

# **Research Project/Study on Disaster Management: Innovation & Action Research**

## **CALL FOR RESEARCH PROPOSALS**

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT,  
(MINISTRY OF HOME AFFAIRS, GOVERNMENT OF INDIA),  
PLOT NO. 15, POCKET-3, BLOCK-B, SECTOR-29, ROHINI,  
DELHI-110042**

**Website: <https://nidm.gov.in/>**

## **DETAILED GUIDELINES**

### **Research Project/Study on Disaster Management: Innovation & Action Research**

The following are the research area & case studies for submission of research proposals:

Disaster Insurance and Risk Financing	<ul style="list-style-type: none"> <li>i. Institutional and financial determinants of disaster preparedness.</li> <li>ii. Pricing of disaster risk in existing taxation structure of local bodies</li> <li>iii. Financial strategies for disaster Mitigation, Recover &amp; Reconstruction initiatives by the States, UTs &amp; Local bodies.</li> </ul>
Landslides	<ul style="list-style-type: none"> <li>i. Effects of land-use change on slope stability in mountainous terrain.</li> <li>ii. Predictive modelling of cloudburst–landslide–subsidence interactions in Himalayan regions.</li> <li>iii. Indigenous vegetation and bioengineering methods for slope stabilization and ecological restoration.</li> </ul>
Earthquakes	<ul style="list-style-type: none"> <li>i. Site response survey/site characterization study of NCR districts for seismic risk reduction.</li> <li>ii. Earthquake risk and vulnerability assessment to support resilient infrastructure planning.</li> <li>iii. Development and optimization of earthquake monitoring systems, model centre, and characterization of seismogenic faults.</li> </ul>
Floods & Riverine Hazards	<ul style="list-style-type: none"> <li>i. Financial viability of monetising desilting of rivers / dams &amp; reservoirs.</li> <li>ii. Hydrological and hydraulic implications of channel/drainage clogging by silt, vegetation, and plastic.</li> <li>iii. Development of last-mile early warning as a service model for micro-level flood forecasting.</li> </ul>
Cyclones, Coastal Hazards & Marine Ecosystems	<ul style="list-style-type: none"> <li>i. Disaster resilience pathways for fishing and tourism-dependent coastal communities.</li> <li>ii. Strategies for financing coastal erosion prevention infrastructure.</li> </ul>
Forest Fires	Early Warning as service model: Remote sensing, UAVs/drones, GIS, and AI-based early warning and response models for forest fires, including jhum-affected landscapes.
Hazards- Society	<ul style="list-style-type: none"> <li>i. Pilgrimage-related DRR: carrying capacity based hazard-sensitive planning and sustainable pilgrimage models.</li> <li>ii. Gaps in existing Mental Health and Psychosocial Support (MHPSS) systems in disasters and pathways for reform.</li> <li>iii. Gaps in Early Warning Systems (EWS) for flood.</li> <li>iv. Mitigation strategies for disasters.</li> </ul>

## Eligibility

- i. Scientists/ Engineers/Faculty members holding a permanent position or eight years of experience in the case of contractual/ad-hoc employees in R&D Institutions, ATIs of State government, and recognized Academic Universities/ Institutions can submit the proposal as Principal Investigator (PI) for Research Projects.
- ii. Co-principal Investigator(s) (minimum three years experience) may be from the same/ different Institution. However, satisfactory completion of the project (if approved) will be the responsibility of the PI and her/his Institution/Organization.
- iii. The PI and Co-PI(s) should be domain experts in the area in which the proposal is submitted. The evidence of publications, patents/copyrights, and projects carried out is required to be produced.
- iv. **NIDM may depute one of the faculty members as Co-Principal Investigator (Co-PI) for the research project/study, who will monitor the project/study as per expertise.**
- v. **In case of universities/institutions, parent organization of the PI must be a member of the India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR-NIDM).( Link to list of members: <https://iuindrr.nidm.gov.in/MemberList>).**

**Total seats: 5**

**Duration of project/study: 1-2 years**

## Selection Procedure and Criteria

Proposals received by NIDM in prescribed format will be scrutinized and shortlisted based on the novelty of the proposal, the usefulness and relevance to NIDM, Government, relevance for States and Districts, and the larger public interest. Shortlisted proposals may be invited for a presentation before the NIDM Academic Research Council for final selection. The Principal Investigator and Co-Principal Investigators shall cooperate with the Academic Research Council (ARC) constituted by NIDM, for the revision of their research proposal (if required).

