

CALL FOR PROPOSAL

AUSTRALIA-INDIA STRATEGIC RESEARCH FUND (AISRF) – Round 14

The Indo-Australian S&T Fund is jointly managed by the Australian Government's Department of Industry, Innovation and Science and the Government of India's Department of Science and Technology (DST). As per the Agreement between the Government of Australia and the Government of Republic of India on Co-operation in the fields of Science and Technology on 15 October 1986, the Department of Industry, Science, Energy and Resources (DISER) of the Australian Government and Department of Science and Technology (DST) have decided to continue the collaboration and launch a joint call of Round 14.

The priority areas for collaborative research projects in Round Fourteen of the Indo-Australian S&T Fund are:

- **Quantum technologies**
- **Earth observation remote sensing**
- **Groundwater resources management**
- **Downstream processing, recycling and tailings reclamation of critical minerals**

The call for applications for Round Fourteen will open from 1st July 2021 to 30th August 2021.

Submission of application:

To submit a proposal to DST:

- All documents and forms required for a project application are accessible at www.onlinedst.gov.in
- 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.
- **All project applications must be submitted in the prescribed format of DST. Application submitted in Australian side format will not be acceptable.**
- The deadline for the submission of proposals is **30th August 2021**.
- Proposals must be submitted to DST through the e-application system **ONLY** provided at www.onlinedst.gov.in.
- In addition, Indian Applicants are also requested to send the soft copy of the proposal through e-mail to ujjwala@nic.in by 30th August 2021.
- It should be ensured that application with identical title has been submitted by his / her Australian counterpart to Australia by due date.
- **Proposal submitted only on one side will not be considered.**

Contact Person:

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For detailed guidelines, please visit International Cooperation at

<https://onlinedst.gov.in/Projectproposalformat.aspx>

AUSTRALIA-INDIA STRATEGIC RESEARCH FUND (AISRF)- Round 14

LAST DATE FOR SUBMISSION OF PROPOSALS: 30th August, 2021

PROPOSAL FOR DST-DIIS JOINT RESEARCH PROJECT FOR 2021-2024

(to be used by the Indian Scientists/ Researchers)

Project Ref No. _____
(to be given by DST)

A. PROJECT IDENTIFICATION

1. AREA CODE (Please tick the sub area also in the appropriate box):

| | | |
|------|---|--|
| i) | Quantum technologies | |
| ii) | Earth observation remote sensing | |
| iii) | Groundwater resources management | |
| iv) | Downstream processing, recycling and tailings reclamation of critical minerals | |

2. TITLE OF THE PROJECT :

(Project title must be identical in both the Australian and Indian applications)

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 | |

AUSTRALIA 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 AUSTRALIAESE PROJECT TEAM :

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

Brief Bio-data of Indian and Australiaese 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 |
|--------|---------------|--|-------------------|--------|--------|
| | | | | | |

A. TECHNICAL INFORMATION

Aims and background:

Describe the aims, and list the specific objectives, of the proposed research collaboration in the context of recent international progress in the field of research, detailing how it will relate to, and benefit, work in the field. Refer only to papers that are available to national and international research communities.

Significance and Innovation: Describe

- how the proposed activity is significant;
- the need for the proposed activity to address an important problem; and
- how the anticipated outcomes will advance the knowledge base of the discipline and/or address the problem.

Approach and methodology:

Outline the conceptual framework, design and methods, and demonstrate that these are adequately developed, well integrated and appropriate to the aims of the proposed research collaboration.

Expected outcomes and benefits resulting from the collaboration:

Describe the expected outcomes and the likely impact of the proposed research collaboration including the possible tangible benefits for the two sides, including:

- how the research collaboration might result in economic, environmental and/or social benefits for India and/or Australia; and
- how consortium members will ensure they collaborate effectively over the course of the project.

Roles and research capability of personnel: Summarise:

- the role, responsibilities and contributions of each Chief Investigator/Principal Investigator, Fellow and Partner Investigator, including the proportion of their time each will spend on this activity;
- the leading-edge research capability of the project's Indian and Australian partners which must be demonstrated by evidence of their academic awards and citations as contained in the submitted CVs, and/or other measures of research or innovation excellence (limit 300 words); and
- the roles and levels of involvement of other participants, such as technical staff, including the division of work between Indian and Australian investigators.

References cited:

Include a list of all references/documents cited in support of claims made against Criterion A, within the page limit of 10 A4 pages.

Details of governance arrangements, including intellectual property (IP) provisions.

Provide details of governance arrangements, including use of intellectual property (IP), the proposed ownership of IP generated by the project and strategies for protecting Indian's interests (limit 300 words).

