

TIDINGS

NIDM Newsletter-19/2023
(April-June 2023)



NATIONAL INSTITUTE OF DISASTER MANAGEMENT
(Ministry of Home Affairs, Government of India)

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About NIDM

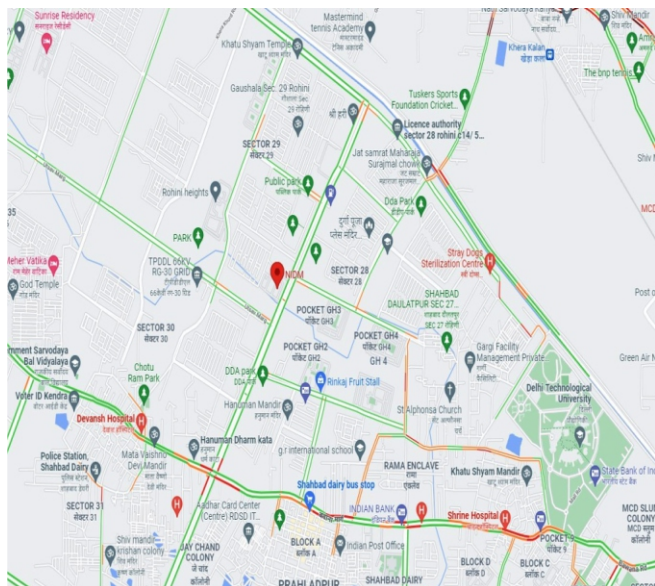
The National Institute of Disaster Management (NIDM) was constituted under an Act of Parliament with a vision to play the role of a premier institute for capacity development in India and the region. The efforts in this direction that began with the formation of the National Centre for Disaster Management (NCDM) in 1995 gained impetus with its re-designation as the National Institute of Disaster Management (NIDM) for training and capacity development.

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.

Both as a national Centre and then as the national Institute, 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 bi-lateral and multi-lateral 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 development, the Institute has state-of-the-art facilities like class rooms, seminar hall and video-conferencing facilities etc. The Institute has a well-stocked library exclusively on the theme of disaster management and mitigation.

NIDM provides Capacity Building support to various National and State level agencies in the field of Disaster Management & Disaster Risk Reduction. The Institute's vision is to create a Disaster Resilient India by building the capacity at all levels for disaster prevention and preparedness.



From the NIDM

Executive Director's Desk



Dear Readers,

I am pleased to present our newsletter “Tidings” before you for the quarter April-June, 2023. This is the time of onset of monsoons in southern and north eastern part of the country. We need to prepare ourselves for seasonal hazards like floods, landslides, cyclones and forest fires. The end of the season has already witnessed recurring floods and landslides in northeast primarily in Assam and Sikkim and cyclone Biparjoy in Gujarat.

It is time to celebrate our disaster preparedness which was put to test during the cyclone Biparjoy, which hit Gujarat and caused heavy rainfall in parts of Rajasthan. There was no reported death from cyclone in Gujarat. This is a marker of success of the work done after the 2001 earthquake in Gujarat which had focused on building multihazard resilient infrastructure as also example of community resilience and coordinated team efforts at all levels.

We have made considerable progress in reducing fatalities due to cyclones with increased effectiveness of our early warning systems and timely evacuation in the coastal areas. However, we still have to work towards flood mitigation in our country. Let us focus on improving our drainage systems, avoid building on water bodies or in flood plains, facilitate the absorption of rain water through increase in green cover and building flood resilient houses in vulnerable areas. These are some of the ways in which we can contribute apart from the structural mitigation measures undertaken by the authorities.

I would take this opportunity to request all of you to avoid building houses and infrastructure in high and recurring risk zones such as flood and cyclone prone areas in future. You may also incorporate resilience measures in the already existing infrastructure to lessen the impact of the hazard.

Let us take small steps to build disaster resilience in the country.

A handwritten signature in blue ink, appearing to read 'Ratnoo', with a stylized flourish at the end.

Shri Rajendra Ratnoo, IAS
Executive Director

Recent Activities

1. First meeting of the Disaster Risk Reduction Working Group held in Gandhi Nagar, Gujarat, 29 March-01 April 2023.

Mr. Rajendra Ratnoo (IAS), Executive Director, NIDM attended first meeting of Disaster Risk Reduction Working Group at Gandhi Nagar, Gujarat from 29 March-01 April 2023. He also attended the second meeting of Disaster Risk Reduction Working Group for G-20 at Mumbai from 23-25 May 2023.

Furthermore, he represented India in the sub-theme "Insurance Related Mechanisms" of the G-20's Disaster Risk Reduction Working Group side event on Financing Disaster Risk Reduction. Mr. Ratnoo addressed another session on Private Sector and Infrastructure Resilience in G-20 2nd Working Group Meeting of DRR in Mumbai where he highlighted transformational impact of PM Gati Shakti NMP for Multi-Modal Connectivity



2. Shri Rajendra Ratnoo (IAS), Executive Director, NIDM meeting with ICLEI South Asia, 06 April 2023

Shri Rajendra Ratnoo (IAS), Executive Director of the National Institute of Disaster Management held a productive meeting with ICLEI (International Council for Local Environmental Initiatives) South Asia. The purpose of the meeting was to discuss potential future collaborations on the joint program titled **City Resilience and Sustainability - Planning & Capacity Promotion** involving ICLEI and its partner organisations. The meeting took place at the Rohini Campus of the National Institute of Disaster Management.



