

TIDINGS

NIDM Newsletter-20/2023
(July-September 2023)



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

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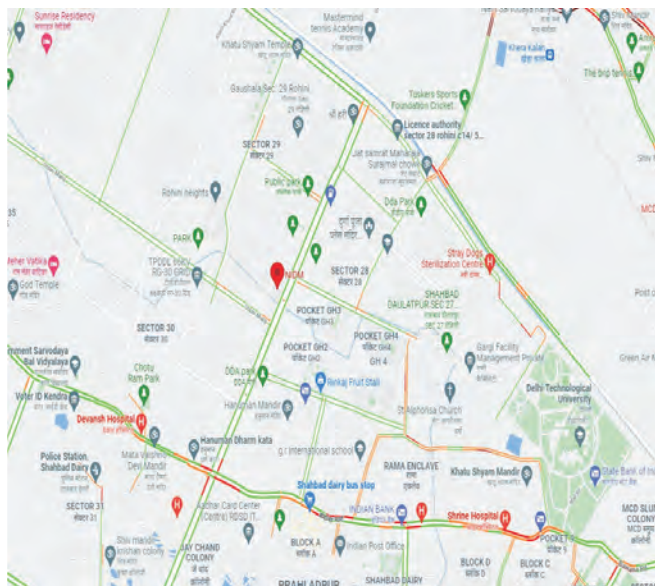
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About NIDM

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,

As you all have witnessed, the fury of seasonal hazard of floods was experienced in varied parts of the country in this quarter. Bihar, Madhya Pradesh, Gujarat, Punjab, Haryana, Uttarakhand, Rajasthan and the National capital of Delhi bore the brunt of this natural hazard with the disaster claiming many precious lives and affecting thousands.

In this string of disasters, the state of Himachal Pradesh, experienced cloudburst and heavy rainfall resulting in deadly landslides and floods. Images of hillside buildings crashing down, along with trees and debris was all over the media. The state is still reeling under the impact and is in the process of assessing damages caused by the floods which is expected to be thousands of crores. The floods coupled with landslides exposed the fragile ecosystem of the state along with its high vulnerability. It has also made us stop and rethink about the development pattern being followed to develop infrastructure to boost tourism. Alongside, the neglect of natural resources to accommodate development has resulted in disastrous consequences.

I would take this opportunity to request all of you to pause and inculcate the learnings from this disaster. Please avoid building houses and infrastructure in flood and landslide 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 flood resilience in the country.

Shri Rajendra Ratnool, IAS
Executive Director

Recent Activities (July-September 2023)



1. IUINDRR, National Institute of Disaster Management has recently signed an MoU with the Institute of Civil Engineers (India). This strategic partnership paved the way for groundbreaking collaborations in disaster management and civil engineering, 11 July 2023

2. National Institute of Disaster Management (NIDM) and Asia and Pacific Centre for Transfer of Technology (APCTT), United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) explore disaster management solutions during their pivotal meeting on 17 July 2023.



3. National Institute of Disaster Management in association with the Department of Science and Technology (DST), Government of India, 18 July 2023 at Constitution Club of India, New Delhi, organized a high-level consultation workshop on 'Adaptation, Resilience & Sustainability Knowledge Network' for Addressing Climate Change. Dr. Akhilesh Gupta, Secretary SERB chaired the meeting. The workshop highlighted the role of nature-based solutions, science, technology, and

private sector involvement in building resilience and sustainability. It stressed the need to develop a futuristic roadmap and vision for supporting climate change adaptation through a national-scale knowledge network. The event aimed to bring together knowledge and expertise to facilitate the creation of a Knowledge Network for Addressing Climate Change, fostering community resilience and adaptation strategies through the timely dissemination of relevant information.



4. ED, NIDM extended his sincerest gratitude to Prof. CVR Murty from IIT Madras and former ED NIDM, Sh. Anil K. Sinha, Maj Gen M. K. Bindal, Sh. Taj Hassan IPS, Prof. Santosh Kumar for their valuable insights on Restructuring of the National Institute of Disaster Management, 20 July 2023.



