

PARTICIPANT BRIEF

Training Programme on

Building Local Resilience in a Changing Climate

Women Scientists & Technologists working in Government Sector

09–13 March 2026 | LBSNAA, Mussoorie, Uttarakhand

5 Days

Duration

36

Participants

23

Speakers

25

Sessions

10

Sectors

Organised by:

Centre for Disaster Management, LBSNAA

Mussoorie, Uttarakhand – 248179

Sponsored by:

Department of Science & Technology (DST)

Ministry of Science & Technology, Government of India,
New Delhi

SECTION 1 — PROGRAMME INTRODUCTION

Programme Introduction

The Training Programme on Building Local Resilience in a Changing Climate is a five-day intensive capacity-building initiative jointly organised by the Centre for Disaster Management (CDM), LBSNAA, Mussoorie, and the Department of Science & Technology (DST), Government of India. This programme is specifically designed for Women Scientists and Technologists serving in the Government sector.

India faces unprecedented climate change challenges — from glacial retreat and erratic monsoons to extreme heat events and coastal inundation. Women scientists embedded in government institutions are uniquely positioned as translators of scientific knowledge into policy and field-level action.

The course brings together 36 participants from across the country representing organisations spanning space research, hydrology, environmental science, disaster management, biotechnology, oceanography, energy, and steel — with 23 distinguished resource persons from government, academia, UN agencies, and the private sector.

National Programme — DST Scheme

The CDM, in collaboration with the Department of Science & Technology (DST), Government of India, is organising this programme under the DST scheme "National Programme for Training of Scientists and Technologists working in Government Sector" — aimed at enhancing the scientific and technical capacity of government scientists to contribute meaningfully to India's development priorities, including climate resilience.

Dates

09–13 March 2026

Duration

5 Days · Offline

Venue

LBSNAA, Mussoorie

Participants

36 Women Scientists &
Technologists (Govt.)

SECTION 2 — AIM & OBJECTIVES

Aim & Training Objectives

PROGRAMME AIM

"To identify and discuss innovative local technological solutions and to share such information among all participants to build scientifically sound solutions and transfer of those technologies from lab to land for building local climate change resilience"

Specific Objectives

- Discuss emerging issues, challenges and policies related to climate change at national and local level
- Deliberate on mechanisms — tools, frameworks, methodologies, action plans, guidelines — for enabling community and local climate resilience
- Provide exposure on effects of climate change on various socio-economic sectors and livelihoods
- Provide exposure on the role of science and technology in community-level climate risk mitigation planning
- Discuss how to adopt and promote environmentally friendly lifestyles (Mission LiFE)
- Discuss a resilient roadmap and action plan for building local resilience in a changing climate
- Collate information and exchange technical knowledge and experiences on local-level climate change adaptation and mitigation practices

Thematic Areas

- Science & Technology for Emerging Issues & Challenges
- Sectoral Impacts and Solutions
- Mechanisms for Enabling Local Climate Resilience
- Role of Science and Technology in Community-Level Climate Risk Mitigation Planning
- Local Level Climate Change Adaptation Practices
- Action Plan for Building Local Resilience in a Changing Climate
- LiFE Mission — Lifestyle for Environment

SECTION 3 — EXPECTED OUTCOMES

Expected Outcomes

Thematic deliberations are designed to address emerging climate change challenges at the local level, align with Mission LiFE priorities, and provide concrete orientation on local-level adaptation and mitigation interventions.

Knowledge Outcomes

- Comprehensive understanding of India's climate governance framework (NAPCC, SAPCC, NDCs, SDGs, Paris Agreement)
- Familiarity with IPCC findings and their regional and sectoral implications for India
- Knowledge of cutting-edge technologies — GIS, remote sensing, AI, IoT — applied to climate risk management
- Understanding of ecosystem economics (TEEB), green economy pathways, and scenario modelling

Skills Outcomes

- Ability to design and facilitate climate vulnerability assessments using PRA and PLA tools
- Competence in developing climate-smart village plans and sector-specific adaptation strategies

- Capacity to apply ecosystem valuation methods and cost-benefit analysis to climate interventions
- Skills to lead community-based disaster risk reduction initiatives with gender-responsive lenses

Attitudinal Outcomes

- Commitment to inclusive climate action, integrating equity and gender perspectives throughout
- Motivation to serve as climate champions within respective organisations and communities
- Network of women climate scientists for ongoing collaboration, mentorship, and knowledge exchange

Institutional Outputs

- Individual Action Plans with defined timelines and organisational commitments
- Documented best practices and scalable innovations from peer learning exercise
- Cross-sector knowledge repository of local climate adaptation and mitigation initiatives

SECTION 4 — TRAINING METHODOLOGY

Training Methodology

The programme employs a multi-modal, participatory pedagogy designed to maximise peer learning, practical skill application, and real-world problem solving.

Flipped Classroom	Participants engage with pre-reading materials before each session, enabling expert sessions to focus on application and dialogue.
Expert Lectures & Panels	23 eminent resource persons deliver sessions covering policy, science, technology, economics, and grassroots practice.
Peer Learning Exercise	Structured group activity spanning three days where participants identify, analyse, and present sector-specific local innovations.
Field Visit (Day 2)	Immersive community-based learning in Uttarakhand hills — climate-smart villages, traditional water systems (kuls, naulas), women-led SHGs.
Interactive Plenaries	Open dialogue sessions to synthesise learnings and address cross-cutting themes.
Individual Action Plans	Structured reflection and planning activity culminating in personal commitments with defined timelines.