

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE & TECHNOLOGY**

**INDIA-IRELAND COOPERATIVE SCIENCE PROGRAMME  
CALL FOR COLLOBARATION -2011**

**DEADLINE DATE FOR SUBMITTING PROPOSALS: 9<sup>th</sup> December, 2010**

The Department of Science and Technology (DST), Ministry of Science & Technology, Government of India, New Delhi is promoting to encourage bilateral scientific collaboration between Indian and Irish scientists. Applications are invited from eligible Indian researchers /scientists to submit proposals for joint projects.

**Areas of cooperation:** The support is available to the following scientific areas:

- Nano-Science and Technology
- Sustainable Energy and Energy Efficient Technology
- Information and Communication Technology
- Chemical, Biochemical/Pharmaceutical Sciences
- Food and Agriculture Sciences
- Biotechnology
- Marine Sciences

**Who can apply :** The joint application must include one Indian and one Irish Principal Investigators, who would be responsible for technical as well as administrative co-ordination of the project and its periodic scientific and financial reporting to the DST/ Irish side, respectively.

The Principal Investigator (PI) and other investigators in India should be scientists/ faculty members working in regular capacity in UGC recognized Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes. It is preferred that a member of the project team may be designated as Co-PI.

**Kind of support available:** DST provides the following support under the Programme:

**For Indian Researchers** – Cost of International airfare to and from the designated research location, visa fee, air port taxes, overseas medical insurance premium for the approved visit duration and airport transfers in India. Local hospitality including accommodation, per diem, internal travel in Ireland will be provided by Irish side .

**For Irish Researchers** – Cost of International airfare including, visa fee, air port taxes, overseas medical insurance and airport transfers in Ireland will be provided by the respective Institution/University of Ireland. Costs of accommodation in a guest house, per diem and domestic travel expenses in India including airport transfers as per DST norms will be provided by Indian side.

**Processing :** The format for joint project proposals and other details are available at the websites: [www.stic-dst.org.in](http://www.stic-dst.org.in) or [www.dst.gov.in](http://www.dst.gov.in). Project proposal is to be submitted through e-mail to [nvasishta@nic.in](mailto:nvasishta@nic.in) (preferably in MS Word format in one file indicating file name as PI name & area code) as well as by Post (3 copies ) in the prescribed format on or before the given deadline through proper channel to :

Dr Naveen Vasishta, Scientist, International Division, Department of Science & Technology, New Mehrauli Road, New Delhi-110016

**INDIA-IRELAND COOPERATIVE SCIENCE PROGRAMME**  
PROPOSAL FOR JOINT RESEARCH PROJECT FOR FY 2011

*(to be used by the Indian Scientists/ Researchers)*

Project Ref No. \_\_\_\_\_  
 (to be given by DST)

**A. PROJECT IDENTIFICATION**

1. AREA CODE (Please tick the appropriate box ):

|    |  |         |  |
|----|--|---------|--|
| 1. | Nano-Science and Technology                        | (NST)   |  |
| 2. | Sustainable Energy and Energy Efficient Technology | (SEEET) |  |
| 3. | Information and Communication Technology           | (ICT)   |  |
| 4. | Chemical, Biochemical/Pharmaceutical Sciences      | (CBPS)  |  |
| 5. | Food and Agriculture Sciences                      | (FAS)   |  |
| 6. | Biotechnology                                      | (BT)    |  |
| 7. | Marine Sciences                                    | (MS)    |  |

2. TITLE OF THE PROJECT :

3. PROPOSED DURATION OF THE PROJECT : \_\_\_\_\_ Months

4. PROJECT INVESTIGATORS & COLLABORATING INSTITUTIONS :

INDIAN PRINCIPAL INVESTIGATOR (PI)

|                |                               |      |  |
|----------------|-------------------------------|------|--|
| Name           |                               |      |  |
| Designation    |                               |      |  |
| Department     |                               |      |  |
| Institution    |                               |      |  |
| Postal Address |                               |      |  |
|                | Contact Phone No. (o) & (M) : | Fax: |  |
| E-mail         |                               |      |  |
| Date of Birth  |                               |      |  |

IRISH PRINCIPAL INVESTIGATOR

|             |  |  |  |
|-------------|--|--|--|
| Name        |  |  |  |
| Designation |  |  |  |
| Department  |  |  |  |
| Institution |  |  |  |
| E-mail      |  |  |  |

5. INDIAN CO-PRINCIPAL INVESTIGATOR (CO-PI)

|                |                               |      |  |
|----------------|-------------------------------|------|--|
| Name           |                               |      |  |
| Designation    |                               |      |  |
| Department     |                               |      |  |
| Institution    |                               |      |  |
| Postal Address |                               |      |  |
|                | Contact Phone No. (o) & (M) : | Fax: |  |
| E-mail         |                               |      |  |
| Date of Birth  |                               |      |  |

