# GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF SCIENCE & TECHNOLOGY

**INDIA-JAPAN COOPERATIVE SCIENCE PROGRAMME (IJCSP) CALL FOR PROPOSALS-2023**

# LAST DATE FOR SUBMISSION OF PROPOSALS: 6th September, 2023

The Department of Science and Technology (DST), Ministry of Science & Technology, Government of India, New Delhi and the Japan Society for the Promotion of Science (JSPS) conduct the India-Japan Cooperative Science Programme (IJCSP) to promote bilateral scientific collaboration between Indian and Japanese scientists. Applications are invited from eligible Indian researchers /scientists to submit proposals for Joint Research Projects and Joint Workshops/Seminars under IJCSP.

1. **Areas of cooperation**: The support is available to the following scientific areas:
2. Physical Sciences
3. Chemical Sciences
4. Life Science & Agriculture
5. Mathematics & Computational Science
6. Astronomy & Earth Science
7. Materials & Engineering

# Who can apply:

* The joint application must include one Indian and one Japanese Principal Investigators, who would be responsible for technical as well as administrative co- ordination of the project and its periodic scientific and financial reporting to DST/ JSPS respectively.
* The Principal Investigator (PI) and other investigators in India should be scientists/ faculty members working in regular capacity in Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes as well as working in private nonprofit institutions that carry on R&D activities. It is preferred that a member of the project team may be designated as Co-PI. The Indian Principal Investigator (PI) should not be retiring or leaving the parent institute during the proposed duration of the project.
* The Japanese PIs must be full time researchers employed at Universities or other

research institutions recognized by JSPS. Further details in respect of Japanese participants JSPS website ([www.jsps.gov.jp](http://www.jsps.gov.jp/)) may be referred to.

# The Indian applicants 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 31st March 2024 are not eligible to be a member of the research team.**

# Indian and Japanese PIs must submit the same project proposal to the respective Authorities responsible for the implementation of the Executive Programme. Proposals submitted in only one Country will not be considered for evaluation.

* **Projects must refer to activities to be completed within the period of validity of the Executive Programme and must be drafted in English.**
* Each Principal Investigator (PI) must submit one proposal only. All applicants must fulfill national eligibility rules to apply for mobility grants (see below and check national annexes for specific requirements). Proposed collaborations should build on and reinforce already existing research activities between teams in both countries and should contribute with significant added value to these activities. Funding will be granted within the limits of available annual resources of each Party.

# Duration of the Project:

The duration of the projects would be up to two years. (Visits to be completed within one year and 10 months).

#  Kind of support available:

* + The sending side would provide the international travel cost and receiving side will provide local hospitality including accommodation charges, per-diem and local travel.

# DST provides the following support under the Programme:

**Costs for the exchange of researchers and contingency @ Rs 25,000 per year will be financed and NO other support like consumables, manpower or equipment etc should be expected or proposed under the Mobility programme**.

* + For Indian Researchers – Cost of International airfare to and from the designated research location, visa fee, airport taxes, overseas medical insurance premium for the approved visit duration and airport transfers in India.
	+ For joint workshops/seminars to be organized in India, local travel cost of selected Indian participants and organizing expenses may also be considered for support as per DST norms.
	+ For Japanese Researchers – Cost of accommodation in a guest house, per diem and domestic travel expenses in India including airport transfers as per DST norms.

# Guidelines for Proposal Submission

1. **Proposals**
	* Duly filled relevant application forms distributed by Department of Science and Technology (also available on the websites [www.dst.gov.in](http://www.dst.gov.in/) in India and [www.jsps.gov.jp](http://www.jsps.gov.jp/) in Japan) which are approved by the heads of the institutions of the coordinators.
	* Curricula vitae of both research teams.
	* Letter of intent exchanged between the coordinators of the project.