3. National Institute of Disaster Management and Institution of Civil Engineers (India) (ICE) Convene Meeting to Foster collaboration in Disaster Risk Reduction and Resilient Infrastructure, 12 April 2023.

The agenda of the meeting was to discuss collaboration between the two institutions for disaster risk reduction from top to grass root level by promoting resilient infrastructure and capacity building. The meeting was chaired by Shri Rajendra Ratnoo, IAS, ED, NIDM, Lt. Gen. Harpal Singh, Vice Chairman of ICE (I), along with other officials from both institutions.



4. NIDM signed Memorandum of Understanding (MoU) with Save the Children, CRY and UNICEF, 18 April 2023.

An impactful meeting took place at the NIDM Rohini Campus in New Delhi; involving the National Institute of Disaster Management (NIDM) and Child Rights & You (CRY). The primary focus of this meeting was to deliberate on a collaborative partnership between CCDRR, NIDM and CRY with the aim of bolstering Comprehensive Child-Centered Disaster Risk Reduction (CCDRR) efforts.

During this meeting, a collaborative plan of action was formalized, and this significant step was witnessed by esteemed individuals including Shri Rajendra Ratnoo (IAS), the ED, NIDM; Prof Santosh Kumar, Project Director, CCDRR, and Shri Subhendu Bhattacharjee, Director, Policy, Research & Advocacy at Child Rights and You (CRY). The occasion also witnessed the presence of officials from both entities.

This event marked an important stride forward in enhancing the partnership between these organizations for the betterment of child-focused disaster risk reduction initiatives.



5. A motivational talk on Prime Minister's 10-Point Agenda No. 3 on Disaster Risk Reduction held at NIDM Rohini Campus, 20 April 2023.

A motivational talk on Prime Minister's 10-Point Agenda No.3 on Disaster Risk Reduction (DRR), was held at NIDM specifically focused on **Women's Leadership & Empowerment**. Dr. Sonal Mansingh, a respected member of the Rajya Sabha and Padma Vibhushan awardee, delivered an engaging speech to NIDM's faculty, staff, and invited members, highlighting the crucial role that women play in society and emphasizing the significance of empowering and supporting them during emergencies.



During the welcome address, Shri Rajendra Ratnoo, IAS, ED, NIDM, stressed the institute's commitment to conduct various programs on women's vulnerability and firmly expressed the belief that women can be both symbols of change in disasters and agents of change. He underlined the need to

encourage greater involvement and leadership of women in disaster risk reduction to address the unique challenges faced by women affected by disasters.

6. Discussion on Urban Conference & Launch of Communities of Practice, 25 April 2023

At the Urban Conference & Launch of Communities of Practice by GIZ_India, Shri Rajendra Ratnoo, ED NIDM, delivered a keynote speech and emphasized the integration of climate change & Disaster Risk Reduction principles in urban planning. The event featured an insightful session on climate resilient infrastructure, which Prof. Santosh Kumar, Senior Professor & Project Director, CCDRR, moderated. The closing address was presented by Dr. Garima Aggarwal, Senior Consultant (Resilient Infrastructure).



7. Fostering Collaboration: NIDM and WHO India Forge Partnerships in Health, Climate, and Disaster Emergencies, 19 May 2023

The World Health Organization (WHO), India extended an invitation to National Institute of Disaster Management for a collaborative meeting aimed at enhancing partnerships in the realms of health, climate, and disaster emergencies. Ms. Payden presided over the meeting on behalf of WHO India, facilitating discussions to strengthen ties and foster cooperation between the two entities in these crucial domains.



8. MoU signed between National Institute of Disaster Management and Ministry of Consumer Affairs, Food and Public Distribution for Developing Disaster Management Plan, 29 May 2023

National Institute of Disaster Management signed MoU with the Ministry of Consumer Affairs, Food and Public Distribution (MoCAFPD) to develop the disaster management plan of the ministry

comprising of Resilient Infrastructure, adaptation & mainstreaming DRR. Food Corporation of India will be the nodal agency from MOCAFPD to coordinate with the National Institute of Disaster Management. The MoU signing ceremony was witnessed by the presence of Secretary, MoCAFPD; CMD, Food Corporation of India and Shri Rajendra Ratnoo, ED, NIDM.



9. NIDM visited Balasore for documentation of the Rail Accident, 5 June 2023

A team of five members from National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, paid a visit to Balasore, Odisha for the documentation of Balasore Train Accident for lessons learning. The team assessed the situation and aimed to suggest intervention areas for better preparedness and accident prevention.



10. National Institute of Disaster Management observed World Environment Day and pledged to avoid single use plastic, 5 June 2023

Acknowledging the intrinsic connection between environmental preservation and effective disaster management, the NIDM underscores the significance of safeguarding ecosystems to enhance resilience and mitigate future disasters. This occasion prompts us to contemplate our shared responsibility for the environment and its implications. Simple adjustments in our everyday routines hold the potential to yield substantial positive outcomes. Through united efforts, we can usher in a greener, more sustainable future for all.



