

**GOVERNMENT OF INDIA**  
**MINISTRY OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
Technology Mission Division (EWO)

**Call Inviting Proposals**

**Integrated Technology Interventions for Sustainable Environment**

**1. Preamble**

Several parts of the country are facing severe environmental challenges. These challenges can be effectively addressed by indigenous research led technological solutions, provided these technologies are packaged innovatively to deliver sustainable solutions. Implementation of such successful technological solutions at appropriate scale would have direct impact on the quality and economic life of the citizens. Science, technology and innovation strategies are integral parts of sustainable development policy. Proposals on environmental technology interventions for sustainable development need to address applied research and innovation, supported by stakeholders and transfer of technology for the societal benefits. As a society, it is required to identify environmental challenges (eg. energy, water, air etc) and develop solutions through science and engineering and implement through governance, the technological, economic and social measures that will set a course towards the achievement of a desirable, sustainable and secure future.

**2. Objective of Call:**

Technological solutions for sustainable environment are interdisciplinary and multi-dimensional in nature. Integration of such solutions is the need of the hour. This call aims to mount/integrate S&T interventions specifically to address prevalent environmental (energy, water & air) challenges for improvement in environment. Keeping the above in mind and with an intention of applying technology to improve the living conditions, the location and demand of intervention should in the first place be clearly identified in the proposal. The participation of user agency should be ensured right from the beginning for designing and implementation of such solutions. These successful research leads and solutions are expected to generate best practices for wider adoption for mitigating similar challenges across the country.

**3. Eligibility**

The proposals have to be submitted in the consortium mode only. The consortium is to be lead by faculties/scientists working in regular position in recognized Academic Organization /Public funded R&D Institution/ Laboratories. Central Government / State Government supported or recognized (Public or Private) academia, National / State funded R&D Labs in partnership with S&T based voluntary organization, DSIR recognized SIRO organization, autonomous central and state government agencies,

etc may form consortium. Financial and technical participation of corporate houses as part of their CSR activities under Section 135 of the Companies Act 2013 will also be encouraged. The consortium should essentially include at least a user having stake and interest in the intervention, a solution designer and a solution provider. The role of solution designer and provider can be assumed by the same organization, if the organization has required expertise and experience.

**4. Duration :** 3 years maximum

- 5. Project cost:** Project cost should commensurate with the activities planned and due justification may be provided. Appropriate cost schedules may be followed for civil construction of project work, wherever needed.

**6. Call Dates**

**Call Opening Date :** 30.12.2019

**Call Closing Date :** Proposals submitted by 31.03.2020 will be evaluated by June 2020

No proposals will be entertained after 31.03.2020

**7. Proposal Formulation:**

The applicants are encouraged to identify current challenges/needs in identified locations (including aspirational districts and locations majorly inhabited by SC/ST population) and propose technological intervention/s to address the identified challenge/s in consultation with stakeholders. The relevance of the intervention should be based on specific survey or study conducted to identify needs of the location chosen. The formulation exercise would typically involve collecting site specific conditions and assessing holistic requirement. Scouting of technology options developed will be an integral part of formulating the proposal. The implementation and sustainance methodology post intervention also needs to be explicitly stated and elaborated alongwith suitable undertaking /commitments from local bodies/stakeholders. This is mandatory requirement for submission of proposal.

**8. Criteria for evaluation**

The technology solution, proposed, should necessarily be developed through indigenous research initiative and need to have been tested in lab environment and demonstrated in field at certain scale. The proposals would generally be evaluated based on the following criteria:

- i) Demand of proposed solution and its potential superiority over existing options.
- ii) Technical feasibility, social acceptability, and environmental soundness
- iii) Potential sustainability of intervention.

iv) Stakeholders involvement including community rooting.

DST at the behest of Expert Panel may introduce any other criteria considered to be critical for successful implementation of the project.

## 9. Proposal Format and Submission:

Proposals are accepted **only online** at e-PMS under Technology Mission Division in the prescribed format till office time on closing date of proposal. Proposal format can be downloaded from Website <https://onlinedst.gov.in/Login.aspx> . Go to: Schemes And Formats: Technology Mission Division: Integrated Technology Interventions for Sustainable Environment: Download Call format. The proposal in any other formats will be summarily rejected. Kindly comply with the instructions as mentioned below during online submission of proposal:

- a. Under **Coordinator** tab: In **Co-coordinator List**- Please ensure to mention the details of all the persons involve in the project including collaborator .
- b. Under **Suggested Referees** tab: At least 3 referees are mandatory to be mentioned
- c. Under **Ongoing projects** tab: Declared those projects related to the Principle investigator.
- d. Under **Submission** tab: **Certificate from PI (PDF Max 800 Kb)**: Please ensure certificate of all PI's and Co-PI's in the project team should be merged together and uploaded as a single pdf document.
- e. Under **Submission** tab: **Endorsement from Head of Institute (PDF Max 800 Kb)**: Please ensure that certificate from relevant institutes (if any) of all PI's, Co-PI's ,collaborators ,Letter of Intent from beneficiary ( as applicable for selected stream) of project should be merged together and uploaded as a single pdf document.
- f. Nomenclature for soft copy of Project proposal document: (PI first name –Institute -City) eg; if PI name is Dr. Anil Kumar and his affiliation is National Institute of Technology, Raipur then soft copy file name is Anil-NIT-Raipur.docx /Anil-NIT-Raipur.pdf .

It is advised to submit the proposal at the earliest and not wait till last moment, as submission of proposal on the closing day of call may hamper due to congestion on server.

Two (2) hardcopies of uploaded proposal should also be sent to Dr. G.V Raghunath Reddy, Scientist 'E', Technology Mission Division (E&W), Department of Science & Technology (DST), Technology Bhavan, New Mehrauli Road, New Delhi- 110016 by Speed Post and reach before the closing date of the call. The envelope should be superscribed with the **“Call for proposals for Integrated Technology Interventions for Sustainable Environment”**.

**10. For online submission problem :** Contact Portal Help-Desk Executive at 011-26590604/384.

**11. For any other Information:** Contact Programme officers: Dr. G.V Raghunath Reddy, Scientist 'E', Technology Mission Division (E&W), Department of Science & Technology (DST), Technology Bhavan, New Mehrauli Road, New Delhi- 110016 ( Ph 011-26590604/011-26526229).