Demonstrate that you have thought about and planned the governance of the project and that set arrangements have been organised around the use of IP. For example a well-structured response will include more than one sentence stating that the Organisation's IP procedures will be followed. Outline how these will be applied in your application and make it clear to the assessors that a sound governance structure is in place

B. Describe why collaboration between the Indian and Australian partner organisations is integral to achieving the outcomes of the proposed research project

C. FINANCIAL AND ADMINISTRATIVE INFORMATION

TOTAL COST OF THE PROJECT :

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.

| Items of expenditure | I Year(Rs.) | II Year(Rs.) | III Year (Rs.) | Total(Rs.) |
|--|-------------|--------------|----------------|------------|
| a)Manpower | | | | |
| b) Equipment (please give quotations) | | | | |
| c) Consumables (please give quantification) | | | | |
| Visits by Indian scientists to Australia | | | | |
| No. of visits & duration | | | | |
| International air-fare by lowest economy class including airport taxes and airport transfers in India | | | | |
| Medical Insurance (silver class) | | | | |
| Visa Fee | | | | |
| Visits by Australian scientists to India | | | | |
| No. of visits & duration | | | | |
| Accommodation Charges (Institution guest House as per actual) | | | | |
| Per diem @ Rs.2,500/- per day-per-person (in lieu of food & local transport) or Rs 25,000/- per month for student researcher | | | | |
| Total | | | | |
| Contingency | | | | |
| Overhead | | | | |
| Grand total (Rs.) | | | | |

- (a) Please indicate the designation of manpower like JRF, RA etc. including their monthly emoluments as per DST guidelines if any.
- (b) Details of consumables including name and quantity is to be provided with full justification.

Note :i) The PI is to required to submit periodic reports and its 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.

iii) Overhead is calculated excluding travel grant and as per DST norms

3. Designation and address of the Authorised official in Institute/ University to receive the grant
4. A letter from the Australian Principal Investigator agreeing with the objectives, work plan including projected visits from both sides may be enclosed.
5. For transferring the money through electronically (ECS), registration with Central Plan Scheme and Monitoring System (CPMS) is mandatory, therefore, you are required to provide us Name of the Agency (Full name), Name and Designation of A/C holder (as per Bank A/C), Bank Account No., Bank Name and Branch Address, IFSC Code. On receipt of these information the finance division of DST will release the grant to implement the project.

(ECS format attached)

For registering log on to www.cga.nic.in (ECS detail)

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

Signature with Date
Indian Principal Investigator

Signature with Date
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.

Signature and seal of the Head of the Institution

CHECKLIST

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
 - (i) Financial support: :
 - (ii) Equipment support :
 - (iii) Technical support :
 - (iv) Manpower training :
 - (v) Miscellaneous :
5. 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 PROJECT AND ITS SPONSORS:

6. 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.
7. 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).
8. 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/-

FUNDING OF THE PROJECT

9. Is the foreign source known to have funded research into sensitive and national security areas in its own country or in other countries?
10. Are there reasons to believe that the foreign source is a cover name for some other sponsor?

ADMINISTRATION AND CONTROL OF THE PROJECT

11. 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?
13. (I) Does the collaboration involve
 - a) Transfer of biological material(s) :
 - b) Use of radioactive materials :
 - c) Use of environmentally or otherwise : hazardous material(s)
 - d) Use of Genetically Modified Organisms :
 - e) Field trials or testing :
 - f) Ethical issues :
 - g) Issues related to Intellectual Property Rights (IPR) :
14. 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?
15. 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

PROJECT SUMMARY

1. Project Title:
2. Total cost of the project (Indian side) (in Rs.):
3. Duration of the Project.
4. Project Investigators (PIs) and Co-Investigators:
 - 4.1 Indian PIs
 - 4.2 Foreign
5. Other Project participants:
 - 5.3 Indian
 - 5.2 Foreign
6. Implementing Agencies / Institutions:
 - 6.1 Indian
 - 6.2 Foreign
7. Sponsoring Agency / Department / Ministry
 - 7.3 Indian
 - 7.2 Foreign
8. Administrative Ministry in Government of India:
9. Has the Project been cleared by Secretary of the Administrative/
Sponsoring Ministry/Department from security/sensitivity angle?: Yes/No
10. If answer to (9) above is 'No', then does the Administrative/
sponsoring Ministry/Department recommend the Project to
be considered by High Level Committee of Secretaries? Yes/No

Signature of the concerned Officer
in the Administrative/Sponsoring
Ministry/Department

ECS Details for Electronic transfer of the grant

**International Cooperation Division
Department of Science & Technology
Bank details for transfer of DST fund electronically**

| | |
|--|----------------------|
| Agency name as registered with PFMS/EAT Module | NA if not registered |
| Agency Code as per PFMS/EAT Module | NA if not registered |
| 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.)
