

**DEPARTMENT OF SCIENCE AND TECHNOLOGY,
GOVERNMENT OF INDIA
&
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
REPUBLIC OF KOREA**

**INDO-KOREA JOINT PROGRAMME OF COOPERATION
IN SCIENCE & TECHNOLOGY**

CALL FOR JOINT PROJECT PROPOSALS

Proposals to be submitted by 5.30 pm (local time) on October 31, 2008

1. Introduction

The Indo-Korean Joint Programme of Cooperation in Science and Technology facilitates bilateral cooperation between scientists and researchers from the two countries by way of joint R&D projects and technical missions. The Department of Science and Technology (DST), Ministry of Science & Technology of Government of India , and Korea Foundation for International Cooperation of Science and Technology (KICOS), Ministry of Education, Science and Technology (MEST), the Republic of Korea, are the key agencies dedicated to the implementation of the programme in India and the Republic of Korea (South Korea). This Call for Proposals is to provide for every duly applicants the detail information and procedure about the bilateral cooperation program.

2. Potential Areas for Cooperation

After deliberate consultations between the two parties, following broad subject areas have been selected as the field of research for which the joint funding scheme will be applied. Fusion between the two aforesaid areas is also suitable.

- **Bio-Technology**
 - Bioinformatics
 - Drug science (including manufacturing and development)
- **Environmental and Energy Technology**
 - Solar energy, Bio-fuel cells, secondary cell, Hydrogen savings, etc.
 - Environmental preservation and restoration
 - Control and Management of Pollution (water, air, and soil)
 - Treatment and utilization of waste
- **Nano-Technology**
 - High-quality water refinement using ultra-fine membranes
 - New materials
- **Information Technology**
 - Telecommunications and Mobility
 - Semi-conductors
 - Fusion technology between software and hardware

3. Eligibility

The Programme is open to scientists, engineers, institutions located in India or the Republic of Korea that are engaged in advanced research in one or more of the subject areas listed above. Joint project proposals will be reviewed by both DST and KICOS in the manner described herewith. **TO BE CONSIDERED**, project proposals **must** be submitted to both DST and KICOS by 5.30 pm local time (respective to each country) on October 31, 2008. Proposals submitted to only one organization (DST or KICOS) **WILL NOT BE CONSIDERED**.

Project proposal **must** include the name of one Principal Investigator (PI) and a Co-Principal Investigator (Co-PI) each in both India and the Republic of Korea. The PI and Co-PI are responsible for submitting annual scientific and financial reports in order to

ensure continued funding; each project will be funded for a period of three years barring failure to adequately report on or complete project activities. PI and Co-PI are also responsible for the technical and administrative coordination of their projects.

PIs and other investigators should either be scientists, researchers, or faculty members regularly employed by government-recognized universities, academic institutes, or national research and development laboratories or institutes. Neither PI should be retired or planning to retire during the proposed period of the project.

4. Components of Grant

Basically, each selected project will be funded for a period of three years. Participating institutions are responsible for expenses regarding equipment, manpower, and incidentals. (Refer to Annexure I-C, for more detailed financial information).

Financial support available for the exchange visit component is as follows:

The sending side will provide round-trip economy-class airfare to the relevant entry city of the host country as well as medical insurance. The receiving side will arrange in-country travel for the visiting scientists and so on. For further information, please see Annexure - III.

Annexure - IV is only for **Korean applicants**. Before submitting application form, please refer to it.

5. Proposal Submission

Applicants must submit **one original and ten copies** of the project proposal to both DST and KICOS by October 31, 2008. To be considered, proposals must be properly formatted by both PIs through the appropriate channels.

Indian and Korean applicants shall write a **common** application to be submitted to both DST and KICOS. The common application must be written in English. For Korean applicants, a separate application form written in Korean is also required. Please refer to 'call for proposals' for instructions on completing the Korean-language proposal.

6. Contact Information

DST(INDIA)	MEST(KOREA)
<p><u>Dr. A.K. Sood</u></p> <p>Adviser International Cooperation Department of Science & Technology New Mehrauli Road New Delhi – 110 0049 Tel / Fax: 00 91 -11 -2696 3159 E-mail: drak.sood@nic.in</p>	<p><u>Mr. Jongkyu Youn</u></p> <p>Program Manager Korea Foundation for International Cooperation of Science and Technology Tel: +82-2-6710-7463 Fax: +82-2-6710-7409 E-mail: jkyoun@kicos.or.kr</p>

**APPLICATION FORM FOR JOINT PROGRAMME OF
COOPERATION IN SCIENCE AND TECHNOLOGY**

A. PROJECT

1. Title of Project

--

2. Specific research field

Field	Sub-field
Example) Environmental Technology	Example) Hydrogen energy utilization and savings

please be sure to be specific.

