

**DEPARTMENT OF SCIENCE & TECHNOLOGY (DST)
and
RESEARCH COUNCIL OF NORWAY (RCN)**

CALL FOR PROPOSALS (2010)

Last date for proposals to be submitted in India : May 31, 2010

Under the Agreement of Cooperation in Science & Technology concluded between Government of India and the Government of Norway, the Department of Science and Technology (DST) of the Government of India and the Research Council of Norway (RCN) have started a programme for joint funding of Indian-Norwegian joint research projects in mutually agreed fields to achieve world-class scientific results. Norwegian funding is part of the RCN **INDNOR** research programme.

DST and RCN invite Indian and Norwegian scientists / researchers to submit proposals for cooperative research projects in the research field described below. The proposed collaboration should build on and strengthen already on-going research activities in each research group and contribute significant added value to these. Allocations will be based on scientific quality.

RESEARCH AREAS COVERED

Initially the following broad areas are covered in the Programme :

- Climate research including CCS (carbon capture and storage)
- Renewable energy including solar energy
- Geotechnology and early warning systems for geohazards;
- Nano-science/ technology related to renewable energy

KIND OF FINANCIAL SUPPORT AVAILABLE

Support is available for cooperative research projects including project related visits of Indian and Norwegian researchers to the counterpart country. The cooperative research period shall be 3 years. As the main objective of the Programme is to promote collaboration between Indian and Norwegian scientists, funding will preliminary be for exchange visits of scientists. To facilitate the objective of the Project, incremental funding towards of up to 2 research personnel (at doctorate/ post-doctorate level), consumables, project related workshop/ discussion meeting and contingencies may also be supported based on the funding agencies (DST/RCN) assessment of the proposals.

PROPOSAL SUBMISSION

Indian and Norwegian applicants shall submit applications in English to DST (by 31st May 2010) and RCN (by 21st April 2010), respectively.

For Indian applicants the Application forms and Guidelines may be downloaded from www.stic-dst.org or www.dst.gov.in and one original plus four hard copies (by post through proper channels) and one soft copy (through e mail and CD) are required to be submitted to:

For Norwegian applicants, the joint Indo-Norwegian application shall be submitted to RCN via the RCN electronic application system (cf www.rcn.no for guidelines).

Contact Persons

For India : Dr. Rajiv Sharma, Scientist ~~Gq~~/ Adviser, International Cooperation, Department of Science and Technology (DST), Ministry of Science and Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110016 (rajivdst@nic.in)

For Norway : Dr. Hans M Borchgrevink, Special Adviser, International staff, The Research Council of Norway (RCN), P.O. Box 2700 St.Hanshaugen, N-0131 Oslo Norway, (hmb@rcn.no)

Last date for proposals to be submitted in India : May31, 2010

9. Other Researchers in Indian Research Team

- 9.1 Name : _____ Date of Birth : _____
Designation : _____
Organization : _____
Division/ Department _____
Telephone No. : (Office) _____ (Residence) _____
Fax No. _____ E-Mail _____
- 9.2 Name : _____ Date of Birth : _____
Designation : _____
Organization : _____
Division/ Department _____
Telephone No. : (Office) _____ (Residence) _____
Fax No. _____ E-Mail _____
- 9.3 Name : _____ Date of Birth :: _____
Designation : _____
Organization : _____
Division/ Department _____
Telephone No. : (Office) _____ (Residence) _____
Fax No. _____ E-Mail _____
- 9.4 Name : _____ Date of Birth : _____
Designation : _____
Organization : _____
Division/ Department _____
Telephone No. : (Office) _____ (Residence) _____
Fax No. _____ E-Mail _____
- 9.5 Name : _____ Date of Birth : _____
Designation : _____
Organization : _____
Division/ Department _____
Telephone No. : (Office) _____ (Residence) _____
Fax No. _____ E-Mail _____

10. Other Researchers in Norwegian Research Team

10.1 Name :

Designation :

Organization :

Division/ Department

Telephone No. : (Office) (Residence)

Fax No. E-Mail

10.2 Name :

Designation :

Organization :

Division/ Department

Telephone No. : (Office) (Residence)

Fax No. E-Mail

10.3 Name :

Designation :

Organization :

Division/ Department

Telephone No. : (Office) (Residence)

Fax No. E-Mail

10.4 Name :

Designation :

Organization :

Division/ Department

Telephone No. : (Office) (Residence)

Fax No. E-Mail

10.5 Name :

Designation :

Organization :

Division/ Department

Telephone No. : (Office) (Residence)

Fax No. E-Mail

B. TECHNICAL INFORMATION

1. Joint Abstract of the Project (no more than one page)
2. Justification for collaboration
3. Added value to be generated / 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 intellectual property rights?
4. Research plan, (no more than 8 pages, including a clear description of the planned research and research collaboration, Year-wise and country-wise distribution of work and methods of implementation.
5. Number of exchange visits required to achieve the project objectives (Year wise)

	INDIA TO NORWAY		NORWAY TO INDIA	
	Number of persons x visits	Duration for each person's visit	Number of persons x visits	Duration for each person's visit
1 st Year				
2 nd Year				
3 rd Year				

6. Brief Bio-data of Indian and Norwegian investigators to be attached as annexures.
(Bio-data should highlight the expertise of PI(s) and other members of the project team in the proposed field of work supported by citing relevant publications only. (To be appended in about 2 pages).

C. Proposed Project Budget from the Indian Side and its justification

1. Summary of Budget Estimates (in Rupees)

	Item	1st Year	2nd Year	3rd Year	Total
1.	Salaries/wages				
2.	Consumables				
3.	Exchange Visits				
4.	Project Workshop				
5.	Other expenditure items *				
	Total				

* Please specify each item if required.

- 2.1 Details of Budget proposed for Salaries/ Wages(in Rupees)

Designation & number of persons	Monthly Emoluments	1st Year / (m.m.*)	2nd Year / (m.m.)	3rd Year / (m.m.)	Total / (m.m.)
JRF/SRF/RA					
JRF/SRF/RA					
Total					

*m.m.: man months to be given within brackets before the budget amount

- 2.2. Justification for the manpower requirement.

3.1. Details of Budget proposed for Consumable Materials budget (in Rupees)

S.No.	Item	1st Year	2nd Year	3rd Year	Total
	Total				

3.2 Justification for consumable

4.1 Details of Budget proposed for exchange visits and estimated expenditure:

	1st Year	2nd Year	3rd Year	Total
India . Norway				
Number of persons x visits				
Expenditure on Airfare, visa, transport and related expenditure in India				
Norway . India				
Number of visits and person x days for each visit				
Expenditure on Hospitality (per diem @ 1000 per day + accommodation + local transport)				
Total budget				

4.2 Justification for travel .

5.1 Details of Budget proposed for Contingencies/ other costs Budget (in Rupees)

	1st Year	2nd Year	3rd Year	Total

5.2. Justification for specific costs/ contingences

6. Details of any other item of budget proposed and its justification

7. List of facilities being extended by parent institution(s) for the project implementation.

C. Proposed Project Budget from the Norwegian Side and its justification

D. SIGNATURES OF THE INDIAN AND NORWEGIAN PRINCIPAL INVESTIGATORS

INDIAN

NORWEGIAN

E. DECLARATION FROM THE HEADS OF THE 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 responsibilities for the part of the project work to be carried out at their institution; and
- (iv) The back-up funding for human resources, consumable, etc. is available to this project.

SIGNATURE & SEAL OF THE HEAD OF THE INSTITUTIONS

INDIAN

NORWEGIAN