# Submission

* + The deadline for the submission of proposals is **6th September, 2023**.
	+ The Indian researchers can download the proposal formats from websites [www.dst.gov.in](http://www.dst.gov.in/)/ [www.onlinedst.gov.in](http://www.onlinedst.gov.in/) and should submit completed application form and all relevant information. Proposals must be submitted to DST through the e-application system provided at [www.onlinedst.gov.in](http://www.onlinedst.gov.in/) in DST format **ONLY** by **6th September 2023** through proper channel. **It should be ensured that application with identical title has been submitted by his / her Japanese counterpart to JSPS by due date.**

# Proposal submitted only on one side will not be considered.

* + Japanese Principal Investigators need to submit proposals with a matching joint research project / seminars plan to JSPS simultaneously. Japanese Researchers are requested to contact JSPS for their application submission period, documents to be submitted etc.

# Evaluation of Proposals

* + Proposals will be initially evaluated at national level. Project proposals will be evaluated according to the following criteria:

-Scientific relevance of the research project

* + - Methodology and documentation
		- Coherent Qualification of the applicants
		- Added value of the proposed staff exchanges for project activities
		- Added value to the bilateral cooperation
		- Contribution of the project in addressing societal challenges
		- Use and dissemination of results

# Preference will be given to applicants having ongoing national project on same problem and wish to connect with their counterpart through Indo- Japanese joint collaboration to bridge the research gap through mobility grant in accomplishing the objectives of the ongoing national project.

* + Proposals will be evaluated independently by the Department of Science and Technology in India and JSPS in Japan using their own procedures. Decision

towards funding will be mutually agreed based on the gradings (on 1 to 10 scale) received on the two sides. Coordinators are likely to be informed in April/May 2024 about evaluation results. The jointly approved projects are likely to be started in June 2024.

* + Please note that only jointly submitted proposals to DST and JSPS will be considered.

# Publication of Results

**For the Indian side,** the list of selected projects will be uploaded on the DST website **-** [**www.dst.gov.in**](http://www.dst.gov.in/)

# Contact Information

For more details, applicants may contact:

# Dr. Sibashisa Dash,

Scientist ‘C’, International Cooperation (bilateral) Division, Room No. 18 D, S & T Block –I,

Department of Science and Technology, Ministry of Science and Technology,

Technology Bhavan, New Mehrauli Road, New Delhi-110016 Tel: +91 (0)11 2659 0317

Email: sdash.dst@gov.in

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INDIA-JAPAN COOPERATIVE SCIENCE PROGRAMME

**PROPOSAL FOR DST-JSPS JOINT RESEARCH PROJECT**

**FOR PERIOD 2024-26**

*(to be used by the Indian Scientists/ Researchers)*

(**Either Joint Research Project or Joint workshop will be supported, not both**)

Project Ref No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(to be given by DST)

**A. PROJECT IDENTIFICATION**

1. Area Code & Key Words (Please tick √ the appropriate box and also write sub theme/key words):

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | Physical Sciences | (PS) |  |
| 2. | Chemical Sciences | (CS) |  |
| 3. | Life Science & Agriculture | (NS) |  |
| 4. | Mathematics & Computational Science | (MCS) |  |
| 5. | Astronomy & Earth Sciences  | (AES) |  |
| 6. | Materials & Engineering | (MS) |  |

**2.** **TITLE OF THE PROJECT :**

**3. PROPOSED DURATION OF THE PROJECT : \_\_\_\_\_\_\_\_\_ Months**

**4. PROJECT INVESTIGATORS & COLLABORATING INSTITUTIONS :**

**INDIAN PRINCIPAL INVESTIGATOR (PI)**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Department |  |
| Institution |  |
| Postal Address | Contact Phone No. (O) & (M) : Fax: |
| E-mail |  |
| Date of Birth : | Age as on 6th Sept. 2023: | Category-SC/ST |

**JAPANESE PRINCIPAL INVESTIGATOR**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Department |  |
| Institution |  |
| E-mail |  |

5. **INDIAN CO-PRINCIPAL INVESTIGATOR (CO-PI)**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Department |  |
| Institution |  |
| Postal Address | Contact Phone No. (O) & (M) : Fax: |
| E-mail |  |
| Date of Birth |  |