## Financial Support

- i. Financial support up to an amount of INR 8 Lakh shall be provided by NIDM.
- ii. Payment will be credited to the account of the parent institution of the Principal Investigator as per details provided in application format.
- iii. A separate non-interest account in joint ownership of PI and parent institution must be created as per timeline specified by NIDM for transfer of research grant installments.

S.No.	NIDM Grant	Deliverables
1.	25 %	Submission of inception report ( <b>Annexure –IV</b> ) by PI & Co-PI
2.	37.5 %	Submission of Progress report ( <b>Annexure-III</b> )
3.	37.5%	Submission of final project/study/research

- iv. It is envisaged that the existing equipment and computing resources (hardware, software) in the Parent Organization of the Principal Investigator and Co-Principal Investigator(s) will be used and the proposed budget estimate covers the direct costs only such as manpower cost (supporting staff), data cost, field visit, etc.
- v. The amount allocated under the head travel/field work is to be utilized for the data collection and collection of other information such as documents, visits to libraries, etc., within the general scope and sphere of the ongoing project. This should not be used for attending conferences, seminars, workshops, training courses, etc. The PI may travel by the mode of transport as per his/her entitlement in the Organization/ Institution restricted to the allocation under the concerned head.
- vi. The Principal Investigator/Institution is required to settle the project account immediately on completion of the project/study. In case the balance grant, if any, is not claimed within six months from the date of completion of the project/study, the same will lapse and no representation will be entertained in this behalf.

## Other Terms and Conditions

- i. NIDM reserves the right to scrutinize or reject any or all the proposals received in response or suggest modifications to the proposal.
- ii. **NIDM reserves the right to choose any project/study proposal received, depending upon need, the novelty of intended applications, innovative science, suitability, deliverables, and merits. The decision of NIDM shall be treated as final.**
- iii. Any/all Intellectual Property Rights (IPR) such as patents, copyrights, design rights, etc., acquired by the grantee institute/organization of the PI, shall be jointly owned by NIDM and any other associated ministries/institutions.
- iv. NIDM reserves the right to revoke in part or in whole its support for a project/study at any time without assigning any reason.
- v. It shall be declared and ensured by the PI of the selected project/study proposal that any/all analysis conducted as part of this project/study shall not use any pirated/unlicensed copy of the analysis software used.

- vi. Scientific results obtained as part of the project/study proposal by PI and Co-Investigators, shall not be allowed to be used for marketing/commercial/business purposes without the prior permission of NIDM. NIDM reserves the right to accord permission on such cases, considering the overall national interests.
- vii. Both parties will ensure appropriate protection consistent with the laws, rules, and regulations of India. Any disputes will be subject to the jurisdiction of Delhi only.
- viii. The Proposal shall give a declaration that if the proposal is selected for funding by NIDM, PI, and Co-PI shall not submit the same proposal for funding support from other agencies. However, collaboration with other ministries or government institutions is permitted and needs to be mentioned at the time of submission of proposal.
- ix. Acknowledgment of NIDM support/funding must be made in all reports including publications arising out of the project/study. Copies of all publications resulting from these research projects/studies must be submitted to NIDM.
- x. One soft copy and hard copy of the report/study/innovation/scientific tool will have to be submitted to NIDM after completion of the project/study.
- xi. **Two Research papers have to be published by PI & Co-PI(s) before submission of the final report in a National or International journal having a high impact factor and/or are UGC-CARE listed, with the acknowledgment of NIDM.** This requirement may be relaxed in cases where the project involves innovation or the creation of novel/scientific contributions.
- xii. **Satisfactory completion of the project/study will be the responsibility of the PI and his/her parent institution/organization. An extension of 6 months may be granted for completion of project without further financial assistance/support from NIDM subject to approval of Competent Authority of NIDM.**
- xiii. The approved fund must be utilized solely for the purpose for which it has been granted unless NIDM agrees otherwise. A Utilization certificate that the funds have been used for the purpose which it was granted must be produced by the grantee Institution with each progress report & at the completion of the project.
- xiv. NIDM may depute scientists/ experts to visit the grantee institution periodically, for reviewing the progress of work.
- xv. NIDM may engage the services of the PI/Co-PI(s) for taking sessions & development of module subject to the approval of Executive Director, NIDM. TA/DA shall be payable as per NIDM norms.
- xvi. **Any changes in the terms and conditions of the sanctioned project must be made after the approval of NIDM.**

