

**INDIA-TAIPEI ASSOCIATION IN TAIPEI  
AND  
TAIPEI ECONOMIC AND CULTURAL CENTRE IN NEW DELHI**

INDIA-TAIWAN PROGRAMME OF COOPERATION IN SCIENCE & TECHNOLOGY

**CALL FOR JOINT RESEARCH PROJECT PROPOSALS**

**CALL CLOSING DATE: 31<sup>st</sup> August 2009**

Pursuant to the signing of an Memorandum of Understanding(MoU) between the Taipei Economic and Cultural Centre(TECC) in New Delhi and the India - Taipei Association (ITA) in Taipei on Scientific & Technological cooperation in Taipei on 18<sup>th</sup> April 2007, and in line with the decisions taken at the 2nd meeting of India-Taiwan Joint Committee on Cooperation in Science & Technology held in New Delhi on the 19<sup>th</sup> of February, 2009, the Department of Science & Technology (DST) and the National Science Council of Taiwan, as nodal agencies to implement the programme of cooperation in India and Taiwan on the respective sides, invites joint research proposals for implementation during the next three year period (2010-2012).

**Areas for R&D projects**

Projects for financial support in the following broad subject areas will be supported-

- Earthquake related science & engineering
- Organic chemistry including supramolecular chemistry and drug discovery, Medicinal chemistry, Green chemistry and pharmaceuticals;
- Structural biology (e.g. Bamboo Flowering) and functional genomics,
- Nano technology including advanced materials
- ICT with focus on embedded systems,
- Energy focusing on solar, fuel cell and green energy
- Tropical and infectious diseases

**Financial support**

The financial support is available only for mobility of scientists/ researchers from each side. Normally 2 visits per year from each side for 3 years would be available.

- a) Indian scientists visiting Taiwan-  
Furnished accommodation in Hotel/ guest house plus per-diem @ 1000 NTD per day for visits up to 30 days and 700 NTD per day for each additional day beyond 30 days towards boarding and out of pocket expenses.
- b) Taiwanese scientist visiting India-  
Furnished accommodation in Hotel/ guest house plus per-diem @ Rs 1000/- per day for visits up to 30 days and Rs 700/- per day for each additional day beyond 30 days towards boarding and out of pocket expenses.

Up to 10 joint research projects would be supported against the present call and the likely date for start of the projects is **the 1st of January 2010**.

### **Eligibility**

Programme is open to Scientists, Engineers; Institutions engaged in advance research in the above referred areas in India and Taiwan. The Joint project proposals may be submitted by the Indian partner to DST and by the Taiwanese partners to NSC in the prescribed format at **Annexure-I**. The preparatory or exploratory visit proposals may be submitted jointly in prescribed format at **Annexure-II**. Application forms and guidelines may be downloaded from [www.gita.org.in](http://www.gita.org.in) under “New initiatives heading”

### **Last date and submission of applications**

The project proposals completed in all respect must be received by both sides latest by the **31<sup>st</sup> of August 2009**. Proposals submitted unilaterally shall not be considered. Advance copies of the proposals shall not be accepted.

The Indian project partner may submit the original along with 6 copies of the application to: **Sanghamitra Chakravarty**, Counsellor & Programme Coordinator, Global Innovation and Technology Alliance, C/o Confederation of Indian Industry Technology & IPR Division, 249-F, Sector 18, Udyog Vihar, Phase IV, Gurgaon – 122 015 (Haryana) Tel: +91-124-401 4060-67 (Extn.327), Fax: +91-124-4014057, Email: [s.chakravarty@cii.in](mailto:s.chakravarty@cii.in) and a soft copy of the application as email attachment.

