



**National Mission on Himalayan Studies (NMHS)**

**2<sup>nd</sup> Call for Demand-Driven Research & Pilot Demonstration  
Project Grant under NMHS 2024-25**

Realizing the significance of the Himalaya in the sustainable development of the nation, the “National Mission on Himalayan Studies (NMHS)” is being implemented since 2015-16 across the Indian Himalayan Region (IHR) with a Vision “to support the sustenance and enhancement of the ecological, natural, cultural and socio-economic capital assets and values of the Indian Himalayan Region (IHR)”.

For the current year 2024-25, project proposals are invited under NMHS from individuals working in reputed Institutions/Universities/Organizations equipped with adequate resources and prior proven demand-driven action Research and Development (R&D) experience, addressing one or more of the following Identified Thrust Areas under specific Broad Thematic Areas (BTAs). The proposals submitted under NMHS should complement national priorities such as “Lifestyle for Environment (LiFE)”, “Self-Reliant Bharat”, “Swachh Bharat Abhiyaan” as well as supplement the international commitments like Sustainable Development Goals (SDGs), India’s Nationally Determined Contributions (NDCs) in the IHR. The project proposals should also take cognizance of the NMHS cross-cutting themes, i.e. gender equality and climate change.

The identified Thrust Areas (ITAs) for submission of proposals under different BTAs of NMHS are as follows:

S#	Identified Thrust Areas	BTAs
1.	<ul style="list-style-type: none"> <li>Development of Hybrid Purification Systems and Prototypes.</li> <li>Adaptive High-Altitude Monitoring &amp; Analytical Recommendations in Water Resource Sustainability.</li> <li>Hydrological Modeling for Integrated Management.</li> <li>Surface and Groundwater Modeling, Monitoring, and Scenario Planning and Preparedness for Sustainable Future.</li> <li>Efficient Natural Water Resource Management and Policy Recommendations.</li> </ul>	Water Resource Management
2.	<ul style="list-style-type: none"> <li>Ecological ecosystem sustainability and its integrated components.</li> <li>Smart Agroforestry Models, integrated with Conservation Frameworks.</li> <li>Mainstreaming Biodiversity across Development Sectors.</li> </ul>	Biodiversity Conservation and Management
3.	<ul style="list-style-type: none"> <li>Climate-Resilient Infrastructure with renewable &amp; Green Energy Integration.</li> <li>Low-cost, resilient Infrastructure and Technology/ Technique Prototypes.</li> <li>Climate-resilience and Emergency Preparedness.</li> <li>Green energy-based Innovative Rural Enterprise Prototypes.</li> </ul>	Infrastructure Development
4.	<ul style="list-style-type: none"> <li>Development of Predictive Pavements.</li> <li>Incorporation of Waste-recycled materials into road construction.</li> </ul>	Physical Connectivity
5.	<ul style="list-style-type: none"> <li>Development of Automatic Bio- and/or Non-biodegradable Waste Processing Bin Prototypes at the household level.</li> <li>Community-led Waste Management Models at the household/ municipality level.</li> <li>Micro-plastics source tracking and mitigation strategies &amp; models.</li> </ul>	Handling of Waste

The interested individuals working in reputed Institutions/ agencies may submit the research proposal in the prescribed format in their area(s) of expertise along with the Endorsement Certificate from the Head of the Institution and detailed bio-data of the PI and Co-PIs. The detailed project submission guidelines and prescribed formats for preparing Project Proposal are available on the website of the NMHS-PMU: <http://nmhs.org.in>

**Proposal Submission Procedure:** The complete proposal prepared in the prescribed NMHS format in any of the aforementioned Identified Thrust Areas should be **submitted through Online Portal of NMHS: <https://newprojectsubmission.nmhs-himal.res.in/> before 05:00 PM on 30<sup>th</sup> October 2024.**

**Administrative Officer  
GBP NIHE HQs**