5. NIDM participated in the side event held during the 3rd G20 Disaster Risk Reduction Working Group Meeting in Chennai, 24-26 July 2023. The event was graced by notable dignitaries, including G20 Sherpa Ambassador Shri Amitabh Kant, Dr. P.K Mishra, Principal Secretary to Prime Minister; and Ms. Mami Mizutori, Special Representative of the UN Secretary-General among others. Dr. Mishra emphasized the magnitude and interconnectedness of climate change-induced disasters and their already observable impacts worldwide. He stressed the urgency of transitioning from incremental changes to a transformative approach in managing disaster risks, spanning from local to global levels.

The event highlighted the global consensus on the imperative to address climate change-related challenges proactively and promote international collaboration for enhancing disaster resilience and infrastructure governance. The day underscored the critical need for comprehensive and transformative actions to mitigate the impact of climate change-induced disasters on a global scale.



6. National Institute of Disaster Management & United Nations International Children's Emergency Fund (UNICEF) have joined forces to create an innovative Social & Behavioural Change Communication (SBCC) Toolkit for Earthquakes, Cyclones, Floods & Public Health Emergencies. The event took place on 08Aug 2023.

7. National Institute of Disaster Management after the massive floods of 9-11 July 2023 in association with National Disaster Management Authority conducted a Post-Disaster Needs Assessment (PDNA) for recovery & reconstruction planning. Backed by a 22-member team including experts from National Disaster Management Authority (NDMA), National Institute of Disaster Management (NIDM), Central Drug Research Institute (CDRI), United Nations Development Programme (UNDP), United Nations International Children's Emergency Fund (UNICEF), Indian Institutes of Technology (IIT), Jaypee University & 60+ dedicated officers attended the programme, 07-08 Aug 2023.



8. Sh. Lalit Gabhane, Director General, National Safety Council of India, visited National Institute of Disaster Management on Aug 10 2023. The meeting initiated the pivotal step towards innovative partnerships in safety and disaster management.

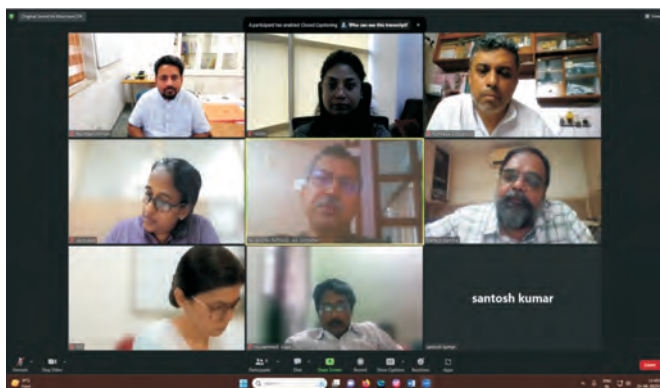


9. Sh. Rajendra Ratnoo, IAS, ED, NIDM, explored climate solutions & sustainability in a productive meeting with Dr. Vibha Dhawan, Director General, The Energy and Resources Institute (TERI). The meeting also involved Ms. Suchita Bhadwal, Director and Dr. Sreeja S. Nair, Fellow, 14 Aug 2023.



10. Sh. Rajendra Ratnoo, IAS, ED, NIDM, addressed Invaluable insights during a productive discussion on Disaster Risk Reduction with Mr. Anup Karanth, Senior Specialist in Disaster Risk Management, World Bank on 17 Aug 2023.

11. Sh. Rajendra Ratnoo, IAS, ED, NIDM presided over the workshop namely 'Unfolding challenges of Humanitarian Crisis during disasters'. The event was organized by International Institute of Health Management Research, New Delhi which took place on 19 Aug 2023.



12. IUINDRR and Tata Institute of Social Sciences joined forces in a productive exploratory meeting on 25 Aug 2023.

13. IUINDRR-NIDM had the privilege of hosting Prof. Dr. Vinita Sahay (Director of IIM Bodh Gaya) for a fruitful discussion on collaborative initiatives at NIDM, Delhi campus, 25 Aug 2023.



