

# **Indo-German Bilateral Cooperation in Science & Technology**

## ***General Information and Guidelines for Proposals for Support***

### **1. Introduction:**

The Department of Science & Technology (DST), Government of India and the Federal Ministry for Education and Research (BMBF), Government of Germany as the nodal agencies for implementation of the bilateral Indo-German agreement on "Cooperation in Scientific Research and Technological Development", signed in 1974, promote and support co-operation between the scientists and institutions of India and Germany. At the implementation level DST on the Indian side and the International Bureau (IB) of the BMBF at the DLR on behalf of BMBF, coordinate and support the cooperative activities.

### **2. Identified priority areas:**

- Nanotechnologies, intelligent materials and new production technology (new production processes) and other innovative physical and chemical technologies leading to wide technical and commercial utilization
- Information and communication technologies
- Environmental research and sustainability research
- Disaster and security research
- other promising fields (depending on the total number of applications received)

### **3. Joint Research Projects:**

The programme is essentially designed to support the exchange of scientists, technical and academic personnel between the two countries. The sending side covers the travel costs between the places of work in two countries and the receiving side covers the local stay costs. Both partners will contribute products and/or research results to the joint project on a comparable scientific / technological level.

On the Indian side, the basic infrastructure to implement the projects is expected to be available with the implementing institution and hence, equipment purchases will not be generally funded. However, in exceptional cases some support for equipment purchase could be considered (For example: in cases where the proposed research is being attempted for the first time in the country or addition of small piece of equipment will highly facilitate the project implementation). Some limited consumables/ contingency expenditure up to Rs 2 lac/year could be considered on a case-to-case basis.

On the German side, IB will provide only the exchange visit related funding to the German partners. However, IB funding is not available for equipment, manpower, consumables etc.

#### **4. Project Collaboration in 2+2 Mode:**

These are collaborative projects in which one Indian research establishment and one Indian business enterprise are involved along with one German research establishment and one German company. The aim of this collaboration is, joint development of innovative products or processes with good prospects for commercial marketing. Experience has shown that small and medium-sized enterprises quickly absorb new ideas and technical innovations. This tendency is increased still further when they work together with research institutes. Consequently, the direct or indirect participation of small or medium-sized enterprises on both sides is desirable in particular in projects concentrating on the application of new research results or technologies. The participation of industrial partners could be in the form of cash or kind. The proposals in 2+2 mode should clearly bring out the type and scope of participation of the industrial partners. At an appropriate stage, a mutually acceptable agreement on sharing of Intellectual Property Rights generated through the project should be entered into, in consultation with DST.

#### **4.1 High emphasis is laid on application oriented and 2+2 projects as mentioned above, under the bilateral Indo-German Programme of co-operation**

**4.2** The project duration would be initially for two years, which can be extended by another one year depending upon progress of the project. The exchange of scientists and technical staff in this period is to be derived from and explained by the work program. The objectives of each exchange visit are to be specified according to that identified in annual working schedules. Prerequisites for a successful proposal are the availability of adequate means for the basic project funding, and a binding agreement of cooperation from both partners. Normally 2 visits per year from each side would be supported. The duration of visits would be max. 30 days for Sr. Scientists and max 90 days for project associates

4.4 The PI and other participants of the project on the Indian side should be permanent affiliates of the implementing institution (s) / organizations.

#### **4.3 Application & Approval Process:**

Applications can be submitted by the Indian institutions/industries to the DST and by German Research Institutions or industry enterprises to the International Bureau (IB) of the BMBF according to the deadline given in specific calls for proposals [this call: before 31<sup>st</sup> July 2007] in the prescribed formats. Indian partners may use the format attached with these guidelines. German partners must use the electronic version ([http://www.ewa.internationales-buero.de/?project\\_cat=3](http://www.ewa.internationales-buero.de/?project_cat=3)). It is strongly recommended that both the partners submit the jointly formulated proposal simultaneously in India and Germany. All the projects will then be subjected to peer review / evaluation through committees or from renowned researchers. Final approval of the proposal will be done only if both DST and IB agree to support the project.

## 7. Financial terms for exchange visits:

**7.1 Travel:** Sending side bears the total cost of travel between places of work in India and Germany, VISA fees, airport taxes and overseas medical insurance. Funding by IB to German experts travelling to India covers the costs for international flights (economy), travelling to the German airport, and VISA only. Other travelling costs, e.g. insurances and departure taxes (if applicable) are borne by the sending institute or company.

