

Ministry of Earth Sciences (MoES)
Government of India

Expression of Interest - Risk Reduction in High Mountain Regions of the Himalaya

Scope of the Call: The Ministry of Earth Sciences (MoES) aims to promote an integrated approach in addressing the accelerated risks in the High Mountain Regions of the Himalaya, with a focus on risks related to permafrost degradation, Glacial Lake Outburst of Floods (GLOFs) and snow and ice avalanches. MoES is keen to involve scientists/researchers working in the Indian Himalayan Region (IHR) for innovative ideas and strategies to provide real-time solutions (including indigenous early warning systems) for the above-mentioned cryosphere hazards using current state-of-the-art technology.

The Ministry of Earth Sciences (MoES), under the PAMC Hydrology and Cryosphere of the REACHOUT scheme, invites **Expression of Interest (EOI)** (format in Annexure I) from Universities, Research/Academic institutions, as well as non-governmental organizations in the country for focused research in the following thrust areas:

1. Mapping and monitoring of cryospheric hazards
2. Modelling cryospheric hazards for vulnerability and risk assessment
3. Developing risk reduction techniques for cryospheric hazards

Targeted Study Area:

The individual EOIs may be submitted in any one of the above-mentioned research areas, focusing on one of the Himalayan states, namely, Uttarakhand, Himachal Pradesh, Sikkim and Arunachal Pradesh or union territories, namely Ladakh and Jammu & Kashmir.

Evaluation of EOIs and Final Project Submission:

This shall be a two-step process. Firstly, the EOIs received under this Call shall be assessed and evaluated. Secondly, the investigators of the selected EOIs will be asked to submit full-fledged research proposals, which shall again be peer-reviewed and evaluated. PIs of the selected projects will be invited to present the proposal before the PAMC. Decision to fund projects will be taken based on the recommendations of the PAMC.

The project outcomes/applications developed by the supported proposals will be transferred to the MoES for real-time use/applications before the closure of the project.

Guidelines and deadlines:

1. The duration of the project could be **3 to 5 years**.
2. Page Limit of EOI: **4 pages**
3. Please submit your EOI online to **pamc.hydrocryo@gmail.com** in the format mentioned in **Annexure I**
4. The last date for receiving the EOI is **10 Feb. 2024**.
5. Kindly note: Only those PI(s) who communicate their EOI within the above-mentioned deadline will be considered for invitation for a full proposal. However, sending the EOI does not guarantee acceptance of the project proposal by the Ministry.
6. For any further queries, please contact:
Dr Aparna Shukla,
Scientist E, Ministry of Earth Sciences
Email ID: aparna.shukla@gov.in
Phone: 011-24669541

Annexure I

1. Details of Principal Investigator (PI) and Co-PI (Name, Designation, Affiliation)
2. Thrust Area
3. Study area (one of the Himalayan states/Union territories)
4. Title of the project
5. Keywords
6. Project Details which include the following:
 - i. State of knowledge (both at national and international level) (< 500 words)
 - ii. Hypothesis/Objectives
 - iii. Methodology (< 500 words)
 - iv. Experience of PI/Co-PI in the subject of the proposal
 - v. Time-activity Plan
 - vi. Anticipated deliverables

NOTE: Proposal to be submitted in Arial font with font size 11 and 1.5 spacing