



Indo-Russian S&T Cooperation Joint Call for project proposals - 2022

Announcement of Call for Proposals: 13th September 2022
Deadline for Submitting Proposals: - 14th November 2022

Department of Science & Technology (DST), Government of India and Ministry of Science and Higher Education (MSHE) of the Russian Federation invite Indian and Russian scientists / researchers to submit proposals for joint research projects in the following priority areas:

- a. Glycoscience & Technology: Exploration of structures and functions of sugars for diverse application in medicine, energy generation and materials science.**
- b. New Materials & Additive manufacturing, including Development of new materials and technologies for their producing (both conventional and additive).**
- c. Precision Agriculture, including Development of equipment and machinery for agriculture and food production, and Digital and distance technologies in agriculture.**
- d. Aerospace technologies**

2. APPLICATION PROCEDURE

The Indian and Russian applicants will develop one joint Project plan and the plan will be sent to both India (DST) and Russia (MSHE) using the forms of each organisation, respectively. It should be ensured that application with identical title has been submitted from both counterparts.

Project proposal must include the name of one Principal Investigator (PI) each in India and Russia. The applications must include a statement on how the proposed collaboration brings added value for both countries.

On the Indian side PIs and other investigators should either be scientists, researchers or faculty members regularly employed by government-recognized universities, academic institutes, national research and development laboratories or institutes. Neither PI should be retired or planning to retire during the proposed period of the project. **Please note that on the Indian side applicant already implementing two projects funded by the International Division of DST**

is not eligible to submit the project against this call. The PI / Co-PI already implementing Indo-Russian joint project are also not eligible to apply.

The project should have industrial perspective and participation from both Indian and Russian industry is strongly encouraged.

3. SELECTION CRITERIA AND EVALUATION PROCESS

DST and MSHE will select the proposals according to their respective institutional procedures and assessment criteria. Special emphasis will also be placed on the following criteria:

- a) Novelty of the proposed work,
- b) Need assessment and demand for proposed work,
- c) Scientific appropriateness of deliverable of proposed approaches and technical merit
- d) Expertise and track record of individual researcher or project consortium as applicable.
- e) Appropriateness of industrial partner, competence of each member, facilities available to conduct researcher will be given due consideration.
- f) Proposal formulation. Literature/patent review, qualified objectives, methodology and work plan, clear and welldefined deliverable.
- g) Synergy effects and added-value to ongoing research within the field.
- h) The project should have industrial perspective and participation from both Indian and Russian industry is strongly encouraged.
- i) The proposed research and innovation projects should be well integrated on the Indian and Russian side
- j) Research and innovation activities of importance to the expected outcome should be evenly distributed among Indian and Russian counterparts.
- k) Synergy effects and added-value to ongoing research within the field including Indo-Russian research and innovation projects is considered important.

4. KIND OF SUPPORT AVAILABLE

The successful projects will be jointly funded by India and Russia. For Russian counterpart, funding will be disbursed by MSHE, Russia and similarly for Indian counterpart by DST. 4-5 joint research and innovation projects based on merit would be considered for support. The duration of the projects is expected to be up to 3 years for both sides.

The project budget must clearly delineate justified Indian and Russian costs. The costs of the Indian partner must be eligible as per the guidelines of the DST. Accordingly, the costs of the Russian partner must be eligible as per the guidelines of the MSHE. As the joint projects are funded in bilateral mode the mobility between the two countries should be balanced. Applicants are reminded to include sufficient budget for travel between India and Russia to ensure successful collaboration.

Significant co-financing as well as the participation of relevant public partners and/or private enterprises other than the main applicants is encouraged.

Kind of support available on the Indian side:

This funding will cover the following expenses in connection with a project;

- **Consumables & Accessories, Fellowships and other research expenses;** Expenditure by project team in their country would be borne by the respective country, i.e., DST would support expenditure on Indian side of the project whereas RSF would meet the expenditure of Russian side. **There will be no support provided under the equipment head. Therefore, PIs are required not to submit the budget for the equipments in the project proposal.**
- **Support for Exchange visit component:** The sending side would provide return international airfare, accommodation, per diem, etc. Presently for the approved visit of Indian scientists to Russia, following expenditure are agreed: international fare (from nearest airport to destination city by economy excursion class), cash allowance @ US \$ 50 per day for visit less than a week and US \$ 40 per day for longer visit; accommodation upto US \$ 100 per night (subject to receipt), US \$ 125 in case of Moscow / St. Petersburg), local transport upto US \$ 25 (subject to receipt) and overseas medical insurance by silver class for visit duration.
- **Institutional Overhead: As per DST norms.**
- No financial support will be provided to Industry partner. Industry can participate with their own funding. A commitment letter should be provided while submitting the proposal.

5. PROPOSAL REQUIREMENTS

Proposals must attempt to fully disclose the research ideas and approaches. It is important that proposals are well crafted and provide substantive description of the research plan for a fair review of the scientific/technical plans and approaches. Proprietary or confidential information must be clearly indicated in the proposal. Proposals must not be duplicative or substantially similar to any previous project or proposal submission.

The project leading to the Industrial development and having potential for commercialization will be eligible for financial support. Basic and applied R&D proposal leading to Industrial

development will be supported under this call. The implementation or commercialization plan should be clearly spelled out with achievable milestones, timelines, justifiable budget requirement and engagement with prospective technology transfer partners or technology transfer facilitating bodies.