### Special note:

- i. The Research proposal and final report should be in either English/Hindi.
- ii. **Any person engaged in the research project/study shall not be treated as a employee of the NIDM in any manner. The responsibility of engaging any person under the research project will be of PI & his/her institution only.**
- iii. There should not be any duplication/overlapping with the evaluation studies carried out by any Government Agency or any Institution/ Organization/NGO.

- iv. The Institution or the Principal Investigator or their research staff associated with the project/study shall not share the data collected for the assigned research study with any other person/organization without the prior approval of the NIDM. The research study shall not be used by the Principal Investigator or his Research Associates or anybody else for the preparation of any doctoral thesis/ dissertation or for attainment of any other degree/diploma or publication(s) without the prior approval of the NIDM.
- v. The Institution or the PI shall make suitable arrangements for the safe custody of raw data and other documents related to the study for a period of five years after completion of the research project/study. NIDM may ask for perusal/review of raw or processed data at any time.
- vi. In case of non-compliance of terms and conditions as laid down in the approval letter, or in case of the unsatisfactory progress of the work, the project/study may be cancelled at any time. The concerned organization will have to bear all responsibilities regarding any discrepancy and irregularity in the funding with respect to the approved project/study.
- vii. It is important for the PI and their institution to maintain open communication with NIDM throughout the duration of the project.
- viii. In case of change of institution of PI, they would be required to submit an NOC from both former parent university/institution, and the current institution where the PI has joined.

#### **LIST OF REQUIRED DOCUMENTS TO BE ATTACHED WITH APPLICATION**

- |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>i. Duly-filled application form (Annexure-I)</li><li>ii. Curriculum vitae of Principal investigator and team members (<i>maximum 2 pages each including educational qualifications, employment history, projects undertaken, if any; recent peer-reviewed publications, and any other relevant information</i>)</li><li>iii. Any other documents in support of application</li></ul> |
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One soft copy (as a single PDF document) of the required documents in the requisite format should be sent by email to [researchiuin.nidm@nidm.gov.in](mailto:researchiuin.nidm@nidm.gov.in) and one hard copy by post (Speed/Registered post) to the following address:

**Executive Director,**

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT,  
(Ministry of Home Affairs, Government of India),  
Plot no. 15, Pocket-3, Block-B, Sector-29, Rohini, Delhi -110042**

**NOTE: APPLICATIONS EXCEEDING PAGE LIMITATIONS AND INCOMPLETE IN ANY RESPECT WILL BE REJECTED.**

**APPLICATION FORM**

**RESEARCH PROJECT/STUDY ON DISASTER MANAGEMENT: INNOVATION & ACTION  
RESEARCH**

**PART A**

**Details of Principal Investigator/Co-Investigator(s)/Institution**

I. Name of Principal Investigator:

II. Designation and Name of organization:

III. Years of experience:

IV. Type of employment(*regular/contractual/ad hoc/guest/deputation/other*):

V. Highest educational qualification and specialization

VI. Website of parent organization/institution/university:

VII. Type of institution: Government/Private/NGO/Other (*Please specify*)

VIII. Level of institution: International/national/state/other (*Please specify*):

IX. Address of institution:

X. Affiliating body:

XI. Whether institution is a member of IUINDRR-NIDM: *Yes/No/Not applicable*

XII. IUINDRR-NIDM membership no.(*if applicable*):

XIII. Number of projects presently being handled by applicant(*if any*):

XIV. Details of Co-Investigator(s):

S.No.	Name	Designation	Department	Institution	Email id and contact no.