11. Advancing Disaster Preparedness through Higher Education: Key meeting held at NIDM, 13 June 2023.

In a significant development, Shri Rajendra Ratnool, ED, NIDM held a productive meeting with Shri K. Sanjay Murthy, Secretary of the Department of Higher Education under the Ministry of Education, Government of India. The central theme of this meeting was the integration of Disaster Management as a vital subject within Higher Education. The participation of Prof. Santosh Kumar, Senior Advisor at NIDM, and Dr. Preeti Soni, Senior Programme Consultant at NIDM, added valuable insights to the discussions. The integration of Disaster Management into Higher Education stands to empower future professionals and leaders with essential skills to effectively navigate and mitigate the impact of disasters. By incorporating this subject into the higher education curriculum, the initiative seeks to foster a culture of readiness, resilience, and sustainable progress among the students.



Face to Face Training Programmes (Organized from April-June 2023)

Training Programme on Urban Disaster Resilience and Climate Risk Mitigation in Cities, 17-19 April 2023

Key Takeaway/Recommendations

- a) Comprehend the proficiency existence in the Sustainable Development Goals (SDGs) and their interconnectedness within urban settings.
- b) Grasping the intricate connections between climate change and disaster risk reduction. Acknowledging that urban areas face the dual challenges of enhancing disaster resilience and addressing climate change, both of which can impede the realization of the United Nations' SDGs.
- c) Capability to pinpoint prospects for adapting the SDGs to local contexts in order to foster resilient development is present.
- d) Achieving the establishment of connections and cooperative efforts with fellow participants to actively contribute to the future.
- e) Implementation of proactive measures, including the formulation of building codes, judicious land use planning, and investments in infrastructure effectively bolster cities against the impacts of disasters and climate change.

Training Programme on Youth Action in Heat Waves: Reducing Vulnerabilities Enhancing and Building Resilience, 17-21 April 2023

Key Takeaway/Recommendations

- a) Initiate the development and implementation of Heat Action Plans (HAPs) in states.
- b) Efforts should be directed towards reinforcing the current Early Warning System (EWS).
- c) Undertake initiatives to foster community awareness regarding local Heat Wave thresholds (LT).
- d) Greater emphasis should be placed on crafting suitable institutional frameworks to effectively execute the plans.
- e) Capacity of states to manage situations involving multiple hazards must be enhanced by strengthening State Disaster Management Authorities (SDMAs) and District Disaster Management Authorities (DDMAs).



State Level Consultation on "Updation of Disaster Management Plans of Delhi with Focus on Earthquake and Urban & Industrial Fires, 18-20 April 2023

Key Takeaway/Recommendations

- Comprehensively grasp seismic risks to build a solid foundation through risk-informed planning, micro-zonation studies, and prioritizing these approaches to enhance the resilience of our constructed environment.
- Building Regulation for Resilience Program can play a pivotal role in enhancing regulatory capabilities and fostering safer, more resilient built environments.
- Gaining insight into industrial risks and conducting thorough risk assessment studies is paramount for safeguarding industrial zones.
- Instilling basic public awareness through training, capacity building programs, instructional modules, and publications is indispensable. These initiatives should take precedence to educate individuals and cultivate a safety-oriented culture.
- Elevating resilience hinges on adequately training civil engineers in proficiently implementing codes within infrastructure projects. A concentrated effort should be directed towards providing requisite training and bolstering their competencies.
- Efficiently streamlining and monitoring procedures for issuing building and occupation permits can significantly expedite the permit acquisition process.

Training Programme on Fire Safety & Earthquake Risk Reduction, 19-21 April 2023

Key Takeaway/Recommendations

- Provision of training to recognize potential fire hazards and vulnerabilities to earthquakes in their surroundings.
- Underscore the significance of effective communication during emergencies, which involves utilizing designated channels and refraining from spreading rumors.
- Motivate participants to take ownership of their safety and the safety of others by adhering to established protocols and procedures.
- Emphasize the importance of tailoring fire safety and earthquake preparedness approaches to the unique context of participants' surroundings, taking into account local laws, infrastructure, and available resources.
- Conduct a practical demonstration of a mock drill in collaboration with National Disaster Response Force (NDRF).



Training Programme on Youth Action in Heat Waves: Reducing Vulnerabilities, Enhancing capacities and Building Resilience, 24-28 April 2023

Key Takeaway/Recommendations

- a) Drink plenty of fluids, especially water, even if you don't feel thirsty. Avoid excessive intake of caffeine or alcohol, as they can contribute to dehydration.
- b) Wear lightweight, loose-fitting, and light-coloured clothing to allow for better air circulation and reflect sunlight.
- c) When outdoors, try to stay in shaded areas, especially during the hottest parts of the day.
- d) Minimize intense physical exertion during extremely hot weather, particularly during peak temperature hours.
- e) Heat wave early warning systems use weather forecasts, historical data, and monitoring of temperature and humidity to provide early warnings of impending heat waves. These warnings help authorities and individuals to prepare and take necessary precautions in advance.