6. **OTHER MEMBERS OF THE INDIAN PROJECT TEAM :**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Name & Designation | Department & Institute | Academic Qualification & Specialization |
|  |  |  |  |

7. **OTHER MEMBERS OF THE JAPANESE PROJECT TEAM :**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Name & Designation | Department & Institute | Academic Qualification & Specialization |
|  |  |  |  |

*Brief Bio-data of Indian and Japanese PIs and other Indian team members highlighting the expertise in the proposed field of work alongwith list of publications highlighting those relevant to the proposed project.*

8. **ONGOING / COMPLETED PROJECTS WITH THE INDIAN PRINCIPAL INVESTIGATOR :**

 **National Projects:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Project Title | Sponsoring Agency | Budget | Status |
|  |  |  |  |  |

**International Projects:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Project Title | Name of the Colloborating Scientist & Institiute | Sponsoring Agency | Budget | Status |
|  |  |  |  |  |  |

**B. TECHNICAL INFORMATION**

1. Objectives *(in bullet form)* :

2. Necessity and the significance of the proposed research exchange with

Japan:

 *( whether the proposed work could be done without the collaboration, if not*

 *please mention the complementary aspects including benefits of the*

 *collaboration)*

3. Past research activities in the relevent area including those with Japan and history of correspondence with the Japanes PI.

4. National & International scenario in the proposed topic/theme of research *(in about 200 words)*, Please provide key bibliographic references.

5. Scientific & technical description of the project including methodology

6. Plan of proposed research and six monthly milestones

*(please describe the project’s colloborative framework, division of work between Indian and Japanese sides, number of exchange visits planned with duration of each visit during each financial year from each side, up to 2 visits per year from each side )*

7. Expected results of the Cooperation *(for example: joint publications, patents etc.).* Are any of the expected results are likely to have commercial value? How do you propose to share it ?:

8**. Duly filled in Check list in the prescribed format.**

9. Any other relevant information:

**C. FINANCIAL AND ADMINISTRATIVE INFORMATION**

TOTAL COST OF THE PROJECT :

*Generally limited to the extent of expenditure on approved exchange visits viz. international airfare for Indian scientists and local hospitality to the Japanese scientists as per approved norms. Major items of expenditure should be met from internal resources of the Implementing Institution or any other sources.*

1. List of equipment and other facilities available in the participating Institutes for implementation of the project :

 *(In case facilities of other institutes are utilised, a consent letter from the these institute(s) may be neclosed)*

2.. Exchange visits and estimated expenditure:

|  |  |  |  |
| --- | --- | --- | --- |
|  **Items of Expenditure** | **1st Year** | **2nd Year** | **Total** |
| **Visits from India to Japan** |
| Number of visits and duration for each visit | 2 visits, max 30 days each | 2 visits, max 30 days each |  |
| International to & fro Airfare by lowest economy class including airport taxes |  |  |  |
| Related local travel in India from city parent institute to nearest International Air Port |  |  |  |
| Visa fee |  |  |  |
| Overseas medical insurance |  |  |  |
| **Visits from Japan to India** |
| Number of visits and duration for each visit | 2 visits, max 30 days each | 2 visits, max 30 days each |  |
| Accommodation in Guest House |  |  |  |
| Per diem @ 2500 per day |  |  |  |
| local travel in India between the host institute and the nearest International Air Port |  |  |  |
| Contingency |  |  |  |
| Total |  |  |  |

*Note :i) The PI is required to submit periodic reports. Continuation in the second year would depend upon its progress assessed by DST. At the end of each financial year, the PI is also required to submit the Utilisation Certificates and Statement of Expenditure in prescribed format.*

 *ii) Visit of one person is to be counted as one visit. (one visit=one person)*

3. Designation and address of the Authorised official in Institute/ University to receive the grant

4. A letter from the Japanese Principal Investigator agreeing with the objectives, work plan including projected visits from both sides should be enclosed.

We hereby certify the statements above to be true and correct.