### 7.2 Allowances:

	<b>Short-term (up to 30 days)</b>	<b>Long-term (max. 3 months)</b>
Indian scientists to Germany:	82 Euro per day (1 to 22 days); max. 1840 Euro for 23 to 30 days  (in case of free accommodation per diem would be 26 Euro)	1840 Euro per month  61 Euro for single days exceeding full months
German scientists to India:	Rs. 1000/- per day plus accommodation	Rs. 30000/- plus 700/- per day for visit exceeding 30 days plus accommodation.

## 8. Contact persons:

<b>India</b>	<b>Germany</b>
R K SHARMA, Sr. Scientific Officer, Department of Science & Technology (DST), New Mehrauli Road, New Delhi 110 016 Phone: 011-26590244 Email: <a href="mailto:Sharma_rk@nic.in">Sharma_rk@nic.in</a>	PD Dr. Lothar Mennicken Senior Scientific Officer International Bureau of the BMBF at the DLR Heinrich-Konenstr. 1 53227 Bonn E-mail: <a href="mailto:lothar.mennicken@dlr.de">lothar.mennicken@dlr.de</a> <a href="http://www.internationales-buero.de">www.internationales-buero.de</a>

## Indo-German cooperation in Science & Technology

### Application for project support

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New Application

Follow-up of former project, Reference Number

Title of Proposal (in English):

Title of Proposal (in German):

Duration: Start \_\_\_\_\_ End \_\_\_\_\_

Summary:

#### German Partner:

Institution	
Division/institute	
Address (Street, POB)	
Zip Code, City	
Head of Project	Phone :
E-Mail	Fax:

*Further German partners (please list in Attachment 1)*

#### Indian Partner :

Institution
Division/institute
Address (Street, POB)

Zip Code, City	
Head of Project	Phone :
E-Mail	Fax:

*Further Indian partners (please list in Attachment 1)*

# Indo-German cooperation in Science & Technology

## Application for project support

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### 1. Project Information

Project description (2-3 pages) should be provided as *Attachment 2*, numbered according to the following structure:

- 1.1 Objectives, project description
- 1.2 Work and time schedule
- 1.3 Distribution of tasks between partner institutions
  - (a) German partner
  - (b) Foreign partner
- 1.4 Reasons for and benefits of cooperation (Incl. previous collaboration between project partner, potential applicability)
- 1.5 Benefits for each country)
- 1.6 Experience of the partners, including last 5 publications in the research field of the proposal

**German Partner**

**Indian Partner**

### 2. Industry Participation

*(if applicable, please explain kind of cooperation in Attachment 3)*

**yes**

**yes**

### 3. Financing

a) Basic Project costs

Incl. Salaries by the institution

And/or grants \* (broad estimate):

\_\_\_\_\_

\_\_\_\_\_

\* if applicable, please name sources:

\_\_\_\_\_

\_\_\_\_\_

Name of the Government institution, if applicable

b) This proposal is submitted to:

International Bureau

DST

**Indo-German cooperation in Science & Technology**  
**Application for project support**

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**4. Delegation and Stay of Scientists and Experts**

- please list each visit separately by name, duration in days, months in which visit starts

a) German experts visiting Indian project partners

1 <sup>st</sup> Year			2 <sup>nd</sup> Year		
Name	Duration & tentative start of the visit	Work plan	Name	Duration (days) & tentative start of the visit	Work plan

b) Indian experts visiting German project partners

1 <sup>st</sup> Year			2 <sup>nd</sup> Year		
Name	Duration & tentative start of the visit	Work plan	Name	Duration (days) & tentative start of the visit	Work plan

**5. Equipment and Consumables** (Only in exceptional cases, informal explanation on separate page as **Attachment 4**)

Year	Year
Estimated Cost (in Rs)	Estimated cost (in Rs)

**6. Signatures of Project Heads**

German Partner

Indian Partner

\_\_\_\_\_  
(Date, Name)

\_\_\_\_\_  
(Date, Name)

**7. Signatures of Heads of Institutes or Companies**

German Partner

Indian Partner

\_\_\_\_\_  
(Date, Name)

\_\_\_\_\_  
(Date, Name)

**(To be filled by the Indian Partner and submitted on the Indian side only)  
Indo-German cooperation in Science & Technology**

**Application for project support**

1. Project Title:
2. Project coordinator and other participants: (list all participants including industrial participants)
3. List of on-going research projects with the Indian project participants (if possible):

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

4. Infrastructure needed to implement the project:

Facilities	List of items required for the project	If not available presently, how it is proposed to procure/recruit. Please indicate the source of funding
Equipment		
Manpower		
Consummables and contingencies		

It is certified that the above mentioned details are true to the best of my knowledge and basic infrastructure like power, water, administrative support etc will be provided for implementation of this proposed Indo-German project.

**Signature of Project Coordinator**

(Date, Name)

**Signature & Seal of Head of the Institution**

(Date, Name)