Training Programme on Incident Response System (IRS): Basic & Intermediate, 25-27 April 2023

Key Takeaway/Recommendations

- a) Effective coordination becomes paramount as numerous agencies step forward with well-intentioned efforts to respond during emergencies. The Incident Response System (IRS) establishes strategies to ensure a cohesive and efficient response approach.
- b) Diverse roles undertaken by various trained stakeholders within the IRS contribute to enhanced response efficiency.
- c) Effectiveness of the IRS must be interlinked with the broader response process, encompassing elements like the Disaster Management Plan, Emergency Operations Center (EOC), Incident Data and Reporting Network (IDRN), and Emergency Support Functions (ESFs).
- d) Emergency Operations Center (EOC) plays a pivotal role as a facilitator for on-site operations, fostering an effective response environment.
- e) Training materials should encompass video resources that cover Planning Meetings, Operations Meetings, and Pre-planning Meetings to enrich the learning experience.
- f) Comprehensive training sessions should also delve into the sector-specific applications of the IRS to provide participants with a well-rounded understanding.

Training Programme on Psychosocial Care in Disaster Management, 25-27 April 2023

Key Takeaway/Recommendations

- a) Reactions of disaster survivors are normal reactions to abnormal situations like disasters.
- b) Survivors should not be dependent upon the caregivers but we should strive to make them independent without passing judgments on them.
- c) Seven techniques of Psychosocial care should be integrated with others services while working with disaster survivors.
- d) Children and women form the more vulnerable group in disasters and hence different techniques should be used while working them.
- f) Caregivers should make efforts to prevent themselves from burnout while working in disaster situations.



Training Programme on Mitigation Measures for Urban Resilience to Disasters, 26-28 April 2023

Key Takeaway/Recommendations

- a) Focus should be on reducing risks and mitigating the potential impacts instead of just responding to them. By taking preventive measures, we can minimize the damage and ensure a safer environment.
- b) Emphasize the importance of policy implementation to enhance resilience. Policy measures are crucial for disaster management, and strict enforcement is necessary to ensure the safety of people and infrastructure.
- c) Every educational institution should formulate a disaster management plan following the government's mandate which will help them prepare for emergencies and protect the students, staff, and infrastructure.
- d) Mock drills should be carried out on the basis of the disaster management plan to prepare for emergencies.



- e) Training and capacity building programs should be conducted specifically for senior officials and heads of institutions to sensitize them to the importance of disaster management.
- f) Need to give adequate emphasis on mitigation planning for implementing structural & non-structural mitigation measures towards disaster risk reduction.

Training Programme on Youth Action in Heat Waves: Reducing Vulnerabilities, Enhancing Capacities and Building resilience, 01-05 May 2023

Key Takeaway/Recommendations

- a) Comprehensive overview of India's hazard and vulnerability profile.
- b) Origins and ramifications of diverse natural calamities: Tropical Cyclones; Tsunamis; Landslides should be explored; Storm Surges; Floods; Earthquakes; and Droughts.
- c) Roles must be undertaken by Government Entities: NDRF (at the National Level), SDRF (at the State Level), and Local Organizations in Disaster Response.
- d) Observing the escalation in extremes such as Temperature and Rainfall, Drought incidents, Rising sea levels, and amplified severity of severe cyclones etc.
- e) Elevated temperatures contribute to respiratory issues, with a notable connection between higher temperatures and the accumulation of harmful substances.



Training Programme on Infrastructure Resilience and Food Security, 02-04 May 2023

Key Takeaway/Recommendations

- a) Infrastructure resilience and food security are closely linked. Resilient infrastructure is crucial for the production, processing, distribution, and access to food.
- b) Climate change poses significant challenges to both infrastructure and food security. Extreme weather events can damage infrastructure and disrupt agricultural production, highlighting the need for resilient infrastructure and climate-smart agricultural practices.
- c) Investments in rural infrastructure, such as roads, irrigation systems, and post-harvest facilities, improve farmers' access to markets and reduce post harvest losses, thus enhancing food security.
- d) Technological advancements, such as smart grids and precision agriculture techniques, can improve infrastructure resilience and optimize food production and distribution systems.

- e) Governments play a critical role in promoting infrastructure resilience and food security through policy formulation and planning. Incorporating resilience measures into infrastructure development plans and promoting sustainable agricultural practices.
- f) Resilient infrastructure, such as irrigation systems, dams, and water storage facilities, help ensure reliable access to water for farming, thereby enhancing food security.
- g) Resilient infrastructure and food security should prioritize social equity, ensuring that vulnerable populations have access to essential services and sufficient food.

ToT on Child Centric Disaster Risk Reduction, 10-12 May, 2023

Key Takeaway/Recommendations

- a) Need to understand basic child-centric disaster risks and their preventive measures.
- b) Need to promote preventive measures in all forms of natural disasters.
- c) Should involve all stakeholders, both private and government measures for mitigating child-centric disasters.
- d) Emphasis should be on Child-Centric Disaster Risk Reduction (CCDRR) and its life cycle.
- e) Need to integrate risk informed programming and approaches into CCDRR.
- f) Modules should be developed to engage children in Disaster Risk Reduction (DRR) activities.



