



इलेक्ट्रॉनिक्स एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
**ELECTRONICS AND  
INFORMATION TECHNOLOGY**  
सत्यमेव जयते

**Joint call for proposals  
under  
MeitY-NSF Research  
Collaboration**



**APPLICATION DEADLINE – 05.01.2024**

**Guidelines for Submitting Collaborative Proposals under the Ministry of Electronics and Information Technology (MeitY) of Government of India and U.S. National Science Foundation (NSF) Collaborative Research Opportunities**

Ministry of Electronics and Information Technology (MeitY), Government of India and National Science Foundation (NSF) of U.S have signed an Implementation Arrangement (IA) on Research Collaboration. This MeitY – NSF collaborative research opportunity focuses specifically upon discoveries and innovations in areas of mutual interest and listed in participating NSF programs that develop new knowledge in all aspects of potential research areas as indicated below. Technology development/demonstrations may be in terms of development of prototypes, pilot scale demonstrations, field deployment, and other efforts to accelerate technology transfer. Proposing teams of U.S. and India investigators are strongly encouraged to develop appropriate partnerships with testbed providers, local communities, and industry partners to ensure that resources and expertise are available for the success of their project.

**Potential Areas of Research**

MeitY and NSF invite active Indian and US scientists / researchers to submit proposals for Joint Research Projects of mutual interest listed in participating NSF programs that are focusing on the following potential areas of research:

- Semiconductor Research
- Next generation communication technologies/networks/systems
- Cyber-Security
- Sustainability and green technologies; and
- Intelligent transportation systems.

Proposals submitted in other research areas may not be considered in this Call for proposals.

## Eligibility for Indian Applicants

- The Chief Investigator (CI) 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 non-profit institutions that carry R&D activities. The Indian Chief Investigator (CI) should not be retiring or leaving the parent institute during the proposed duration of the project.
- Number of proposal submission for Indian investigators as PI is limited to one per call while they can involve as Co-CIs in maximum of two proposals.
- The Indian scientists who are in any way involved in the implementation of two or more projects that were previously supported by the MeitY under the MeitY-NSF Research Collaboration are also not eligible to be a member of the research team.
- Proposals submitted with industry letters of collaborations (including cash and in-kind contributions) will be encouraged. Limit to 3 letters per proposal, each of maximum 1-page.
- Prior to award issuance, the collaborating institutions of the proposal recommended for potential funding will be notified. The recommended teams must submit to NSF and MeitY a copy of the signed agreement between the institutions and/or industry partners on protection and distribution of intellectual property (IP), copyrights, and rights of use resulting from the recommended NSF-MeitY project.

Note1: This signed agreement is NOT needed at the time of proposal submission.

Note2: MeitY's Chief Investigator or CI is similar to Principal Investigator or PI at NSF.

## Guidelines

- (i) MeitY and NSF will allow investigators from both countries to collaborate to write a single proposal that will undergo a single review process at NSF, the Coordinating Agency.
- (ii) Proposals must represent an integrated collaborative effort between the India and US investigators. Proposals are expected to adhere to the research areas, funding limits, and grant durations for the participating NSF programs and for the MeitY programs from which funding is sought. Investigators are advised that all documents submitted to MeitY or NSF may be shared with the other agency in order to implement the two-way agency activities.
- (iii) The proposal should describe the full proposed research program, including the total Indian and U.S. resources that will be part of the project. NSF investigators should indicate only the NSF expenses in the NSF budget. MeitY investigators should indicate only the MeitY research expenses on the MeitY budget form. The MeitY budget and budget justification must be included in the NSF proposal as a Supplementary Document. The Budget section of the MeitY proposal

should clearly indicate the MeitY budget with full justification. Proposals that request duplicative funding may be returned without review.

- (iv) Indian and US Investigators should submit identical Summary, Description and References in their proposals, using the respective forms prescribed by MeitY and NSF. Applications submitted by one side only; not on prescribed format or received after due date will not be accepted. Indian/US Investigators should, therefore, ensure that their counterpart submits an application with identical components as described above, on prescribed format as per guidelines of nodal agencies by due date.
- (v) Title of the project submitted on both systems should be identical.
- (vi) All proposals should be supported with brief bio-data of entire project team members indicating their affiliation, date of birth, highlights of academic and research activities / awards. For US investigators, date of birth is not required and their bio-sketches must be as per NSF guidelines.
- (vii) Through this partnership, India researchers may receive funding from MeitY and U.S. researchers may receive funding from NSF respectively.
- (viii) Selected Projects of Indian CIs will be supported up-to 50 million Indian rupees by MeitY and up-to \$600,000 to US CIs by NSF for duration up-to three years depending on the project.
- (ix) The proposals will be reviewed by experts contacted by NSF, the Coordinating Agency, in competition with other proposals received for the same funding round of the program to which the proposal is submitted, using NSF's merit review process. MeitY will check that the Indian investigator has an active and appropriate role and confirm their eligibility at the onset of the process. The detail of Terms of Reference (ToR) for GIA through MeitY is placed at the site. <https://www.MeitY.gov.in/content/schemes-policies>
- (x) The Data Management Plan must include mechanisms for sharing and archiving data including, experimental data, results, and software developed and their associated privacy and security aspects.
- (xi) For projects involving human subjects/participants or vertebrate animals, investigators should follow both MeitY and NSF policies, submitting documentation to each as appropriate.

### **How to apply**

The Indian researchers can download the proposal formats from website <https://www.meity.gov.in/content/announcement-1st-joint-call-porposal-under-meity-nsf-research-colaboration> and should submit completed application form through MyGov portal with all relevant information by **05.01.2024**. It should be ensured that application with identical title has been submitted by his / her US counterpart to NSF by due date. Proposal not submitted through MyGov Portal (<https://www.mygov.in/task/joint-call-proposal-under-meity-nsf-research-collaboration/>) by due date will not be considered.

### **Documents Required for Indian Investigators (PDF only)**

- Complete Project Proposal (Annexure I)
- Certificate from Investigator(s) (Annexure II)
- Endorsement from the Head of Organization (on letter head) (Annexure III)
- Conflict of Interest (Annexure IV)
- Biodata of entire project team members (Max: 3 pages per Investigator) including date of superannuation / tenure completion, their affiliation, date of birth, field of specialization, highlights of academic and research activities / awards, significant accomplishment etc., in a single pdf file.

Questions about this Call for Proposal may be directed to [nsf-jointresearch@meity.gov.in](mailto:nsf-jointresearch@meity.gov.in) and [india-collaboration@nsf.gov](mailto:india-collaboration@nsf.gov)

Sincerely,

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### Contact Detail

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