The Taiwanese partner may submit the application to Dr. S. T. Chen, Program Director, Department of International Cooperation, National Science Council, Taipei, Email: [stchen@nsc.gov.tw](mailto:stchen@nsc.gov.tw) Phone:+886-(0)2-27377959

For further information and details, please contact –

<b><u>From Indian side</u></b>	<b><u>From Taiwanese side</u></b>
Shri. R K Sharma, Sr. Scientific Officer, International Coop. Division, Department of Science & Technology, New Mehrauli Road, New Delhi – 110 016 Tel: 011-26590244 / Fax: 011-26862418 Email: <a href="mailto:sharma_rk@nic.in">sharma_rk@nic.in</a>	Dr. S.T. Chen, Program Director, Department of International Cooperation, National Science Council, Taipei, Taiwan Tel: +886-(0)2-27377959 / Fax: +886-(0)2-27377607 Email: <a href="mailto:stchen@nsc.gov.tw">stchen@nsc.gov.tw</a>

**Annexure-I**

**(Application form for Joint Research Project)**

**INDIA -TAIWAN  
PROGRAMME OF COOPERATION IN SCIENCE & TECHNOLOGY**

**PART 1: General information**

**1 Basic data**

<b>Project Title:</b>	
<b>Keywords:</b>	
<b>Priority research area:</b>	
<b>Intended start:</b>	
<b>Duration (months):</b>	

I hereby confirm that all the information given in this application and the attachments is correct to the best of my knowledge.

<i>Place, Date</i>	<i>Indian main applicant</i>
<i>Place, Date</i>	<i>Taiwanese main applicant</i>

## **INSTITUTIONS ENDORSEMENT:**

Certified that the infrastructural facilities related to the project activity is available in this Institution including equipment, manpower and other facilities and all necessary administrative support will be extended for the project

### **Indian Institution:**

Name:  
Position:  
Signature:  
Date:

### **Taiwanese Institution:**

Name:  
Position:  
Signature:  
Date:

## **2 Personal data**

### **2.1 Indian Project coordinator**

Surname:	
First name(s):	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	
Institute name/place of work:	
Address:	
Postcode, city:	
Country:	
E-mail:	
Phone number:	
Fax number:	

## 2.2 Taiwanese project coordinator

Surname:	
First name(s):	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	
Institute name/place of work:	
Address:	
Postcode, city:	
Country:	
E-mail:	
Phone number:	
Fax number:	

## 2.3 Indian & Taiwanese co-applicant(s)

Surname:	
First name(s):	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	
Institute name/place of work:	
Address:	
Postcode, city:	
Country:	

E-mail:	
Phone number:	
Fax number:	

(Please insert additional tables into the document to list additional co-investigators)

## **PART 2 - RESEARCH PLAN**

### **1 Summary (max. 8,000 characters)**

*Briefly describe the objectives, the research plan, and expected results of the proposed project.*

### **Background (max. 2 pages)**

*Describe the study interests with respect to knowledge in the field and open questions that motivate this proposal. Explain the significance of this project and describe how it will contribute to the advancement of knowledge in your field of research. State what will be original about the proposed project compared to what has already been published in your area of research.*

### **2 Objectives**

*Describe in detail the objectives of the proposed project.*

### **3 Partnership aspects**

*Outline the previous work and past performance of all applicants in the proposed area of research. Briefly describe their experiences and strengths and show their complementarities.*

### **4 Detailed research plan including methodology**

*Explain in detail your approach and methodology to conduct the proposed research and to obtain the stated objectives. Describe how the individual tasks and responsibilities will be divided between the project partners.*

## 6. List of on-going and/or recent research projects between applicants

Project title	Research area	Project duration (xx/yy/zz - xx/yy/zz)	Amount of funds & funding source

*Insert additional rows into the table if required.*

## ATTACHMENTS

In addition, please provide for all applicants:

- a. Brief curriculum vitae
- b. Publication list and list of patents (if applicable)

## PART 3 - Requested funding

### 3.1 Indian side

Year	No. and duration of each visit	Exchange Visits (India to Taiwan i.e., international air-fare and overseas insurance only) in INR	Exchange visits (Taiwan to India i.e., accommodation, per-diem) in INR.	Man-power (project scientific staff)	Consumables, if any	Institute overhead charges (@5%)	Total
1 <sup>st</sup> year				X	X		
2 <sup>nd</sup> year				X	X		
3 <sup>rd</sup> year				X	X		
<b>TOTAL</b>							

