Azadi Ka Amrit Mahotsav

सरवगेय जयते

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Resilient India - Disaster Free India

BROCHURE

National-Level Training Programme on Coastal Hazards, Coastal Vulnerability and Risk Reduction

Date: 10–13 November 2026

Venue: NIDM Southern Campus, Kondapavaluru, Opp 10th Bn. NDRF, Near Adavinekklam, Vijayawada, Andhra Pradesh

Coastal landscapes • Cyclone & Tsunami preparedness • Community resilience • Nature-based solutions

Organised by

National Institute of Disaster Management (NIDM)

Ministry of Home Affairs, Government of India

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1. Introduction

India has a coastline of over 7,500 km spanning nine coastal states and four Union Territories. Coastal regions face a complex suite of hazards including tropical cyclones, storm surges, tsunamis, coastal flooding, erosion, saline intrusion and increasingly intense heatwaves. The combination of high population density, critical infrastructure, fishing communities, ports and urban centres makes coastal districts among the most vulnerable in the country.

Recent experiences, including successive cyclones in the Bay of Bengal, storm-surge inundation, and heatwave impacts on coastal urban and occupational populations, highlight the growing influence of climate change in intensifying coastal hazards and increasing the likelihood of more frequent, severe, and potentially compound extreme events in the future. These escalating risks underscore the urgent need for integrated coastal risk assessment, strengthened early warning systems, effective evacuation planning, inclusive disaster preparedness, and nature-based solutions to enhance the resilience of coastal communities.

Effective coastal disaster risk reduction requires multi-hazard understanding, robust early-warning systems (IMD, INCOIS, CWC), last-mile connectivity, inter-agency coordination under the Incident Response System, and practical tools such as Heatwave Action Plans, cyclone/tsunami evacuation route maps and Hazard-Risk-Vulnerability-Capacity (HRVC) assessments. Strengthening these capacities at state, district and local levels is a national priority aligned with the Sendai Framework, the Prime Minister's 10-Point Agenda on DRR and India's climate commitments.

The National Institute of Disaster Management has designed this national-level training programme to equip officers and stakeholders with conceptual clarity, practical skills and actionable planning tools for coastal hazards, vulnerability assessment and risk reduction. The programme combines expert inputs, case studies, group exercises, NDRF familiarisation, field-oriented sessions and participant presentations to enable immediate application in participants' jurisdictions.

2. About NIDM

The National Institute of Disaster Management (NIDM) was constituted under an Act of Parliament to play the role of a premier institute for capacity development in India with the vision to create a Disaster Resilient India by building the capacity at all levels for disaster prevention and preparedness. Under the Disaster Management Act 2005, NIDM has been assigned nodal responsibilities for human resource development, capacity building, training, research, documentation and policy advocacy in the field of disaster management.

NIDM has performed a crucial role in bringing disaster risk reduction to the forefront of the national agenda. The Institute believes that disaster risk reduction is possible only through promotion of a "Culture of Prevention" involving all stakeholders. The Institute works through strategic partnerships with various ministries and departments of the central, state and local governments, academic, research and technical organizations in India and abroad and other bilateral and multilateral international agencies.

NIDM is proud to have a multi-disciplinary core team of professionals working in various aspects of disaster management. In its endeavour to facilitate training and capacity building, the Institute has state-of-the-art facilities like classrooms, seminar hall and video-conferencing facilities, etc. The Institute has a well-stocked library exclusively on the theme of disaster management and mitigation. The Institute provides training in face-to-face, online, and self-learning modes as well as satellite-based training. In-house and off-campus face-to-face training to the officials of the state governments is provided free of charge, including modest boarding and lodging facilities.

The Institute has been organizing various training courses and conducting seminars / workshops / conferences covering a wide spectrum of themes at the national and international levels besides publishing several training modules and other documents including case studies, templates and disaster reports.

NIDM has been trying to bring various stakeholders to one platform through activities like the India Disaster Management Conference, National Platform for Disaster Risk Reduction, South Asia Policy Dialogue, East Asia Summit for Earthquake Risk Reduction and Asia Ministerial Conference for Disaster Risk Reduction for better networking, linkages and coordination. Sendai Framework for Disaster Risk Reduction, Prime Minister's 10 Point Agenda on DRR, Climate Change Action Plans, Urbanization Agenda and Sustainable Development Goals have also emphasized on collective synergized action and integrated approach for Climate and Disaster Resilient Safer Sustainable Development.