3. Project Duration

/ / ~ / / (dd/mm/yyyy)(Years & Months)
--

※ Project duration should be 3 years (i.e., 36 months) all together.

4. Summary of Project

Keywords			
Objectives			
Approach			
Expected Outcome			

※ Attention - font: Times New Roman, size: 11 points / Do not exceed space provided.

5. Personal Data

	INDIA	KOREA
Name of PI		
Organization		
Department		
Title		
Address of Institution		
Office phone #		
Cell phone #		
Fax #		
e-mail		
Date of Birth		
Name of Co-Investigator		
Organization		
Department		
Title		
Address of Institution		
Office phone #		
Cell phone #		
Fax #		
e-mail		

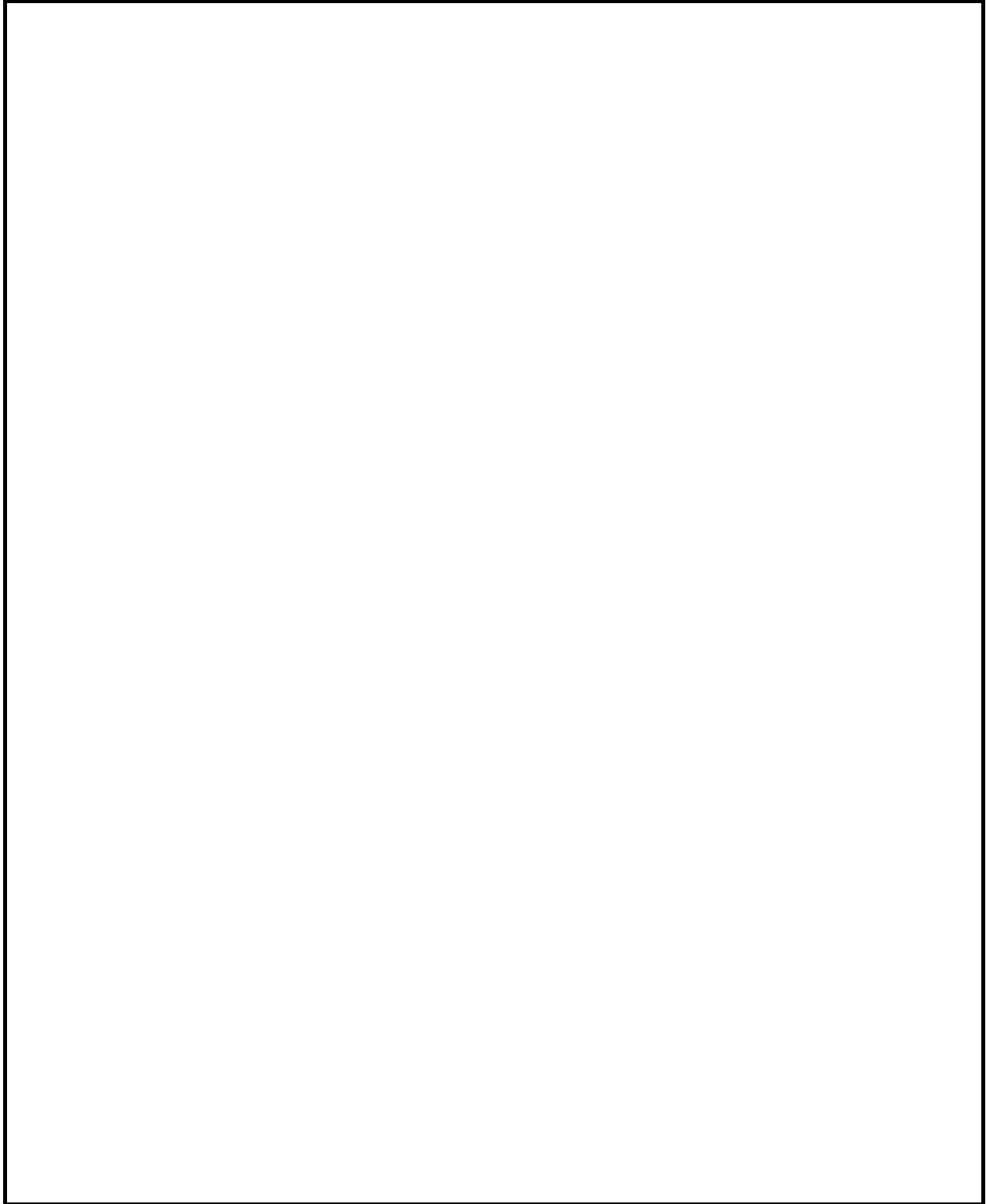
B. TECHNICAL INFORMATION

1. Objectives of Project (up to 200 words)

2. Justification for collaboration & brief introduction to the national and international backdrop to the proposed area of research (up to 400 words)

3. Technical description of the project including methodology

Attention - font: Times New Roman, size: 11 points / Do not exceed space provided.