National Level Training on Natural and Nature based Methods for Flood Risk Management, 09-11 May 2023

Key Takeaway/Recommendations

- a) Involving the community and ensuring equitable outcomes for communities in flood risk management projects.
- b) Effectively managing urban floods demands a grasp of the distinct challenges posed by urban settings, which encompass impermeable surfaces, modified waterways, and dense populations.
- c) Monitor and evaluate indispensable roles within flood risk management projects, facilitating progress tracking, issue identification, and the assessment of project efficacy.
- d) Empowering communities through monitoring fosters accountability, ownership, and cost-efficiency in flood risk management projects.

- e) Selection of monitoring methods and parameters strikes a balance between efficacy and cost considerations.
- f) Evaluation aids and significance of flood risk management projects, encompassing individual methods as well as the overall project.

Training Programme on School Safety, 21-25 May 2023

Key Takeaway/Recommendations

- a) Need to encompass the prevention of minor disasters in case of school safety along with the major disasters.
- b) School curriculum should include practical methods for disaster risk reduction for students rather than overloading the school curriculum.
- c) Detailed HRVC analysis should be undertaken by all schools to develop school disaster management plans.
- d) Search & Rescue, First Aid and Fire Safety training should be imparted to students, teachers and management for ensuring safety in schools.
- f) Lessons learnt from past disasters in schools should be looked into and incorporated by the school authorities for taking forward the concept of school safety.

ToT Programme on Chemical Biological Radiological and Nuclear (CBRN), 22-26 May 2023

Key Takeaway/Recommendations

- a) Risk assessment and identification specific to CBRN activities was a crucial step in developing effective disaster management for civil defense.
- b) Encouragement to foster coordination and collaboration among various line organizations/ offices within the department in disaster situations.
- c) Engaging with local communities and stakeholders in CBRN disaster management was highlighted as a crucial aspect through collaboration and awareness-building among the local population.
- d) Participants were educated on the process of allocating resources effectively during emergencies viz. understanding resource needs, prioritizing their utilization, and ensuring their availability.
- e) Program emphasized the need for developing awareness to minimize disruptions caused by CBRN disasters.
- f) Importance of conducting regular drills and exercises to improve response capabilities, and enhance overall preparedness.

- g) Learning how to assess the risks associated with CBRN incidents, evaluating potential impacts, and developing strategies to mitigate these risks effectively.
- h) Staying updated on advancements in CBRN detection, protection, and response technologies to continually improve preparedness and response capabilities.



ToT on Engaging Youth & Adolescents in DRM & CCA, 23-27 May 2023

Key Takeaway/Recommendations

- a) Need to understand basic information about corona virus disease (COVID-19), including its symptoms, complications, how it is transmitted and how to prevent transmission.
- b) Learn basic concepts related to Disaster Management and measurement of Disaster Risk Management.
- c) Enumerate the role of youths can play in mitigating the climatic challenges or disasters and importance of youth movement for climate action.
- d) Make out the strategies to tackle the psychological related issues of youth and adolescents in the time of disaster.



Training Programme on Cyber Disaster Risk Reduction and Resilience, 30 May-01 June 2023

Key Takeaway/Recommendations

- a) Important to stay informed about the latest threats and vulnerabilities in order to be better prepared to mitigate cyber security threats.
- b) Ensuring that employees are aware of best practices for cyber hygiene, such as using Strong passwords, identifying phishing attempts, and keeping software up to date, can go a long way in preventing cyber-attacks.
- c) Another important aspect of risk reduction is implementing appropriate security measures, such as firewalls, intrusion detection systems etc.
- d) Regular backups of important data can also help reduce the impact of a cyber-attack, as it allows for quick recovery of lost or stolen data.
- e) Clear incident response plan in place should be present in case of a cyber-attack which involves steps for containment, investigation, and recovery, as well as communication with stakeholders.

Public Health Emergency and Disaster Management (PHEDM) Tier-III, 30 May-01 June 2023

Key Takeaway/Recommendations

- a) Basic descriptions of emergencies, disasters, public health emergencies and emergency management as well as one health approach.
- b) Empower operational-level functionaries through technical sessions, group activities and in-house mock drills.
- c) Enhance physical and mental well-being, enabling participants to fulfill their roles and responsibilities more effectively.
- d) Discussion on international and national frameworks related to public health emergency and disaster management, including the provisions of the International Health Regulations (IHR) 2005, the obligations of the World Health Organization (WHO), the Sendai Framework, the Sustainable Development Goals and the Disaster Management Act 2005, among others.



Disaster Risk Reduction Measures for Extreme Weather Events, 30 May-02 June 2023

Key Takeaway/Recommendations

- a) Rising global average temperature is associated with widespread changes in weather patterns.
- b) Extreme weather events such as heat waves and large storms are likely to become more frequent or more intense with human-induced climate change.
- c) Climate Change induced extreme weather events have significant impacts on lives, property and infrastructure leading to human and economic losses.
- d) Need to develop better understanding of climate change and the resultant phenomena..
- e) Need to develop comprehensive climatic data for national and regional levels. Also, better climate modeling is required to understand current climatic variability and predicting future climatic patterns.
- f) Imperative to develop comprehensive multi-hazard Early Warning System for a highly vulnerable country like India.
- g) Another significant area of concern is communication during disasters. There is a need to develop comprehensive communication networks which can help during and after disaster.



