

Call for Proposals 2019 under Indo-Uzbek Joint Research Programme

CLOSING DATE – February 14, 2020

The Department of Science & Technology (DST), Government of India and the Ministry of Innovative Development of the Republic of Uzbekistan invite proposals for Joint Research projects in bilateral mode involving scientists & technologists from India and Uzbekistan .

The Department of Science & Technology (DST), Government of India and the Ministry of Innovative Development of the Republic of Uzbekistan (hereinafter referred to as the “Implementing Agencies”) hereby invite Uzbek and Indian scientists/researchers to submit proposals for Joint Research Projects in following scientific areas:

- i. Agriculture and Food Science and Technology;
- ii. Engineering Sciences;
- iii. Information and Communication Technology, Applied Mathematics and Data Science and Technology;
- iv. Health and Medical Technology;
- v. Materials Sciences;
- vi. Life Sciences and Biotechnology;
- vii. Physics and Astrophysics;
- viii. Energy, water, climate and natural resources;

[A] APPLICATIONS

(1) An Application shall -

- a) be for a Joint Research Project or as herein provided.
- b) be made simultaneously by a counterpart Team in each country as hereinafter provided.
- c) be made by the Leader of a team of scientists in each country (Team Leader), to the respective Implementing Agency of his/her country, simultaneously. Both Applications shall be identical. Since all projects are joint projects, it is expected that consultations would have been held between relevant counterpart Institutions in the other country prior to the submission of an Application.
- d) be in English and shall be in the Form prescribed by the relevant Implementing Agency.
- e) be required to be submitted by the dates set out below.
- f) Both Implementing Agencies will conduct parallel review of the applications respectively based on the agreed criteria. Implementing Agencies will make joint decisions based on the review results.
- g) List of selected projects will be posted on website www.mininnovation.uz and www.dst.gov.in / www.stic-dst.org sometime in May, 2020
- h) Successful Indian team leaders would be expected to complete various governmental requirements before commencement of the project.
- i) Expected Starting of Project: July, 2020
- j) Project leaders are required to submit Statement of Expenditure / Utilisation Certificate along with Project Technical report immediately after completion 1st and 2nd financial year.
- k) The funding for the selected projects will be provided in annual instalments. The second instalment for each project will be provided after receipt of financial documents, mentioned above, and on evaluation of intermediate technical reports, submitted by Indian and Uzbek researchers respectively to DST and the Ministry of Innovative Development and only if both reports are evaluated positively.

The Indian scientists who are in any way involved in the implementation of two or more projects that were previously supported by the DST (International Group) and that are not expected to be completed by the Ministry of Innovative Development are also not eligible to be a member of the research team.

(2) Applications are required to be submitted as follows –

On Indian side

- The Indian researchers can download the proposal formats from websites www.dst.gov.in / www.onlinedst.gov.in and should submit completed application form and all relevant information through e-PMS portal of the DST. Proposals must be submitted to DST through the e-application system provided at www.onlinedst.gov.in. Indian Applicants also requested to send **three hard copy** to DST (Dr. Rajiv Kumar, Scientist E'), DST) by February 20, 2020 through proper channel. It should be ensured that application with identical title has been submitted by his / her Uzbek counterpart to Uzbek Implementing Agency by due date. **Proposal not submitted through either ePMS portal or hard copy by due date will not be considered. DST will not be liable for any postal delay.**

On Uzbek side

- The Uzbek researchers can download the proposal format from website www.mininnovation.uz/competitions and form must be filled in English and hard copy delivered to the Ministry of Innovative development before February 14, 2020. It should be ensured that application with identical title has been submitted by his / her Indian counterpart to Indian Implementing Agency by due date.

(B) JOINT RESEARCH PROJECTS

(1) *Requirements of Research Projects*

- a) Research Projects should be carried out jointly by research teams from both countries.
- b) Each country should have a team with a Team leader. The Team Leader should be one who holds a full-time position at a University or Research Institution in the respective Country.
- c) The duration of each project should be three years.
(*Scientists are advised to submit only one project against this Call. Those Uzbek scientists who are presently implementing two projects for international collaboration are not eligible to apply*)

(2) *Financial support available*

The funding will cover the following expenses in connection with a project up to a limit agreed upon by each Implementing Agency -

- (a) Research expenses / contingency: Limited Expenditure by the project team in their country in respect of consumables, contingency and exchange visits will be borne by the respective country. On the Indian side maximum Rs. 1 lakh towards consumables and Rs. 50,000 towards contingency can be considered.
- (b) **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 Uzbekistan, 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,
 - local transport upto US \$ 25 (subject to receipt) and
 - overseas medical insurance by silver class for visit duration.