Signature with Date Signature with Date

Indian Principal Investigator Indian Co-Principal Investigator

 **CERTIFICATE OF HEAD OF THE INDIAN INSTITUTION**

 It is certified that

1) The institution agrees to participate in this joint research project;

2) In the event of the Indian Principal Investigator (PI) leaving the Institute due to retirement or otherwise, the Co-PI would become the PI and be responsible for completing the project and submitting the periodic progress report and financial statements;

3) The institution shall provide infrastructure & available facilities as mentioned above, for implementing the joint project;

4) The institution assumes to undertake financial & other management responsibilities for part of the project work to be carried out in this institution;

5) The breakup funding for manpower, consumables etc. is available to this project;

6) All necessary formalities as per our institution have been completed.

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Signature and seal of the Head of the institution

**PROPOSAL FOR DST-JSPS JOINT WORKSHOPS/SEMINARS**

**FOR PERIOD 2024-2026**

(**Either Joint Research Project or Joint workshop will be supported, not both**)

*(to be used by the Indian Scientists/ Researchers)*

1. BROAD SUBJECT AREA:

1. TITLE OF JOINT WORKSHOPS (WS)/ SEMINARS:
2. DATES : FROM : TO: NO. OF DAYS:
3. VENUE :
4. NAME AND ADDRESS OF WS / SEMINAR COORDINATORS:

|  |  |  |
| --- | --- | --- |
|  | INDIAN COORDINATOR | FOREIGN ORGANIZER |
| nameDESIGNATION:InstituteCONTACT AddresSPINCODEcONTACT PHONE, Mobile & FAX NOSe-MAIL: |  |  |

1. STATUS OF Indian ORGANISING INSTITUTE

*(PLEASE TICK OUT THE APPROPRIATE ITEM)*

Professional Body State Govt.

Registered Society Central Govt.

Pvt. Industry Pvt. College

University Others

1. DESIGNATION OF OFFICIAL EMPOWERED TO RECEIVE FINANCIAL GRANTS *(GRANTS WILL BE RELEASED ONLY IN FAVOUR OF HEAD/ REGISTRAR OF INSTITUTION OR SOCIETY)* :
2. MAIN TOPICS TO BE COVERED AND PROPOSED PROGRAM SCHEDULE
3. EXPECTED OUTCOME:
4. BROAD DETAILS OF ESTIMATED EXPENDITURE (IN RUPEES)

|  |  |  |
| --- | --- | --- |
| Item of Expenditure | Estimated Expenditure | Grant being requested from DST |
| FOR WS/SEMINARS BEING ORGANISED IN INDIA: |  |  |
| TA for Indian Scientists/ Invited Speakers(No. of persons may also be indicated) |  |  |
| Local Hospitality for Other Participants(No. of persons x days and rate for each item may also be indicated) |  |  |
| Organizational Expenses including Food, Pre-conference Printing, Typing, Stationary, transport etc.  |  |  |
| Local Hospitality for Foreign Scientists -accommodation, per diem, local travel/ transport in India etc (No. of persons x days and rate for each item may also be indicated) |  |  |
| Misc (please specify) |  |  |
| **TOTAL (should not exceed Rs 10 lakhs)** |  |  |
| FOR WS/SEMINARS BEING ORGANISED ABROAD |  |  |
| - International to & fro Airfare including airport taxes- related local travel in India- visa fee- Overseas medical insurance |  |  |
| **TOTAL (should not exceed Rs. 10 lakhs)** |  |  |

1. DETAILS OF PARTICIPANTS IN THE EVENT :

a) No. of Foreign scientists:

b) No. of Indian scientists:

*(A list of expected participants may be enclosed. A list of foreign participants along with their passport particulars - Name, Citizenship, Passport number, Date of issue, Place of issue, and Expiry date is to be sent at a later stage but about 2 months before the event)*

1. IN CASE OF WS/SEMINAR IN INDIA, INDICATE WHETHER CLEARANCE FOR PARTICIPATION OF FOREIGN SCIENTISTS HAVE BEEN OBTAINED FROM *(PLEASE TICK OUT THE APPROPRIATE ITEM)*

|  |  |  |
| --- | --- | --- |
|  | Received | Applied |
| Administrative Ministry of the Organizer |  |  |
| External Affairs Ministry |  |  |
| Home Affairs Ministry |  |  |