3. Venue

The programme will be conducted at the NIDM Southern Campus, located at Kondapavaluru Village, Gannavaram Mandal, Krishna District, Andhra Pradesh. It is near Adavinekklam Village on Vijayawada-Nuzvid Road, opposite the 10th Battalion of NDRF.

4. Objectives

The programme aims to:

1. Strengthen understanding of the disaster management cycle and the legal–institutional framework for coastal risk governance in India.
2. Build capacity to identify major coastal hazards (cyclones, storm surges, tsunamis, flooding, erosion, saline intrusion and heatwaves) and assess their physical, social, economic and environmental impacts.
3. Familiarise participants with multi-hazard early warning systems (IMD, INCOIS, CWC) and last-mile dissemination mechanisms.
4. Enable preparation of practical tools: Heatwave Action Plans, cyclone/tsunami evacuation route maps and community preparedness measures.

5. Strengthen inter-agency coordination and inclusive approaches for vulnerable groups (children, older persons, persons with disabilities, fishing communities).
6. Promote nature-based solutions, ecosystem-based mitigation and Build Back Better principles for coastal resilience.
7. Facilitate hands-on learning through case studies, group exercises, NDRF familiarisation, field-oriented sessions and participant presentations.
8. Enable participants to prepare actionable recommendations for integrating coastal DRR into district and local development planning.

5. Expected Learning Outcomes

At the end of the programme, participants will be able to:

1. Explain the disaster management cycle and the legal and institutional framework governing disaster management in India.
2. Identify major coastal hazards and assess their physical, social, economic and environmental impacts.
3. Understand early warning systems and the roles of IMD, INCOIS, NDRF and relevant state and district agencies.
4. Apply basic HRVC assessment and participatory risk-mapping methods.
5. Identify practical cyclone, tsunami, landslide and heatwave risk-reduction measures.
6. Develop a preliminary Heatwave Action Plan with clear triggers, responsibilities and communication arrangements.
7. Prepare cyclone or tsunami evacuation route maps, including safe locations and support arrangements for vulnerable populations.

6. Key Themes

1. Fundamentals of Disaster Management and Coastal Risk Governance; Legal and Institutional Framework (DM Act 2005, NDMA/SDMA/DDMA).
2. India's International Commitments on DRR and Climate Change (Sendai, SDGs, Paris Agreement).
3. Multi-Hazard Early Warning Systems for Coastal Areas (IMD, INCOIS, CWC, CAP).
4. Coastal Hazards: Cyclones, Storm Surges, Tsunamis, Flooding, Erosion, Saline Intrusion and Heatwaves.
5. Drought understanding and community-level management strategies.
6. NDRF capabilities, Search & Rescue, CPR, First Aid and Victim Handling.
7. Tsunami Risk Reduction, Tsunami Ready Villages and evacuation protocols.
8. Heatwave Risk Assessment, Urban Heat Islands and Heatwave Action Planning.
9. Vulnerability Assessment, Inclusive Community Preparedness and Emergency Readiness.
10. Participant presentations, action planning and post-training commitments.

7. Target Participants

The programme is intended for officers and professionals (preferably Group A/B in Government Bodies) involved in coastal disaster risk management, including:

1. State and district administration, Revenue and coastal district officials.
2. Police, traffic police, home departments, Fire and emergency services.
3. State Disaster Management Authorities and District Disaster Management Authorities.
4. Health departments, hospitals and emergency medical services.
5. Urban local bodies, municipal corporations and Panchayati Raj Institutions.
6. Fisheries, ports, transport, road, rail and traffic-management authorities.
7. Public works, electricity, water supply, sanitation and environment departments.
8. Civil defence, Home Guards, NCC, NSS and trained volunteers.

9. Engineers, planners, universities, training institutions and research organisations working on coastal resilience.

8. Programme Details

Particular	Details
Programme	National-Level Training Programme on Coastal Hazards, Coastal Vulnerability and Risk Reduction
Dates	10–13 November 2026 (Four days) – till approximately 5:00 PM on the end date.
Venue	NIDM Southern Campus, Vijayawada, Andhra Pradesh
Medium	English; Hindi/Telugu may be used during discussions, as appropriate
Course fee	No course fee
Certificate	Certificate will be issued to participants who fulfil attendance and programme requirements
Accommodation	Boarding and lodging will be provided only to participants and not their relatives.
Travel expenses	To be borne by the sponsoring department/organisation.