14. National Institute of Disaster Management (NIDM), under the Ministry of Home Affairs, Government of India, has appointed Maithili Thakur as their first-ever Brand Ambassador. Maithili was already well-known as a youth and cultural icon not only in India but also worldwide. She has earned a significant reputation through her folk and devotional singing. Starting her singing career under the guidance of her father Ramesh Thakur at a very young age, Maithili has performed on various prestigious stages. On 30 Aug 2023 at the Constitution Club, New Delhi, Executive Director of the National Institute of Disaster Management, Sh. Rajendra Ratnool, IAS, stated that Maithili, through her voice and music, not only preserves India's cultural heritage but also brings solace to millions. He also mentioned that while natural disasters cannot be prevented, their impact can be minimized, and NIDM is working in this direction.





15. An International Conference on Dam Safety had a fantastic conversation with the Ambassador of Denmark, 14-15 Sept 2023, Jaipur.



16. Occupational Safety and Health Service welcomed Sh. Rajendra Ratnoo, IAS, Executive Director of NIDM, as the Guest of Honor at OSH Gurukul Conference, 21-22 Sept 2023, New Delhi.



17. डॉ. कृष्णाकांत पाठक, वित्त सचिव, राजस्थान सरकार की अध्यक्षता में दिनांक 26 सितंबर 2023 को राष्ट्रीय आपदा प्रबंधन संस्थान में हिन्दी पखवाड़ा-2023 का सफलता पूर्वक समापन समारोह आयोजित किया गया। कार्यकारी निदेशक, राजेन्द्र रत्नू (भा.प्र.से.) के कुशल नेतृत्व एवं मार्गदर्शन में आयोजित इस कार्यक्रम में संस्थान के समस्त अधिकारी, कर्मचारी एवं दिल्ली विश्वविद्यालय के स्वामी श्रद्धानंद महाविद्यालय के छात्रों एवं शिक्षकों ने शिरकत की।

18. The 13th International Conference of the International Society for Integrated Disaster Risk Management (IDRiM 2023), organized by the Centre of Excellence in Disaster Mitigation and Management (CoEDMM) at IIT Roorkee, was set to explore the theme of "Integrated DRR for Inclusive Sustainable Development: Science, Policy, and Practice Dialogues [InSPIRE-Dialogue]". The event took place on 28-30 Sept 2023. Sh. Rajendra Ratnoo, IAS, ED, NIDM presented the inaugural address in the event. The conference underscored the significance of three pivotal global agreements in 2015:

the Sendai Framework for Disaster Risk Reduction, Sustainable Development Goals, and the Paris Agreement on Climate Change, emphasizing their potential for policy coherence and advancing health and environmental preservation until 2030. Integrated Disaster Risk Reduction (IDRR) emerged as a holistic approach aligning disaster risk reduction, sustainable development, and social inclusion, with a strong focus on inclusivity. The conference highlighted India's role in global disaster management initiatives, promoting a shift towards prevention, preparedness, and mitigation-centric approaches for long-term goals and emphasizing the importance of innovation, technology, and sustainability in addressing future challenges.



Face to Face Training Programmes (Organized from July-September 2023)

Training Programme on Incident Response System (IRS): Basic and Intermediate, Odisha, 03-06 July 2023

Key Takeaways

- a) IRS trainings may be conducted based on scenarios pertaining to concerned state.
- b) Participation of senior officials is a must so that implementation becomes smooth.
- c) Some live demonstrations by practitioners is must for more clarity in roles to be performed during the events or incidents.
- d) IRS, as a system, provides for strategies so that effective and coordinated response amongst agencies coming forward to respond, can be undertaken.
- e) Clear roles and responsibilities ensure negligible confusion in performing response activities.
- f) IRS functions as a part of larger response process and hence its effectiveness lies in effectiveness of other ingredients of the process such as DM Plan, EOC, IDRN and ESFs.
- g) IRS is always based on the fact that functions being mentioned in IRS system must be performed irrespective of the fact whether the position is activated or not.