Training of Trainers Programme on Child Centric Disaster Risk Reduction (CCDRR), 05-09 June 2023

Key Takeaway/Recommendations

- a) Understanding basic information about corona virus disease (COVID-19), including its symptoms, complications, how it is transmitted and how to prevent transmission.
- b) Learn basic concepts related to Disaster Management and measurement of Disaster Risk Management.
- c) Recognize the link between volunteerism and mental-stress, psychosocial issues and wellbeing.
- d) Tackle the psychological related issues of children at the time of disaster. To build the capacities by training officials about risk informed Programming, life cycle approach, school safety techniques in different aspects.



Child Centric Disaster Risk Reduction, (CCDRR), 05-09-June 2023

ToT Programme on Chemical Biological Radiological and Nuclear (CBRN), 12-16 June 2023

Key Takeaway/Recommendations

- a) Participants were educated on the process of allocating resources effectively during emergencies viz. understanding resource needs, prioritizing their utilization, and ensuring their availability.
- b) Encouragement to foster coordination and collaboration among various line organizations/ offices within the department in disaster situations.
- c) Learning how to assess the risks associated with CBRN incidents, evaluating potential impacts, and developing strategies to mitigate these risks effectively.
- d) Risk assessment and identification specific to CBRN activities was a crucial step in developing effective disaster management for civil defense.
- e) Program emphasized the need for developing awareness to minimize disruptions caused by CBRN disasters.
- f) Importance of conducting regular drills and exercises to improve response capabilities, and enhance overall preparedness.
- g) Engaging with local communities and stakeholders in CBRN disaster management was highlighted as a crucial aspect through collaboration and awareness-building among the local population.

Training Programme on Blending Traditional Housing Construction Practices with Modern Technology, 13-15 June 2023

Key Takeaway/Recommendations

- a) Need to assess town capabilities, vulnerabilities, and resource availability.
- b) Stakeholder of the state should be updated by conducting such training workshops. However, this training workshop was a state level workshop which also should conduct at the district and block level to more educate the stakeholders.
- c) Important to recognize whether the structure is safe or not beside its appearance and for that every structure should be assessed for every disastrous situation.
- d) Provision of a new dimension to all the participants via training workshop regarding the blending techniques because in the current situation such efforts are really very fruitful.
- e) Climate change affects health, transportation infrastructure, and critical systems in addition to increasing the intensity and frequency of disasters.



Training Programme on Disaster Risk Mitigation and National Disaster, 13-15 June 2023

Key Takeaway/Recommendations

- a) Crucial platform for disaster management, centralizes data for effective response, and enhances preparedness and recovery efforts.
- b) Foundation for effective disaster management collects relevant information on hazards and vulnerabilities.
- c) Derives valuable insights, informs evidence-based decision-making.
- d) Ensures portal efficiency, timely and accurate updates for real-time coordination during disasters.
- e) Integrates disaster risk reduction into developmental plans from micro to macro levels.

DRR: Governance, Planning and Strategies, 15-17 June 2023

Key Takeaway/Recommendations

- a) Solid understanding of the fundamentals of Disaster Risk Reduction (DRR), including distinguishing between natural hazards and the resulting disasters.
- b) Recognize the significance of geographic information systems (GIS) and remote sensing in mapping hazards, vulnerabilities, and available resources.
- c) Importance of early warning systems in minimizing the impact of disasters must be encouraged.
- d) Understanding the pivotal role of involving local communities in DRR efforts.
- e) Strategize the significance of policy frameworks and governance structures in facilitating DRR initiatives.
- f) Engage in simulation exercises to apply the learned concepts in simulated disaster scenarios.



Preparation of Departmental Disaster Management Plans, 19-21 June 2023

Key Takeaway/Recommendations

- a) Provision of training should be provided to line departments to assess their own hazards, risks, vulnerabilities, and capacities.
- b) Interconnections between disaster and development remain unaddressed, existing in isolation.
- c) All departments should collectively brainstorm the connections between disasters and development schemes.
- d) Developing planning that revolves around people's needs is essential to enhance quality of life.
- e) Responsibilities of various stakeholders must be clearly defined to effectively integrate disaster management plans into developmental planning, thereby minimizing adverse impacts.
- f) Convergence of Sustainable Development Goals (SDGs) and the Sendai Framework are crucial, especially at the district level, to achieve effective disaster risk reduction.



Training of Trainers on School Safety Plan and Auditing, 19-23 June 2023

Key Takeaway/Recommendations

- a) Training sessions included showcasing case studies of past Uttarakhand disasters, which revealed the substantial impact of various hazards like earthquakes, floods, cloudbursts, and forest fires.
- b) Emphasis must be on the necessity for safety measures to provide a secure environment and educational facilities for school children.
- c) Examining the challenges faced by hill towns in a changing climate exposed prolonged shifts in temperatures and weather patterns.
- d) Unplanned urbanization is undermining societal safety.
- e) Necessitating meticulous planning that aligns with the town's carrying capacity.
- f) Recognizing the significance of integrating building codes into state-level legislation and securing legislative support at the local, municipal, and panchayat levels.