### 3.2 Taiwanese side

Year	No. and duration of each visit	Exchange Visits (Taiwan to India i.e., international air-fare and overseas insurance only) in TD	Exchange visits (India to Taiwan i.e., accommodation, per-diem) in TD.	Man-power (project scientific staff)	Consumables, if any	Institute overhead charges @ —	Total
1 <sup>st</sup> year				X	X		
2 <sup>nd</sup> year				X	X		
3 <sup>rd</sup> year				X	X		
<b>TOTAL</b>							

### 4. **Research requiring authorizations or notifications**

Indicate whether the proposed research includes:

	YES	NO
Humans, human tissue samples or individual medical data		
Vertebrates, decapods or cephalopods		
Pathogens or genetically modified organisms		
Human embryonic stem cells		

Please note that research on humans, human embryonic stem cells, vertebrates, decapods, cephalopods, pathogens and genetically modified organisms needs authorization and/or notification.

**PART-4 (For Indian partners only)**

1. List of on-going research projects with the Indian project participants:

Title of the project	Brief description	Duration with dates of commencement and completion of the project	Funding available and source of funds

2. Infrastructure available/required to implement the project:

Facilities	List of items required for the project	If not available presently, how it is proposed to be procured/recruited. Please indicate the source of funding
Equipment		
Manpower		
Consumables and Contingencies		

3. Certified that the following Indian scientists SRF/JRF, Post-Docs are presently affiliated with the University/Institute and will be the official project participants for the entire duration of the project:

SNo.	Name of the project participant	Position held	From	To
1.				
2.				
3.				

5. Please mention Name/Address/Contact details including email address/ area of specialisation of 3 possible peer-reviewers of the project proposal.

S.No.	Name and address of the expert	Contact details including email ID	Area of expertise / keywords

Signature of the Indian PI

### PROJECT SUMMARY

**(NOTE- This project summary should not exceed more than one page in any case)**

1. Programme/Scheme applied for -
2. Project Title -
3. Project Participants -

Indian side	Taiwanese Side

4. Broad objectives of the Project-

5. Methodology to be adopted-

6. Likely out-puts of the project-

7. Are any IPR/Security-sensitivity/GMO/ transfer of biological material aspects involved in the project proposal-?

8. Justification/ need for foreign collaboration-

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9. Break-up of financial support asked for –

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(Signature of the Indian  
PI)

**Annexure-II**

**INDO- TAIWANESE PROGRAMME OF COOPERATION IN  
SCIENCE & TECHNOLOGY**

PROPOSAL FOR THE EXCHANGE VISIT

S.No.	Item(s)	
1.	Project Title	
2.	Last Name of the applicant	
3.	Other name of the applicant	
4.	Sex	
5.	Date & Place of Birth	
6.	Father's/Mother's Name	
7.	Passport No. Date & Place of Issue Validity	
8.	Designation, Organisation With contact telephone numbers	
9.	Area of specialisation & important publications during last 5 years	
10.	Duration of the visit	

11.	Starting on	
12	Expected port of landing	
13	Institutes to be visited with duration (Not more than three)	
14	Brief write up on the purpose of the visit and expected outcome (please attach separate sheet if necessary)	

**Date:**  
**Coordinator**

**Project**

**Forwarded by Head of the  
Institute**

### **GUIDELINES**

1. The Joint Research Proposals (JRP) may include the exchange of personnel, human resources and equipment.
2. The project would necessarily have to be developed jointly by the scientists/ research institution on both sides, duly forwarded by the Heads of the respective institutions.
3. The project should necessarily contain the Plan of work, the number/ duration of visit(s) each year for the duration of the project.
4. The visiting party will meet the expenditure on international and domestic (inter-city) air travel.
5. The receiving party will meet the expenditure on local hospitality for boarding, lodging and local ground transportation of the visiting scientists for a specified number of days/persons to be decided by the two parties on a case-by-case basis.

6. Project coordinators will be responsible for securing funding to support their project costs for the respective parts of such joint projects, as decided by mutual agreement.
7. Normally, two visits per year from each side would be permitted. The duration of visits would be max 60 days per year for junior scientists and max of 30 days per year for Sr. Scientists. Only one visit per year will be permitted for each participating scientists.
8. Only one joint research project shall be considered at a time.