GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1560
ANSWERED ON 12/02/2026

PROJECTS UNDER NMSHE

1560 DR. SANDEEP KUMAR PATHAK:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the details of projects being implemented or supported under the National Mission for Sustaining the Himalayan Ecosystem (NMSHE) across various States;

(b) whether State Climate Change Centres (SCCCs) are being strengthened under NMSHE; and

(c) if so, the specific measures being taken to enhance the skills and capacity of these SCCCs regarding Disaster Risk Resilience?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE
MINISTRY OF SCIENCE AND TECHNOLOGY & EARTH SCIENCES
(DR. JITENDRA SINGH)

(a) 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 SCCCs 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.

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
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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