Training of Trainers Programme on Child Centric Disaster Risk Reduction (CCDRR), 19-23 June 2023

Key Takeaway/Recommendations

- a) Comprehending the nature of disasters leading to public health emergencies and their particular impact on children.
- b) Acquiring an understanding of the emotional and physical requirements among the parents of their children.
- c) Learning stress management mechanisms and strategies to support the mental well-being of children during emergencies.
- d) Adopting a lifecycle approach to address the distinct needs and necessities of children.
- e) Focusing on child-centric disaster risk reduction training, which highlighted the greater vulnerability of children and emphasizing the necessity for adequate preparedness within service-providing establishments.
- f) Ensuring the implementation of various safe school protocols by school authorities and other relevant stakeholders.



Training Programme on Developing Disaster Management Plans by the Line Organizations/Offices of the Ministry Mines, 19-23 June 2023

Key Takeaway/Recommendations

- a) Underlining the significance of disaster management within the Ministry of Mines and stressing the necessity for readiness in the face of potential disasters and their potential impact on mining operations.
- b) Assessing risks and pinpointing potential hazards specific to mining activities.
- c) Creating emergency response plans customized for the mining sector by establishing communication channels, evacuation protocols, and strategies for addressing diverse emergencies.
- d) Encouraging the cultivation of coordination and collaboration among various departments/offices under the Ministry of Mines during times of disasters.
- f) Emphasizing the value of consistent training and capacity-building initiatives to enhance the disaster management competencies of Mines personnel.



Training of Trainers (ToT) Programme on Incident Response System (IRS): Basic, 20-22 June 2023

Key Takeaway/Recommendations

- a) Essential to secure the participation of revenue personnel during such programs.
- b) Intermixing of course sessions videos related to planning and pre-planning meetings should be incorporated.
- c) Professionals with practical experience should discuss their encounters and difficulties in employing IRS for emergency management.
- d) Including field visits as part of the course would provide concrete experience.
- e) Need to review existing disaster management plans in order to integrate IRS comprehensively.

Conferences/Workshops/Seminars (Organized from April-June 2023)

Consultative stakeholder workshop for implementation of Public Health Emergency and Disaster Management (PHEDM)-Tier III Training, 24-25 April 2023.

Stakeholder Consultative Workshop was organized by National Institute of Disaster Management (NIDM) under Ministry of Home Affairs (MHA), Government of India (GoI), in conjunction with National Center for Disease Control (NCDC) and Directorate General of Health Services (Dte.GHS), Ministry of Health and Family Welfare (MoHFW), Government of India (GoI). It scheduled to implement enhancement of Tier-III capacity in Public Health Emergency and Disaster Management (PHEDM). Additionally, U.S. Centers for Disease Control and Prevention (CDC) Country Office, India, collaborated in this initiative. It aimed to strengthen preparedness and response capabilities for handling public health emergencies and disasters in India.



National Conference on Energy Efficiency in Urban Planning for Enhanced Urban Resilience, 26-27 April 2023

A National Conference titled 'Enhancing Urban Resilience through Energy Efficiency Planning' was held as a collaborative event between the School of Planning and Architecture in Vijayawada and the National Institute of Disaster Management, Rohini campus. The conference featured a total of six technical sessions. These sessions showcased contributions from 91 authors who presented their research papers. The conference enlisted resource persons from diverse institutions, including SPA Delhi's Department of Architecture, IIT Roorkee's Department of Architecture and Planning, NIT Hamirpur, University of West England (Bristol, UK), University of Lille (France), Faculty of Architecture Building and Planning at the Melbourne School of Melbourne, NTNU (Norway), ASTI Series.



Workshop on Building Disaster Resilience Infrastructure, 29 April 2023

The workshop on 'Building Disaster Resilient Infrastructure' was organized by the National Institute of Disaster Management in collaboration with Shivaji College, University of Delhi, and supported by the Ministry of Home Affairs, Government of India. The workshop aimed to raise awareness among university administrators and stakeholders about the critical importance of incorporating disaster risk reduction and resilience into infrastructure planning. It created a framework for Disaster Management Plans tailored to resilient infrastructure within universities, bolstering their capacity in plan development and implementation. The workshop centered on comprehending the concepts of disaster resilient infrastructure, sharing best practices in this context, and addressing disaster risk assessment and management specifically tailored to universities.

Workshop on 'Building Resilience against Cyber Disasters', 02 May 2023

A one day workshop on **Building Resilience against Cyber Disasters** at NIDM Rohini campus was conducted. Hon'ble Home Minister's initiative was to make each department and ministry cyber-aware, through specialized training. So, NIDM took the initiative by conducting the workshop on cyber awareness, and the workshop followed the Cyber Security Guidelines for Government Employees shared by @MeitY.

Shri Rajendra Ratnoo, ED, NIDM was the patron of this programme and Prof. Surya Parkash, Head, Centre for Cyber DRR, NIDM chaired the session. ED, NIDM highlighted the growing concern of cyber disasters in India as the country rapidly digitizes its economy and society.

The objective of this workshop was to educate individuals and organizations about the importance of being prepared and proactive when it comes to cyber security. During the workshop, the staff and faculty members of NIDM learned about the different types of cyber disasters and how it can impact our personal and professional lives. Attendees gained valuable insights and knowledge about building resilience against cyber disasters.