ToT/PDP on PDNA for Long-term Recovery, Delhi, 03-07 July 2023

Key Takeaway/Recommendations

- a) Strengthening the ability to conduct thorough Post-Disaster Needs Assessments (PDNA) is crucial for the success of recovery plans.
- b) Training of Trainers (ToT) programs and the use of advanced AI technologies can enhance participants' understanding of disasters and enable them to train individuals at the grassroots level.
- c) Recovery and reconstruction efforts should prioritize the preservation of cultural heritage,

relocation of land use, community engagement, integration of disaster risk reduction (DRR) and Build Back Better (BBB) principles, employment, livelihood restoration and compliance monitoring.

- d) Information management, data analysis, and evidence-based decision-making are critical for effective disaster response and recovery.
- e) Violence, including gender-based violence, can increase during and after disasters, and efforts must be made to address and prevent such incidents in rescue and relief centers.
- f) Assessing the impact of disasters on employment and livelihoods involves collecting baseline data, analysing damages and losses, assessing post disaster employment situations, and developing strategies for recovery and rebuilding livelihoods.
- g) Collaboration, coordination with development partners and stakeholders are essential for successful recovery and reconstruction efforts.



ToT/PDP on PDNA for Long-term Recovery, Delhi, 03-07 July 2023

Training of Trainers Programme on Child Protection and Child Rights in Disasters and Emergencies, Punjab, 03-07 July 2023

Key Takeaway/Recommendations

- a) Child protection in emergencies is a critical aspect of ensuring the well-being and rights of children during challenging times such as disasters and crises.
- b) Problem of children in emergencies such as killing, maiming, torture, and abduction should be highlighted.
- c) Important to develop a child protection system and support the social service workforce, assisting governments with policy, legislation, regulatory frameworks and human resources.
- d) Child protection concerns should be reflected in the assessment, design, monitoring and evaluation of health programmes.
- e) Close collaboration between education and child protection actors on a range of issues including child-friendly spaces and child protection prevention measures is required.
- f) Emergencies increase the exposure of children to the justice system as alleged offenders, victims or witnesses, or in a combination of these roles.



Training of Trainers Programme on Child Protection and Child Rights in Disasters and Emergencies, Punjab, 03-07 July 2023

Training Programme on Child Centric Disaster Risk Reduction, Ladakh, 10-14 July 2023

Key Takeaway/Recommendations

- a) Child-Centric Disaster Risk Reduction has a primary focus on children's needs, vulnerabilities, and capacities in the context of disasters and emergencies.
- b) Important to identify the hazards and assessment of its magnitude and probability of their occurrence.
- c) Strengthen the capacity of the system to manage the health risks of children, by reducing hazards or vulnerability, or responding to, and recovering from a disaster.
- d) Capacity to obtain, analyze, and communicate information on risks, relief needs and lessons learned from earlier disasters to formulate strategies for mitigation in future scenarios.
- e) Important to emphasize on Child-Centric Disaster Risk Reduction and life cycle approach and integrate risk-informed programming into CCDRR.
- f) Comprehending the nature of disasters leading to public health emergencies and their particular impact on children.
- g) Acquiring an understanding of the emotional and physical requirements of the parents of their children.
- h) Child concerns must be included in formulating and implementing disaster management policies, plans, laws and regulations at different levels.



Training Programme on Child Centric Disaster Risk Reduction, Ladakh, 10-14 July 2023

Training Programme on Psychosocial Care in Disaster Management, Telangana, 11-13 July 2023

Key Takeaway/Recommendations

- a) Vital to empathize with both the survivors and the caregivers in disastrous situation.
- b) Have to be careful while extending psychosocial care to children.
- c) Give ample time and use various techniques to help children cope with the losses during disaster.
- d) Disability rehabilitation professionals can contribute in making the process of disaster risk reduction and management more inclusive and appropriate for PwDs.
- e) While extending psychosocial care in disaster management, it is very important to take care of one's own mental health and prevent burnout.
- f) Regular exercise, rest breaks and space to share helps in preventing burnout.