1. Purpose of the WS/SEMINAR *(PLEASE TICK OUT THE APPROPRIATE ITEM)*
2. Review state of art
3. Formulate specific programme of action
4. Bring out proceedings/papers in the subject
5. Other (Please Specify)
6. BRIEF OBJECTIVE OF WS/ECM HIGHLIGHTING ITS IMPORTANCE IN NATIONAL CONTEXT

Signature of applicant/ Signature of Head of Institution or

Organizing Secretary President/ Secretary of Society

Place:

Date:

# C H E C K L I S T

1. Title of the Project :
2. Initiating Institute of project :
3. Sponsoring Agency/Ministry :
4. Total cost of the project :

 Nature and Quantum of foreign

Collaboration sought

1. Financial support: :
2. Equipment support :
3. Technical support :
4. Manpower training :
5. Miscellaneous :
6. Is there any possibility, however :

 remote of use of data, information

 of result of the work which may

 impinge on India’s national security?

 If yes, the nature of such a use may

 be indicated. (In case the concerned

 scrutinizing Ministry do not have clear

 answer, the matter should be referred

 to the DRDO and MHA for examination).

**II. ORIGIN OF THE PRJECT AND ITS SPONSORS:**

1. If the proposal is foreign-originated,

what is the background of the foreign

agency or organization which is sponsoring

the project? Information available, if any on

past collaboration by foreign agency with

Indian Institution.

1. Are the foreign agency, organization, scientists

concerned, known to have taken up any project of

military significance in the past or are known to be

associated with any military organization or project?

(if the above information is not known or if

there is definite information that there is no

such association, these should be clearly

indicated).

1. Is the proposer (Indian) known to the foreign

collaborator and his group for some time and has

this emerged naturally from the research work

done by the two sides?

….2/-

1. **FUNDING OF THE PROJECT**
2. Is the foreign source know to have

funded research into sensitive and

national security areas in its own

country or in other countries?

1. Are there reasons to believe that the foreign

source is a cover name for some other sponsor?

### **ADMINISTRATION AND CONTROL OF THE PROJECT**

1. Give a list of the likely places of visit :

 within the country planned by the foreign

 collaborator. Also give a list of the

 institutions which the collaborator is likely

 to visit.

12. Will any sensitive source material be

 referred to during the course of the research?

1. (I) Does the collaboration involve
2. Transfer of biological material(s) :
3. Use of radioactive materials :
4. Use of environmentally or otherwise :

 hazardous material(s)

1. Use of Genetically Modified Organisms :
2. Field trials or testing :
3. Ethical issues :
4. Issues related to Intellectual Property :

 Rights (IPR)

1. If answer to any section of question :

13 is yes, are the investigators/ proposers

 aware of the relevant regulations and have

they agreed to abide by them?

1. Will the research be conducted in :

accordance not only with the country’s

own ethical and environmental standards,

but with international standards as well?

Signature with date of the Principal Investigator

Signature with date and seal of Head of Department/ Institute

ECS Details for Electronic transfer of the grant

**International Cooperation Division**

**Department of Science & Technology**

**Bank details for transfer of DST fund electronically**

|  |  |
| --- | --- |
| Account Holders name/ designation |  |
| Name of Bank and address |  |
| Saving Bank Account Number |  |
| IFSC Code  |  |
| MICR Code  |  |

|  |  |
| --- | --- |
| Sanction No. | DST/INT/ (for office use) |
| Name of Principal Investigator |  |
| E-mail (Agency/PI) |  |
| Mobile No. (Agency/PI) |  |

I do hereby certify that the above mentioned account is an **interest bearing account** and I take all responsibility for **declaring the interest** so accrued on the released grant from DST in the SE/UC to be furnished to DST.

**Signature of Finance Authority with seal**

(Please note that Agency name and Account holders name should be identical.)