XV. Email id:

XVI. Contact number:



**PART B**  
**Details of Proposed Research Project/Study**

I. Project/study topic

II. Research area

III. Abstract (*max 300 words*)

IV. Objective (*max 4 points*)

V. Rationale of the project/study (*500 words*)

VI. Scalability and relevance of the project/study in the field of DRR (*100 words*)

VII. Usefulness for State and District level (*200 words*)

VIII. Relevance and expected outcomes (300 words)

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IX. Estimated duration of proposed project/study:

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**Proposed schedule**

Period of project/study	Achievable targets
6 Months	
12 Months	
18 Months	
24 Months	

X. Total estimated cost of proposed project/study:

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XI. Financial component

S. No.	Cost Head	Financial estimate

**Signature of PI**

**Signature of Co-Investigator(s)**

**Signature and Seal of Head of Institution**

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**ACCEPTANCE LETTER**

**AWARD OF NIDM RESEARCH PROJECT/STUDY ON DISASTER MANAGEMENT:  
INNOVATION & ACTION RESEARCH FOR F.Y. \_\_\_\_\_**

**To,**

**The Executive Director  
National Institute of Disaster Management,  
(Ministry of Home Affairs, Government of India),  
Plot no. 15, Pocket-3, Block-B, Sector-29, Rohini, Delhi -110042**

With reference to NIDM's award/sanction letter ....., dated..... for the Research project/study on the topic....., the undersigned as a PI/Co-PI(*tick applicable*) accept all the Terms and Conditions of the Research Project/Study on Disaster Management: Innovation & Action Research of NIDM for the F.Y. 20....- 20.....

The date of registration to the research project/study is..... The account details of the parent university/institution are .....for receiving of research grant during the tenure and a copy of the same is attached herewith along with KYC.

**DECLARATION**

**I hereby declare that I shall comply with all the conditions of the Research Project/Study on Disaster Management: Innovation & Action Research as specified in the detailed Terms of Reference. I may be liable to legal action and return of grant amount in case of misconduct/ non-completion or non-submission of research deliverables to the NIDM. Further, I submit that the details & information given in the Research Project/Study proposal are true & factual.**

**Signature of PI/Co-PI  
Date:**

**Verified by**

**Accounts Officer of parent institution**

**Seal/Signature of Registrar**

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**BI-ANNUAL PROGRESS REPORT FOR RESEARCH PROJECT/STUDY**

1. **Project/study title:**
2. **PI (name and affiliation):**
3. **Co-PI(s) (name and affiliation):**
4. **Start date of project/study:**
5. **Duration of project/study:**
6. **Time Elapsed:**
7. **Interim modifications to objectives/methodology (with justification):**
8. **Detailed progress of work carried out during the period \_\_\_\_\_ to \_\_\_\_\_  
(max 2 pages):**
9. **Research work which remains to be done under the project/study:**

<b>Period of project/study</b>	<b>Achievable targets</b>
Next 6 Months	
Next 12 Months	
Next 18 Months	

10. **Financial component- Utilization of fund with justification (max 1 page):**
11. **Requirements and remarks (if any):**
12. **Publication on related subject (if any):**

**Sign of PI and Co-PI(s)**

**Sign and seal of Head of Institution**

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**INCEPTION REPORT**

**Suggestive Format for List of Contents**

1. Introduction
  - i. Background
  - ii. Problem statement
2. Objectives and principal research question
3. Scope of project
4. Stakeholders
5. Approach, methodology, and activities
6. Timeline and delivery schedule
7. Planning and reporting mechanism
8. Research team
9. Assumptions, risks, dependencies
10. References