Psycho-Socio Care in Disasters and Emergencies (technical cooperation with Sphere India) ToT for Volunteers & Civil Society, Delhi, 12-14 July 2023

Key Takeaway/Recommendations

- a) Inclusive training initiatives for grassroots-level counselors and psychosocial support providers should be developed.
- b) Vulnerability mapping by explicitly integrating psychosocial challenges and disaster scenarios should be improved.
- c) Preparedness and response strategies should be strengthened effectively to address exacerbated psychosocial issues.
- c) Integration of psychosocial aspects into vulnerability assessments across all disaster phases, ensuring a comprehensive approach to addressing well-being.
- d) Forge global partnerships to create culturally tailored tools and guidelines for impactful psychosocial care, addressing diverse populations' unique needs.
- e) Gender-sensitive psychosocial support programs for women, addressing post-disaster vulnerabilities, promoting empowerment, well-being, and resilience must be developed.



Psycho-Socio Care in Disasters and Emergencies (technical cooperation with Sphere India)
ToT for Volunteers & Civil Society, Delhi, 12-14 July 2023

Training Programme on Child Protection & Child Rights in Disasters and Emergencies, Kerala, 18-22 July 2023

Key Takeaway/Recommendations

- Training successfully enhanced the participants' professional knowledge regarding child protection and child rights in disaster situations.
- Participants were educated on the various stages of disaster management, including preparedness, response, and recovery, with a lens on child-centric approaches.
- ICDS workers gained a deeper understanding of the vulnerabilities and specific needs of children during emergencies, enabling them to respond effectively to protect and support children during such challenging times.
- Participants were developed the skills to identify potential areas of intervention for child protection during disasters.
- ICDS workers learned to design age-appropriate interventions, incorporate child protection principles into relief efforts, and prioritize the well-being of children in emergency response plans.



Training Programme on Child Protection & Child Rights in Disasters and Emergencies, Kerala, 18-22 July 2023

Training Programme on Engaging Youth & Adolescents in DRM & CCA, Andhra Pradesh, 24-28 July 2023

Key Takeaway/Recommendations

- a) Impact of disasters on populations and the ways, means and importance of engaging youth in DRR.
- b) Youth involvement in climate change adaptations and its impact on ground.
- c) Sustainable strategies for mainstreaming DRR and CCA among youth.
- d) Lessons on public health, mental health and strategies to deal with related issues during and after disasters and emergencies.
- e) Learning on correlations between gender and complex emergencies and why it is important to be gender sensitive during and after disasters.
- f) Role and involvement of multi-stakeholders including Govt agencies, NGOs and other organizations in DRR and CCA.
- g) Practical and field experiences in using sustainable methods in DRR and CCA.



Training Programme on Engaging Youth & Adolescents in DRM & CCA, Andhra Pradesh, 24-28 July 2023

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

Key Takeaway/Recommendations

- a) Some live case study discussions during the programme will add to its value in addition to field sessions and practicals.
- b) Training workshops should be conducted for all the segments (Teams) by segregating the members as per the roles they have to perform, so that there is role clarity.

- c) Videos pertaining to live meetings such as planning, pre-planning may be added to buttress the effectiveness of the course. Such videos may be obtained from NDRF or states who have been using IRS.
- d) Mock drills on utilization of IRS is must to be implemented.
- e) Sharing of experiences from states implementing IRS would provide a great insight.

Public Health Emergency and Disaster Management-Professional Development Programme (PHEDM-PDP) Tier-III, Rajasthan, 26-28 July 2023

Key Takeaway/Recommendations

- a) Discussed international and national frameworks for public health emergency and disaster management, including, the Sendai Framework, the Sustainable Development Goals, the International Health Regulations (IHR) 2005, and the World Health Organisation (WHO) obligations.
- b) Strengthened the resilience of the region and ability to effectively address any emergency situations that may arise.
- c) Need to improve individuals' physical and mental well-being, allowing them to carry out their tasks and obligations more successfully.
- d) Empower operational-level employees through technical training and team building exercises.
- e) Contributed to bolstering the readiness and response capacities of relevant stakeholders.
- f) Augment regional resilience and effectively address any potential emergency scenarios.



Training Programme on Incident Response System: Basic & Intermediate, Andaman & Nicobar, 02-04 Aug 2023

Key Takeaway/Recommendations

- a) IRS, as a system, provides for strategies so that effective and coordinated response can be undertaken.
- b) Efficiency of response increases as the positions under IRS were performed by different trained stakeholders.

