

# PARLIAMENT QUESTION: PROJECTS UNDER NMSHE

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The Department of Science and Technology (DST) is supporting various R&D programmes under the National Mission for Sustaining the Himalayan Ecosystem (NMSHE). The Department has established State Climate Change Centres (SCCCs) in 13 States/UTs of the Indian Himalayan Region (IHR) and also established 03 Centres of Excellence (CoEs) at the University of Kashmir, Srinagar; Sikkim University, Gangtok and Tezpur University, Tezpur.

In addition to this, 10 projects under Major R&D Programme (Annexure-I), 06 Thematic Task Forces, 06 State Network Programmes and a National Network Programme are also being supported, which are engaged in carrying out research activities to address challenges related to the Himalayan ecosystem, climate change and holistic adaptation strategies in a coordinated manner.

(b) to (c): DST has strengthened State Climate Change Centres (SCCCs) in all the 13 States/UTs of IHR under NMSHE to assist the States in undertaking vulnerability and risk assessments, public awareness and capacity-building programmes. These SCCC have been networked with various experts and agencies to build capacities in different areas, which include disaster risk reduction, Glacial Lake Outburst Flood (GLOF) risk assessment, Himalayan ecosystem dynamics, hydrology and water resource management, climate-resilience, etc.

This information was submitted by Union Minister of State (Independent Charge) for Science and Technology and Earth Sciences Dr. Jitendra Singh in Rajya Sabha on 12th February 2026.

## Annexure-I

| Sl. No. | Title of Projects                                                                                                                              | Host Institute                                                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1.      | Assessment of Impact of Climate Change on Natural Resources and Livelihood of Arunachal Pradesh                                                | North Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Arunachal Pradesh |
| 2.      | Study of Glacial Dynamic and Sustainable Hydrological resources in Arunachal Himalaya                                                          | Indian Institute of Technology Guwahati, Guwahati, Assam                                        |
| 3.      | Assessment of socio-ecological vulnerability to climate change among agroforestry managers along an altitude gradient in the Eastern Himalayas | Assam University, Silchar, Assam                                                                |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 4.  | Net ecosystem production and carbon dynamics of forest ecosystems in North East India in relation to altitude and latitude gradient: Implications for carbon sink management           | Mizoram University, Aizawl, Mizoram                                       |
| 5.  | Climate Change and Sustainability of Agricultural Practices and Livelihoods in Eastern Himalayas: Case Studies in Northeastern Region, India                                           | Gauhati University, Guwahati, Assam                                       |
| 6.  | Climate change impact assessment of threatened taxa in the Eastern Himalaya: Regeneration and conservation strategies                                                                  | Gauhati University, Guwahati, Assam                                       |
| 7.  | Long-term ecological monitoring of forest plots in Mizoram, Northeast India                                                                                                            | Mizoram University, Aizawl, Mizoram                                       |
| 8.  | Reconstructing the Late Quaternary climate change records from the Lakes in Trans-Himalayan Ladakh                                                                                     | University of Ladakh, Leh, Ladakh                                         |
| 9.  | Development of climate resilient and sustainable agri-based systems for better food, feed, nutritional and livelihood security options to farming community of Cold arid region-Ladakh | National Dairy Research Institute, Karnal, Haryana                        |
| 10. | Integrated Cryospheric Observations and Associated Hazards to Changing Climate, Central Himalaya                                                                                       | Hemvati Nandan Bahuguna Garhwal University (HNBGU), Srinagar, Uttarakhand |

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