6. OTHER MEMBERS OF THE INDIAN PROJECT TEAM :

| S. No. | Name & Designation | Department & Institute | Academic Qualification & Specialization |
|--------|--------------------|------------------------|---|
|        |                    |                        |   |

7. OTHER MEMBERS OF THE IRISH PROJECT TEAM :

| S. No. | Name & Designation | Department & Institute | Academic Qualification & Specialization |
|--------|--------------------|------------------------|---|
|        |                    |                        |   |

*Brief Bio-data of Indian and Irish PIs and other Indian team members highlighting the expertise in the proposed field of work alongwith list of publications highlighting those relevant to the proposed project.*

8. ONGOING / COMPLETED PROJECTS WITH THE INDIAN PRINCIPAL INVESTIGATOR :

National Projects:

| S. No. | Project Title | Sponsoring Agency | Budget | Status |
|--------|---------------|-------------------|--------|--------|
|        |               |                   |        |        |

International Projects:

| S. No. | Project Title | Name of the Colloborating Scientist & Institiute | Sponsoring Agency | Budget | Status |
|--------|---------------|--|-------------------|--------|--------|
|        |               |  |                   |        |        |

**B. TECHNICAL INFORMATION**

- Objectives (*in bullet form*) :
- Necessity and the significance of the proposed research exchange with Ireland:  
( whether the proposed work could be done without the collaboration, if not please mention the complementary aspects including benefits of the collaboration)
- Past research activities in the relevent area including those with Ireland and history of correspondence with the Ireland PI.
- National & International scenario in the proposed topic/theme of research (*in about 200 words*), Please provide key bibliographic references.
- Scientific & technical description of the project including methodology
- Plan of proposed research and six monthly milestones (*please describe the project's colloborative framework, division of work between Indian and Irish sides, number of exchange visits planned with duration of each visit during each financial year from each side, up to 2 visits per year from each side* )
- Expected results of the Cooperation (*for example: joint publications, patents etc.*). Are any of the expected results are likely to have commercial value? How do you propose to share it ?:
- Any other relevant information:

### C. FINANCIAL AND ADMINISTRATIVE INFORMATION

TOTAL COST OF THE PROJECT :

*generally limited to the extent of expenditure on approved exchange visits viz. international airfare for Indian scientists and local hospitality to the Irish scientists as per approved norms. Some support for consumables and contingencies may be considered as per DST's norms. Major items of expenditure should be met from internal resources of the Implementing Institution or any other sources.)*

1. List of equipment and other facilities available in the participating Institutes for implementation of the project :  
(In case facilities of other institutes are utilised, a consent letter from the these institute(s) may be neclosed)

- 2.. Exchange visits and estimated expenditure:

| Items of Expenditure  | 1 <sup>st</sup> Year | 2 <sup>nd</sup> Year | Total |
|---|----------------------|----------------------|-------|
| <u>Visits from India to Ireland</u><br>- Number of visits and duration for each visit<br>- International to & fro Airfare by IATA economy excursion class including airport taxes<br>- related local travel in India from city parent institute to nearest International Air Port<br>- visa fee<br>- Overseas medical insurance |                      |                      |       |
| <u>Visits from Ireland to India</u><br>- Number of visits and duration for each visit<br>- Accommodation in Guest House<br>- Per diem @ 1000 per day<br>- local travel in India between the host institute and the nearest International Air Port   |                      |                      |       |
| Consumables   |                      |                      |       |
| Total   |                      |                      |       |

*Note :i) The PI is to required to submit periodic reports and its continuation in the second year would depend upon its progress assessed by DST. At the end of each financial year .the PI is also required to submit the Utilisation Certificates and Statement of Expenditure in prescribed format.*

*ii) Visit of one person is to be counted as one visit.*

3. Designation and address of the Authorised official in Institute/ University to receive the grant
4. A letter from the Irish Principal Investigator agreeing with the objectives, work plan including projected visits from both sides may be enclosed.

*We hereby certify the statements above to be true and correct.*

Signature with Date  
Indian Principal Investigator  
Investigator

Signature with Date  
Indian Co-Principal

## CERTIFICATE OF HEAD OF THE INDIAN INSTITUTION

It is certified that

- 1) The institution agrees to participate in this joint research project;
- 2) In the event of the Indian Principal Investigator (PI) leaving the Institute due to retirement or otherwise, the Co-PI would become the PI and be responsible for completing the project and submitting the periodic progress report and financial statements;
- 3) The institution shall provide infrastructure & available facilities as mentioned above, for implementing the joint project;
- 4) The institution assumes to undertake financial & other management responsibilities for part of the project work to be carried out in this institution;
- 5) The breakup funding for manpower, consumables etc. is available to this project;
- 6) All necessary formalities as per our institution have been completed.

Signature and seal of the Head of the institution