9. Training Methodology

The programme will adopt an adult-learning and practice-oriented approach comprising:

1. Expert presentations, guided lectures and technical briefings by NIDM faculty, IMD/INCOIS scientists and domain experts.
2. Case-study analysis, facilitated group discussions and audio-visual learning.
3. Hands-on group exercises: Coastal HRVC Assessment; Heatwave Action Plan development; Cyclone/Tsunami Evacuation Route Planning.
4. NDRF Gallery visit and practical demonstration (Search & Rescue, CPR, First Aid, victim handling).
5. Field-oriented / community interaction sessions focusing on vulnerability and local experiences.
6. Participant presentations of draft plans and maps; recapitulation, feedback and assessment.

10. Participant Requirements

Participants are requested to:

1. Attend all sessions punctually.
2. Participate actively in group exercises, discussions and presentations.
3. Carry an official nomination letter from the sponsoring organisation.
4. Provide accurate contact and official designation details during registration.
5. Complete the feedback and evaluation process.

Pre-lunch and post-lunch attendance will be recorded. Successful completion of the programme and fulfilment of attendance requirements will be necessary for issuance of the certificate, consistent with the attendance practice followed in NIDM training programmes.

11. Registration and Nomination

Nominations may be sent through the competent authority of the concerned department or organisation. Participation will be subject to confirmation by NIDM. Registration will start at the venue from 9:00 AM onwards on the first day. Participants are also requested to fill pre-training assessment forms at the venue after registration.

12. Certificate

Certificates will be given to all participants who complete more than 90% attendance.

13. Suggested Reading and Reference Material

Participants may refer to:

1. NDMA Guidelines on Management of Cyclones; Guidelines on Management of Tsunamis; Guidelines on Management of Urban Flooding.
2. NDMA resources on Heatwave Action Plans and Heat-Health Action Frameworks.
3. Sendai Framework for Disaster Risk Reduction 2015–2030
4. Prime Minister's 10-Point Agenda on DRR.

14. Organizing team

Role	Name & Designation	Contact
Patron	**Shri Madhup Vyas, IAS** Executive Director, NIDM	ed.nidm@nic.in
Co-Patron	**Col P S Reddy** Joint Director, Southern Campus, NIDM	jdsouth.nidm@nidm.gov.in
Program Coordinator	**Dr Navneet Kumar** Professor, HoD, GMRD, NIDM	navneet.nidm@nic.in +91 7634868226
Program Co-Coordinator	**Mr. Rohit Kumar** Assistant Professor, NIDM	rohit.nidm@nic.in +91 8700273784
Training Team Lead	**Ms. Nazia Shaik** Junior Consultant, Training	+91 9989528699



15. Schedule

Proposed Four-Day Training Programme Schedule (10.11.2026 to 13.11.2026)
Coastal Hazards, Coastal Vulnerability and Risk Reduction
Organising Institute: National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India. Proposed Duration: Four days (10.11.2026 to 13.11.2026)
Venue: NIDM Southern Campus, Vijayawada

Detailed training schedule

Day 1 -Fundamentals of Disaster Management and Coastal Risk Governance			
Time	**Session / Activity**	**Key Topics**	**Resource Person**
09:30-10:30 AM	Registration and Inaugural Session	Registration, welcome, programme objectives and participant expectations	NIDM Training Team
10:30-11:00 AM	Ice-breaking and group formation		
11:00-11:15 AM	Tea Break		
11:15 AM-12:15 PM	Session 1: Basics of Disaster Management	Disaster management cycle; hazard, exposure, vulnerability and capacity; prevention, mitigation, preparedness, response, recovery, and Build Back Better	Dr Navneet Kumar
12:15-01:00 PM	Session 2: Legal and Institutional Framework for Disaster Management in India	Disaster Management Act, 2005; roles of NDMA, SDMA, DDMA and local authorities	Dr Navneet Kumar
01:00-02:00 PM	Lunch Break		
02:00-03:15 PM	Session 3: Drought: understanding and its Management	Drought types and indicators, Local and community-level strategies	Shri Manjeet Singh
03:15-03:30 PM	Tea Break		
03:30-05:00 PM	Session 4: India's International Commitments on DRR and Climate Change	Sendai Framework, Sustainable Development Goals, Paris Agreement and international cooperation on disaster risk reduction and climate resilience	Shri Rohit Kumar
Day 2 -Early Warning, Cyclone Preparedness and Field Visit			
09:00-10:30 AM	Session 5: Geospatial technologies in DRR and Multi-Hazard Early Warning Systems for Coastal Areas	Geospatial technologies, multi-hazard early warning Systems; Common Alerting Protocol; last-mile warning dissemination	Dr Navneet Kumar
10:30-10:45 AM	Tea Break		