A Brainstorming workshop on Forest Fire Current Status of Mitigation, Preparedness and Response, 10 May 2023

A Brainstorming workshop on **Forest Fire: Current Status of Mitigation, Preparedness, and Response** held at National Institute of Disaster Management, Rohini campus. The workshop primarily focused on enhancing understanding of preparedness measures and effective response strategies. Participants deliberated on the latest developments related to forest fires, exchanged knowledge, and devised actionable steps to address this pressing issue. The workshop facilitated the formulation of comprehensive strategies for immediate response, ensuring a more coordinated and efficient approach to manage forest fire incidents.

Sensitization Workshop on Disaster Management and Climate Change, 16 May 2023

University of Delhi organized a one day workshop on Disaster and Climate Change in collaboration with IUINDRR-NIDM, Ministry of Home Affairs and Govt. of India. This programme was unique for the young faculties and scientists who interacted with the specialists in various fields, such as geologists, environmentalists, engineers etc., to get acquainted with the change in the climate, global warming and natural and man-made disasters. The aim was to elucidate how disaster and climate change are related to each other for the benefit of young students (Researchers), teachers, different faculty members of universities and colleges, Engineering institutions and Departments to cover the risk, crisis, disaster and development sectors.



Workshop on Disaster Management, 18 May 2023

A workshop on Disaster Management grasped at Rafi Ahmad Kidwai National Postal Academy (RAKNPA) situated in Ghaziabad, Uttar Pradesh. The event was specifically arranged for the officials of Postal Service with the aim of facilitating, sharing the exchange of knowledge regarding disaster risk reduction and resilience. Furthermore, the workshop aimed to bolster the community's capabilities. The key goal of the seminar was to provide participants with an understanding of significant international agreements and declarations related to disaster risk reduction, climate change, urbanization, and sustainable development. The workshop garnered the participation of approximately 29 attendees.



Workshop on Vulnerabilities and Risks in Punjab: Moving Towards Disaster Risk Reduction, 15-16 June 2023

A workshop on Vulnerabilities and Risks in Punjab: Moving Towards Disaster Risk Reduction was organized by National Institute of Disaster Management in collaboration with Mahatma Gandhi State Institute of Public Administration (MGSIPA) at MGSIPA, Chandigarh. More than 70 participants from various departments of Punjab attended the workshop. The workshop was focused on two aspects of Disaster Risk Reduction namely; sensitization of the participants towards the vulnerability of the state of Punjab towards Earthquakes, Floods, Fire and Health emergencies and secondly the measures to be undertaken to reduce and minimize the risk of such hazards.

Online Training Programs (Organized from April-June 2023)

S No	Name of the program	Date
1	Online Training Program on Leveraging Technologies for Disaster Risk Reduction and Resilience	26-28 April 2023
2	Online Training Programme on Changes GIS Mapping for Disaster Mitigation and Risk Reduction	09-11 May 2023
3	Online Training Program on Nature based Solutions: A Need for Integration in Development Plans	22-24 May 2023
4	Online Training Programme on Child Protection & Child Rights in Disasters and Emergencies	19-21 June 2023

Webinars (Organized from April-June 2023)

S No	Name of the webinar	Date
1	(PM 10 Point Agenda No. 1,3&9; SDG: 3&5) Child Health and Nutrition in Emergencies	06 April 2023
2	Health infrastructure during emergencies Organized by NIDM	13 April 2023
3	Psychosocial care for children during d isasters organized by NIDM South Campus	13 April 2023
4	Child Protection during Disasters and Emergencies	20 April 2023
5	Role of Geosciences in Disaster Management	22 April 2023
6	Cyber Threats and Disaster Mitigation	26 April 2023
7	Role of Remote Sensing in Heatwave Management	27 April 2023
8	Children, Adolescents and Climate Change	27 April 2023
9	Use of Space Technologies for Disaster Risk Reduction and Resilience	28 April 2023
10	Risk Management for Historic Houses: Resilience in Visitor -and Site-Management	28 April 2023
11	Seismic Retrofitting for Resilient Buildings and Infrastructure	12 May 2023
12	Creating Environmental Awareness among Children and Adolescents in Collaboration with Punjab University	16 May 2023

S No	Name of the webinar	Date
13	Cyber Disaster Recovery and Preparedness	18 May 2023
14	Maps to Action Leveraging Geospatial Technologies for Disaster Preparedness and Response	19 May 2023
15	Advanced Technologies for Effective Emergency Management	19 May 2023
16	How Rooftop Lightweight Construction Works	19 May 2023
17	How Ground Penetrating thunderbolt (lightning) arrestor works?	26 May 2023
18	Understanding Landslide Disaster Risk Reduction and Resilience	30 May 2023
19	How Rejuvenation of Water Bodies by Natural Extract Works	02 June 2023
20	Environmental and Industrial Disaster Risk Reduction	05 June 2023
21	Environmental Resilience: Integrating Disaster Management for a Sustainable Future	05 June 2023
22	How Earthquake induced Liquefaction Mitigation Measure Works?	09 June 2023
23	Children and Water Sanitation and Hygiene (WASH) during disasters: concerns and practices	14 June 2023
24	How bridge monitoring & inspection works?	16 June 2023
25	LoRA based communication in disaster works	23 June 2023
26	How urban flood wall barrier system works?	30 June 2023







Resilient India - Disaster Free India

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