4. Plan of work (*per annum*)

Timeline	Responsibilities of Indian team	Responsibilities of Korean team
1 st Year (yyyy)		
2 nd Year (yyyy)		
3 rd Year (yyyy)		

5. Facilities related to project activity available at the institutions where the project will be carried out:

At the Collaborating Indian Institutions	At the Collaborating Korean Institutions

6. Information of visiting persons for technical mission (*per annum*).

A. India to Korea

	Name	Organization	Duration	Purpose
1 st Year				
2 nd Year				
3 rd Year				

B. Korea to India

	Name	Organization	Duration	Purpose
1 st Year				
2 nd Year				
3 rd Year				

※ Attention: Please add lines if necessary.

7. Expected results of Cooperation (e.g. joint publications , patents etc.)

Are any of the expected results likely to have commercial value? (up to 100 words)

8. Personal Data of Indian and Korean investigators to be attached.

Describe the expertise of the PI(s) in the proposed field of work by citing relevant publications.

Do not exceed one pages A4 size for each PI (Font: Times New Roman, size: 11 points).

9. Research History of both PIs.

※ **Describe major scientific publications or patent applications during the last 5 years. Do not exceed one page A4 size for each PI (Font: Times New Roman, size: 11 points).**

C. FINANCIAL INFORMATION

1. Budget plan (Project Cost)

(All costs should be in Indian Rs. for projects submitted by Indian PIs to DST)

Year	Exchange Visits		Contingency	Total
	Indian Scientists to Korea	Korean Scientists to India		
1st Year				
2nd Year				
3rd Year				
Total				

A. Signatures of the Principal Investigators & Institutions

▶ Indian PI

Name _____ Signature _____ Date _____

▶ Korean PI

Name _____ Signature _____ Date _____

B. 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 necessary facilities for implementing the Joint

Research Project;

- iii) the Institutions assume financial & other management responsibilities for the duration of the project to be carried out at their institution; and
- iv) the back-up funding for manpower, consumable etc. is available for this Joint Research Project.

Signature of the Heads of the Institutions

▶ **Head of the Indian Institution**

Name _____ Signature _____ Date _____

▶ **Head of the Korean Institution**

Name _____ Signature _____ Date _____

FORM FOR THE TECHNICAL MISSION

1. Project Title

2. Project Code

3. Last Name

First and Middle Names

Title: (Professor/Dr./Mr./Ms./Mrs./Miss)

4. Sex

5. Date and Place of Birth

6. Family Information

- Father: (Last) _____ (First) _____ (Middle) _____.

- Mother: (Last) _____ (First) _____ (Middle) _____.

7. Passport No.

Date & Place of Issue

8. Designation / Position,

Address of the Organization

(including Phone / Fax / E-mail)

9. Area of Specialization

10. Duration of Visit

11. Date of Arrival in Host Country

Date of Departure

12. Expected Port of Landing

13. Institutions to be visited (no more than three)

14. Write a brief essay on the purpose of the visit and the expected outcomes. (please attach separate sheet if necessary.)



Signature of the Visiting Scientist

Date: _____

FINANCIAL CONDITIONS on INTERNATIONAL TRAVEL

(A). Joint Research Project:

1. The sending side will provide round-trip international air fare and cover medical insurance;
2. The receiving side will provide accommodation and living expenses, i.e., transportation including pick-up service to and from the airport, food, etc.

(B). Technical Mission:

1. The sending side will provide round-trip international air fare;
2. The receiving side will offer local transportation including picking/dropping at/from the airport.

FINANCIAL SUPPORT from KICOS
(ONLY FOR KOREAN APPLICANT)

A. Budget for Cooperative Research Project

Budgets may differ *per annum*, depending on the content of activities, but the annual budget for the Korean partner shall be approximately XXX million KRW, in principle. Due to budget limitations of this programme, amounts will be adjusted *per annum*.

B. Details of Support

This programme is designed to support cooperative research activities for tangible research outputs; travel expenses and/or seminar/symposium organization can be also supported, with the precondition that the main research infrastructure is already ensured by each research group.

C. Contract between Korean Applicants and KICOS

Support will be given according to a contract for commissioned research entered between KICOS and universities, research institutions, etc. (hereafter referred to as “institution”).

The contract for commissioned research will be renewed yearly for the duration of the research project. However, renewal of the contract is contingent on proper completion of all administrative procedures related to the project. Hence, the PI should consult with the department in charge at his/her institution for further details on project funding renewal.

D. Funded expenses

The principal cost category includes personnel and direct project costs, such as equipments and consumables. All budget items must conform to the “Specific R&D Program Regulation” of the Korean government.