10:45 AM - 06:00 PM	Session 6: Coastal Flooding, Storm Surge, Erosion and Nature-Based Solutions (Field Visit)	Coastal inundation, erosion, saline intrusion, mangroves, wetlands, ecosystem-based mitigation and resilient infrastructure	Shri Rohit Kumar
Day 3 -Hazard-Specific Risk Reduction and NDRF visit			
09:30-10:45 AM	Session 7: Tsunami Risk Reduction and Preparedness	Tsunami generation and impacts; INCOIS warning system; Tsunami Ready Villages; natural warning signs; evacuation to high ground or inland areas	Dr. Ajay, Scientist, INCOIS
10:45-11:00 AM	Tea Break		
11:00 AM-12:15 PM	Session 8: Tsunami Ready Villages Programme	Tsunami early warning, warning dissemination, community preparedness indicators, last-mile connectivity, public awareness and evacuation drills	Dr. Ajay, Scientist, INCOIS
12:15-01:00 PM	Session 9: Vulnerability Assessment, Inclusive Community Preparedness and Emergency Readiness	Preparedness of coastal communities, fishing settlements, children, older persons and persons with disabilities; household preparedness and emergency kits	Dr. Mahendra, Scientist -F, INCOIS
01:00-01:45 PM	Lunch Break		
01:45-03:00 PM	Session 10: Community Interaction and Interactive Discussion – Focus on Vulnerability	Lessons from Indian coastal disasters (AP), evacuation experiences, resilient recovery and Build Back Better	Dr. Mahendra, Scientist -F, INCOIS
03:00-03:15 PM	Tea Break		
03:15-05:15 PM	Session 11: **NDRF Gallery Visit and** Demonstration: Role of NDRF, CPR, First Aid, FBO and Victim Handling	Familiarisation with disaster response equipment, rescue systems, emergency tools and response capabilities and Search and rescue; role of NDRF; CPR and first aid; fire-based operations as applicable; safe casualty handling and basic victim evacuation	NDRF
Day 4 -Vulnerability Assessment, Financing and Action Planning			
09:30-11:00 AM	Session 12: Heatwave Risk Assessment and Preparedness	Heat stress, urban heat islands, occupational exposure, health impacts, early warning thresholds and vulnerable populations	Dr G Chinna Satyanarayana
11:00-11:15 AM	Tea Break		

11:15 AM-12:00 PM	Session 13: Preparing Heatwave Action Plans	Heat risk indicators, warning triggers, department-wise responsibilities, health preparedness, communication and response protocols	Dr G Chinna Satyanarayana
12:00-01:15 PM	Session 14: Coastal Vulnerability Mapping and Evacuation Route Planning	Participatory risk mapping; GIS-based approaches; evacuation routes; shelters, assembly points, access constraints and support for vulnerable groups	Shri Rohit Kumar
01:15-02:00 PM	Lunch Break		
02:00-03:00 PM	Session 15: Participant Presentations - Heatwave Action Plans, Cyclone and Tsunami Evacuation Route Planning	Risk identification, warning thresholds, responsibilities, health response and public communication, Hazard mapping, route selection, shelter capacity, evacuation assistance, warning dissemination and coordination	Shri Rohit Kumar
03:00-04:00 PM	Action Points and Post-Training Assessment	Individual commitments, feedback and assessment	NIDM Training Team
04:00-04:30 PM	Valedictory Session and Certificate Distribution	Key recommendations, closing remarks and certificates	NIDM Leadership
04:30-05:00 PM	Tea and Snacks		

For further information, please contact the Programme Coordinator / Training Team Lead.

Note:

1. Please do not travel without getting confirmation from NIDM.
2. Please book your return tickets for travel after 6:00 PM on 13 November 2026 (Friday).
3. Please reach the venue before 9:00 AM on 10th November 2026 without fail.