



Department of Science and Technology  
Government of India



## **DST-DFG Joint Call inviting joint research proposals Submission Deadline: 20 November 2019**

# **Indo-German Collaborative Research Activities in Chemistry, Mathematics & Physics**

Pursuant to the Memorandum of Understanding (MoU) between the Department of Science and Technology, India (DST) and the Deutsche Forschungsgemeinschaft (German Research Foundation, DFG), DST and DFG are opening the possibility for joint Indo-German research project funding in the fields of **Chemistry, Mathematics, Physics** (DFG review boards 301 to 312). Indo-German teams of researchers are invited to submit joint proposals describing integrated research projects with a duration of up to three years. DST and DFG particularly wish to encourage early career researchers to participate in this international funding opportunity, though the call is open to researchers of all career stages. Proposals may describe either mono-disciplinary or multi-disciplinary projects. In the case of interdisciplinary proposals, however, it is important that the central parts of the project fall within the listed fields.

These joint proposals in the fields of Chemistry, Mathematics and Physics have to be based on a close interaction between the German and Indian research teams and should present joint project goals and a joint work plan with balanced contributions from all project partners.

For administrative reasons, it is necessary that an Indo-German team of researchers wishing to respond to this call must submit two proposals in parallel; the Indian partner to DST, the German partner to DFG. Each proposal must follow the regulations of the respective agency; proposals failing to fulfil all formal requirements will be rejected. Funds to be used by the Indian side must be requested from DST; funds to be used by the German side must be requested from DFG.

The proposals will be evaluated separately by DST and DFG on the basis of the projects' scientific merit/quality, the justification for scientific-collaboration and the qualifications as well as the compatibility of the participating team members. The results of the review process will be shared between the agencies. Support will be granted for those proposals where both DFG and DST recommend funding.

## Proposal preparation and submission:

The following information focuses on DST proposals. [For information regarding DFG proposals, see the Information for German Researchers linked below.](#)

- Eligibility of collaborating scientists

Faculty, scientists and academicians having permanent positions and belonging to universities, deemed universities and public funded research institutes can apply as a “Principal Investigator” (PI or Main Applicant).

- Content information

The language of the project description must be English. The proposal must include a description of the full proposed research programme and research team and describe the total resources for the joint project (that is, the funds requested for both the Indian and German groups). The budget tables in Part III of the DST proposal and the budget figures entered by the German P.I. in DFG’s elan portal, however, must specify only the funds requested from the respective agency.

To ensure that the review on both sides will be based on the same fundament, the research plan has to be identical. Therefore, the description given in accordance with the points Part II, 2-9 of the project documentation for DST must be equivalent to the project description given in the proposal to the DFG, following the Project Proposal Preparation Instructions (form 54.01) under point 1 to 3.

The proposal, including publication list, should not be more than 20 pages. It should be self-explanatory and not require reviewers to read the literature that is either quoted or enclosed. The proposals should contain a working plan, describing the tasks of the involved research groups and how the cooperation will be organized. The applicants should describe the added value of the cooperation, i.e. the special benefit resulting from the cooperation of German and Indian researchers. Each proposal must also be accompanied by a description of how the project reflects the theme of the call, both in terms of subject matter and organisation. Please include a list of own publications that are related to the proposed project. It serves as an important basis for assessing your proposal. Single applicant on Indian side: two publications per year of the funding duration, multiple applicants on Indian side: three publications per year of the funding duration.

In the joint proposal, the budget estimates should be shown in a diagram/table in order to get an overview at a glance. Furthermore, the costs need to be carefully justified and derived from the working programme.

- Funding

Project duration: Up to 3 years non-extendable

Grants will be offered towards project specific costs viz. consumables, up to two scientific personnel, one project related workshop; travel and living costs etc. on the

Indian side. Overhead charges as per DST norms will be provided to Indian Institutions. The financial support is NOT available under the scheme for the following activities:

- i) already existing collaborative projects where travel and living costs are financed by other sources;
- ii) Capital equipment
- iii) Office equipment viz. desktops, laptops, scanners, printers, photocopy machines etc.

The sending side will bear the travel costs (including medical overseas insurance, visa fees, etc.) from place of work in home institution to the place of work in host institution while the receiving side will provide local hospitality according to the norms of respective sides.

DST Rates for local hospitality: Rs 2500/- per day as per-diem plus a well furnished institutional guest house; accommodation subject to maximum of Rs 4,000/- per day if the accommodation is arranged outside the Institute premises on non-availability of accommodation at the institute of visit.

- Submission

Proposals must be submitted to both organisations in parallel in accordance with the proposal preparation requirements of each side, respectively. Proposals missing to fulfil all formal requirements shall be rejected.

The deadline for the submission of proposals in response to this call is, **20 November 2019**.

How to submit the DST proposal: TWO original hard copy of the proposal is to be submitted to:

Dr. Chadaram Sivaji  
Scientist-F  
International Bilateral Cooperation Division  
Room No 19A, S&T Block-I  
Department of Science and Technology,  
Technology Bhawan, New Mehrauli Road  
New Delhi -110 016

In addition, a softcopy in a single pdf file (no scanned pages to be included in the file) of the application must be sent as an attachment to: [sivaji@nic.in](mailto:sivaji@nic.in). Signatures and institution seal/stamp are not required in the softcopy of the proposal.