6. PROCEDURE FOR SUBMISSION OF PROJECT PROPOSAL

The Russian and Indian applicants will develop one joint Project plan and the plan will be sent to both MSHE, Russia and India (DST) using the forms of each organization, respectively. It should be ensured that application with identical title has been submitted from both counterparts.

Project proposal must include the name of one Principal Investigator (PI) each in India and Russia. The proposal, in English, must be submitted to DST online, not later than 31st October 2022 (16.30 hrs IST).

Submission in India:

The Project Proposal could be submitted for financial support through **ONLINE MODE ONLY** by Scientists/ Engineers/ Technologists working in Universities and other Academic institutions; R&D institutions/ laboratories having adequate infrastructure and facilities to carry out R&D work. The PI(s) should have relevant experience as evident from previous prototype commercialization or development or practical experience in the chosen area/topic with field knowledge.

On the Indian side, the Project Proposal could be submitted in the enclosed format through ONLINE MODE ONLY (www.onlinedst.gov.in). NO HARD COPY of the project proposal should be submitted.

For further details and clarifications, if any, kindly contact any of the following in India or Russia:

For India

Dr. Sibashisa Dash,
Scientist 'C', International Division,
Department of Science & Technology
Ministry of Science & Technology, GOI
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New Delhi – 110016, India
Tel: +91-11-26590317
E-mail: sdash.dst@gov.in
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For Russia

Ms. Anastasia Zadorina,
Deputy Executive Director
International Science and
Technology cooperation
email: zadorina@mniop.ru

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DST - MSHE Joint Call for Proposals



For Use by DST
Area:.....
Sl. No.....

PROJECT PROPOSAL

PROJECT TITLE :

KEY WORDS
(Max. 5)

AREA
Pls indicate area under which your proposal falls

PROJECT COORDINATORS : **Indian** **Russian**
(one on each side)
(Name, Designation, Address, Tel.,
Fax, E-mail)

OTHER PARTICIPANTS :
(Including those from user agency(ies))

PROPOSED STARTING DATE :

DURATION :

OBJECTIVES :

BRIEF DESCRIPTION OF PROJECT :

(Please attach 1-2 page Project summary including methodology and anticipated results)

NATIONAL & INTERNATIONAL SCENARIO IN THE PROPOSED TOPIC/THEME OF RESEARCH :

(in about 200 words), Please provide key bibliographic references.

NECESSITY AND THE SIGNIFICANCE OF THE PROPOSED RESEARCH EXCHANGE WITH RUSSIA: :

PLANNED TARGETS :

Time frame	Target	Indian responsibilities	Russian responsibilities
(a)	(b)	(c)	(d)
1 st six months			
2 nd six months			
3 rd six months			
4 th six months			
5 th six months			
6 th six months			

SUGGEST WAYS OF MEASURING THE OUTCOME AND IMPACT OF THE JOINT RESEARCH PROJECT :

PROPOSED METHODOLOGY FOR JOINT UTILISATION OF RESULTS :

(Joint Publications, transfer of results to industry, setting up of joint ventures etc.)

ONGOING / COMPLETED PROJECTS WITH THE INDIAN PRINCIPAL INVESTIGATOR (last 5 years)

National Projects:

S. No.	Project Title	Sponsoring Agency	Budget	Status
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International Projects:

S. No.	Project Title	Name of the Collaborating Scientist & Institute	Sponsoring Agency	Budget	Status
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EXCHANGE VISIT WHICH MAY BE REQUIRED TO MEET TARGETS:

	INDIA TO RUSSIA		RUSSIA TO INDIA	
	Number of persons x visits	Duration for each person's visit	Number of persons x visits	Duration for each person's visit
1 st Year				
2 nd Year				
3 rd Year				

FINANCIAL SUPPORT REQUIRED FROM DST :

	1 st Financial Year	2 nd Financial year	3 rd Financial year
Consumables and Accessories			
Manpower			
Contingency			
Exchange Visits			
Total			

Note: The Project Leader is required to submit periodic reports and its continuation in the next year would depend upon its progress assessed by DST & MSHE. At the end of each financial year the Indian

Project Leader is also required to submit the Utilization Certificates and Statement of Expenditure in prescribed to DST.

Justification for consumables (Quantified list to be provided)

Justification for Manpower sought, if any

List of facilities being extended by parent institution(s) for the project implementation.

Equipment available with the Institute/ Group/ Department/ Other Institutes for the project:

Equipment available with	Generic Name of Equipment	Model, Make & year of purchase	Remarks including accessories available and current usage of equipment
PI & his group			
PI's Department			
Other Inst In the region			

OTHER SOURCES OF SUPPORT

Is this research currently being supported by other sources?

YES	NO
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If yes, please indicate the sources, amounts and periods of support.

Indian side:

Russian side:

Has this project been submitted to other agencies for financial support?

YES	NO
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If yes, please indicate which agencies, and when.

Indian side:

Russian side:

(Signature of Project Coordinator)

Attachments required

1. A consent of Russian counterpart to pursue proposed joint work.
2. No objection / Forwarding letter of Institute.
3. Bio-data of Project Coordinators (max: (2 pages) including date of superannuation / completion tenure, field of specialization, current research interests, significant accomplishment.
4. Industrial SIROs recognized by DSIR is required for the Industrial partner.