(c) No financial support towards equipment or manpower will be considered. Application will be rejected, in case above guidelines not followed by the applicant.

[C] ASSESSMENT OF APPLICATIONS

- (1) The following procedure will be followed in assessing valid Applications -
- (a) All valid applications will be submitted for peer review process and shall be referred to Scientific and Technical council thereafter for rating in terms of the criteria set out in paragraph (e) below.
 - (b) Applications that attain a positive rating will be eligible to be considered for funding.
 - (c) A Joint Committee comprising representatives of the Implementing Agencies (the "Joint Committee") will, upon a consideration of the rating, determine which proposals will receive funding. Such a decision will also take into account the funding available.
 - (d) Decisions made by the Joint Committee shall be final.
 - (e) The criteria that will be taken into consideration for rating are the following –
 - (i) conformity of the project objectives with national policy
 - (ii) state of scientific research capacity
 - (iii) novelty of scientific research and engineering
 - (iv) added value of the bilateral cooperation
 - (v) benefits of project including :
 - (a) industrial development
 - (b) technology capacity building
 - (c) science and technology human resources development
 - (d) possible commercialization of research results
 - (vi) intellectual property : usage and ownership
 - (vii) budget requested
 - (viii) approval and support by host Institutions
 - (ix) feasibility of project; and
 - (x) profile of Principal Investigators. Ability of the teams to successfully complete the project
- (2) Where an Application is selected for funding support, the respective Implementing Agencies will notify the Team Leader of the project, accordingly.

The following may be contacted for further details and clarifications, if any -

For India

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For Uzbekistan

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**INDIA-UZBEKISTAN PROGRAMME OF CO-OPERATION
IN SCIENCE & TECHNOLOGY
(Proforma for Application for Joint Research Project)**

A. PROJECT IDENTIFICATION

1. Title of the Project:
2. Duration of the Project in months:
Expected date of commencement:
3. Field of Science & Technology covered by the proposal:
Key words qualifying the scope of the proposal:

4. Project Investigators (PI) & Collaborating Institutions

	<u>Indian</u>	<u>Uzbek</u>
Name of PI Designation Date of Birth Institute Contact Address Telephone No. : Office Residence Fax No. e-mail		
Name of the Co-Investigator(s) Designation Date of Birth Institute Contact Address Telephone No. : Office Residence Fax No. e-mail		

B. TECHNICAL INFORMATION

1. Objectives of the Project (up to 200 words)
2. Justification for collaboration & brief information about national and international scenario in the proposed area of research (up to 200 words)
3. Scientific & technical description of the project including methodology (up to 400 words)
4. Plan of work

Time Schedule	Indian Responsibilities	Uzbek Responsibilities
1st Year		
2nd Year		
3rd Year		

5. Number of exchange visit required to achieve the Project Objectives (Year wise)

Period	India to Uzbekistan		Uzbekistan to India	
	Number	Duration	Number	Duration
1st Year				
2nd Year				
3rd Year				

6. Expected results of this cooperation (e.g. joint publications, patents etc.)

Are any of the expected results like to have commercial value? How do you propose to share it? (up to 100 words)

7. Bio-data of Indian and Uzbek investigators to appended in about 2 pages each.
[The description should highlight the expertise of the PI(s) in the proposed field of work supported by citing relevant publications only].

C. ADMINISTRATIVE & FINANCIAL INFORMATION

1. Project Cost

Year	Consumables#	Contingency	Exchange visits	Total
1st Year				
2nd Year				
3rd Year				
Total				

(#) Minor support towards consumables (max Rs. 1 lakh per year) could be considered, if details of item proposed and proper justification have been given.

2. Signatures of the Project Investigators & Co-investigators

INDIAN

UZBEK

3. 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 infrastructure & necessary facilities for implementing the joint project;
- iii) The Institutions assume to undertake financial & other management responsibility for the part of the project work to be carried out at their institution; and
- iv) the back-up funding for manpower, consumable etc. is available to this project.

Signature & Seal of the Head of the Institutions

INDIAN

UZBEK