In the hard copies of the proposal, the signatures of the German P.I.(s) and Head of Institution, as well as the German institution's seal/stamp, can be printed (from a scan).

**Information for Indian researchers:**

The DST Information for Researchers about the DST-DFG call containing detailed information for Indian P.I.s will appear on DST's online portal at : <https://onlinedst.gov.in>

**Information for German researchers:**

The DFG Information for Researchers (Information für die Wissenschaft) about the DST-DFG call containing detailed information for German P.I.s will appear on:

[https://www.dfg.de/foerderung/info\\_wissenschaft/2019/index.html](https://www.dfg.de/foerderung/info_wissenschaft/2019/index.html)

**Contacts:****Contact person at DST, New Delhi:**

Dr. Chadaram Sivaji  
Director / Scientist-F  
International Bilateral Cooperation Division  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India, New Delhi  
+91 11 26590489  
[sivaji@nic.in](mailto:sivaji@nic.in)

**Contact person at the DFG in Bonn, Germany:**

Dr. Daniel Pursche  
+49-228-885-2389  
[Daniel.Pursche@dfg.de](mailto:Daniel.Pursche@dfg.de)

**Contact person at the DFG India Office in New Delhi:**

Dr. Matthias Kiesselbach  
+91-11-4922-4900  
[Matthias.Kiesselbach@dfg.de](mailto:Matthias.Kiesselbach@dfg.de)

## DST APPLICATION FORM

### PART 1: General information

1. Title of the project:
2. (Subject Area, as specified in the announcement)
3. Contact details / Address of the project leaders:

	Indian project leader	German project leader
Name & Designation		
Department & Institute/ University (address)		
Telephone (Work)		
Telephone (Residence)		
Fax No.		
Email ID		

#### 4. Other participants in the project:

Indian side	German side

### INSTITUTIONS ENDORSEMENT

Certified that –

- i) The project participants involved in the project as mentioned above are affiliated to the Institute/ University.
- ii) All information provided in the project proposal is correct; and
- iii) the necessary facilities including scientific equipment etc. for implementation of the project are available in the Institution and all necessary administrative support will be extended to the project

<p>Signature(s) of the Indian PI(s) <small>Only required in hardcopy of proposal.</small></p>	<p>Signature(s) of the German PI(s) <small>Only required in hardcopy of proposal. Signature(s) of German P.I.(s) can be scanned and printed.</small></p>
<p>Signature of the Head of Indian Institution with seal <small>Only required in hardcopy of proposal.</small></p>	<p>Signature of the Head of German Institution with seal/stamp <small>Only required in hardcopy of proposal! Signature and seal/stamp of German institution can be scanned and printed.</small></p>

### PART-II

1. Project title
2. Scientific objectives
3. Current state of the research/ technology of the topic
4. Proposed activities including methodology of the proposed research work
5. Preliminary activities by the Indian side
6. Preliminary activities by the German side
7. Detailed description of the Indo-German co-operation (justification/rationale for collaboration)

8. Compatibility of intensions of both sides with regard to individual components of the project, working method etc.
9. Expected results and dissemination plan  
(Describe in detail the expected outcomes of the proposed activities and outline potential follow-on interactions between the involved institutes/institutions. If applicable, explain how you will disseminate your findings to key stakeholders and community and address potential for knowledge transfer to industry)
10. List of milestones  
(Outline major milestones of your project on a time-scale of months and list the activities that will be required in order to achieve the milestone)
11. Ethical, safety and regulatory issues  
(Does your proposed work raise ethical, safety or regulatory issues? If yes, how will you deal with it? Clearly indicate)
12. List of the five most important publications of the project participants, which have a bearing on the project (please do not send copies of the publications themselves or lists detailing all publications of the group)

**PART-III Budget requirement:**

i. Visit of Indian scientists to Germany

Name of Indian Scientists visiting Germany	Tentative dates of proposed visit and duration of stay in Germany	Anticipated budget estimates for international travel (including domestic travel in connection with the international travel, visa fees, medical insurance, etc) Please indicate break-up for each head
1.		
2.		
3.		
4.		
5		
6		
Total cost (i)		

ii. Visit of German scientists to India

Name of German Scientists visiting India	Tentative dates of proposed visit and duration of stay in India	Per-diem charges @ Rs. 2500/- per day	Accommodation charges @ Rs. _____ per day
1.			
2.			
3.			
4.			
5			
6			
Total cost(ii)			

iii. Other project costs:

Item	Details i.e. name, number, quantity etc.	Budget requirement (1 <sup>st</sup> year )	Budget requirement (2 <sup>nd</sup> year)	Budget requirement (3 <sup>rd</sup> year)
Scientific manpower				
Spare parts / Consumables				
Workshop	Only one joint workshop during the currency of the project shall be supported by DST			
Contingency etc.				
Total cost ( iii )				
Grand Total (i+ii+iii)				

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

1. List of on-going/completed research projects with the Indian project participant(s):

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. Does the project involve (i) Biological Material Transfer / Use of GMOs / Radioactive materials; (ii) Human / animal trials?  
(If yes, submit necessary clearance of nodal agency / department of Govt in this regard)

4. Is the collaborative proposal involves IPR related issues?  
(If yes, the partners need to submit the IPR sharing agreement by the collaborating institutes before sanction of the project by DST and DFG.

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