	Expenditure Incurred	Balance

8. Whether you need further release of grant?
(if yes, please ensure whether you have submitted the visit report of each one mentioned in table 4.2 to DST along with the statement of accounts)

**Certified that the visiting scientist is presently working on the above mentioned project and is affiliated to the Institute/department/laboratory/University as.....f rom To

(**only for Indian participants)

Date:

Name & Signature of the Indian PI

Forwarded by

Head of the Department/Institute With Seal

*to be submitted by the PIs to their respective Government Organisations at the time of seeking approval for exchange visits .

INSTRUCTIONS FOR PROPOSAL PREPARATION

The Project description should contain clear statement of work to be done and should include sub - sections on introduction, objective, plan of work, experim ental methods, and specific activities to be undertaken by the Indian and Bulgarian collaborator(s), significance of expected outcome and its relation to present state of knowledge in the field. The project description should clearly bring out the need for collaboration and expected tangible gains for the two sides. The total project document (except CVs) should not exceed 10 pages.

- (i) The CV of all Indian and Bulgarian participants (each not more than 2 pages) of the project must be attached with the project proposal. The following information may be provided in the CV's:
- List of publications most closely related to the project proposal
 - Publications, including those accepted for publications
 - Patents, copyrights or software systems developed may be substituted for publications.
- (ii) Along with 5 copies of the project proposal, one copy each of the following documents is also required:
- In case of proposal involving Recombinant DNA work, a certificate from the Institutional Bio-safety committee.
 - In case of proposal involving research with human subjects, a certificate from the Institutional Ethical Committee.
 - In case of any biological material transfer envisaged cleara nces from appropriate agencies of government.
 - In case of proposal involving IPR related issues, a copy of the agreement signed between the two PI's for sharing the IPR.
 - In case of proposals from CSIR/ICMR/ICAR labs or proposals relating to Atomic/Nuclear research or other related sensitive areas, security sensitivity clearance from respective Secretary/DG of the concerned Administrative Department.
 - One copy of all papers cited in the CV-Form

Advance copies of the proposals shall NOT be accepted .

THE PROPOSAL NOT CONFORMING TO THE GUIDELINES OR INCOMPLETE IN ANY RESPECT IS LIABLE TO BE REJECTED IN INITIAL SCREENING ITSELF.