- c) Clear roles and responsibilities ensure negligible confusion in performing response activities.
- d) IRS functions as a part of larger response process and hence its effectiveness lies in effectiveness of other ingredients of the process such as DM Plan, EOC, IDRN and ESFs.
- e) IRS is always based on the fact that functions being mentioned in IRS system must be performed irrespective of the fact whether the position is activated or not.
- f) Clarity of roles and responsibilities for effectively coordinating and responding to disasters is a must.
- g) Forms which are integral part of IRS to fix accountability may be continued but must be made simpler and lesser in number.
- h) Notifications must be done with active participation of the stakeholders.



Training Programme on Child Protection & Child Rights in Disasters and Emergencies, Puducherry, 07-11 Aug 2023

Key Takeaway/Recommendations

- a) Action required in understanding child vulnerability at different levels to accomplish their rights because they are more vulnerable than adults.
- b) Need to more work on the prevention and response to abuse, neglect, exploitation, and violence against children during disaster and emergency situations.
- c) Empowering girls and boys to be active agents in their own protection through involving their participation in the assessment, design implementation, and monitoring and evaluation of child protection activities.
- d) Protect children from physical and psychological harm arising from violence and coercion.
- e) Provide information to children on existing local child protection mechanisms with key contact information and how to access services, if necessary.
- f) Include children and adults in mapping risks, safe spaces, and safe routes to get home, to school, or to access support systems in disasters.

Training Programme on Urban Risk Mitigation: Focus on Fire and Seismic, Delhi, 08-10 Aug 2023

Key Takeaway/Recommendations

- a) Strengthen capacity building efforts and training programs for engineers, architects, planners and masons to enhance disaster mitigation capabilities.
- b) Best approach to the earthquake problem is to work on all the fronts simultaneously that is engineering, science and instrumentation, public awareness and public policy.
- c) Highlighted the significance of seismic safety for non-structural elements within buildings. Conduct real-scale seismic or fire safety tests to assess damage intensity and devise mitigation & response measures accordingly.
- d) Implement sensors and non-contact techniques for Structural Health Monitoring (SHM) and large-scale infrastructure such as highways, dams, railways or bridges by utilizing damage mapping.
- e) Prioritize retrofitting of existing structures, especially critical infrastructure, through case studies and external reinforcement measures. Integrate disaster-resilient housing technologies into urban planning, leveraging sustainable practices and lighthouse projects.
- f) Construction practices needs to be evolved by using modern technology with traditional construction practices or by using locally available resources.



Training Programme on Urban Risk Mitigation: Focus on Fire and Seismic, Delhi, 08-10 Aug 2023

Training Programme on Child Centric Disaster Risk Reduction, Goa, 16-18 Aug 2023

Key Takeaway/Recommendations

- a) Understanding of the basic child-centric disaster risks and their preventive measures.
- b) Promoting preventive measures in all forms of natural disasters.
- c) Need to encourage officials to ensure school premises are not used as shelters, treatment units etc.
- d) Provision of an overview of CCDRR with an emphasis on Life Cycle Approach and Risk Informed Programming.
- e) Development of modules and activities to involve children in DRR to enhance their knowledge and

skill on preventive measures for safety and well-being.

- f) Enhance knowledge and awareness among the community regarding safety in school.



Training Programme on Child Centric Disaster Risk Reduction, Goa, 16-18 Aug 2023

Training Programme on Youth Leadership Meet on Water Futures, with focus on water related DRR issues, Delhi, 21-23 Aug 2023

Key Takeaway/Recommendations

- a) Gain comprehensive understanding of water-climate interconnections, explore hydrology, ecology, economics, policy, and social sciences.
- b) Emphasize the importance of climate science knowledge, learn climate modeling, adaptation strategies, and resilience.
- c) Grasp sustainable water practices, focus on conservation, watershed management, water quality.
- d) Understand water and climate policies in India, study laws, regulations, international agreements, explore governance structures at different levels.
- e) Explore innovative solutions for water-climate challenges, study smart water monitoring, renewable energy integration, and sustainable agriculture.
- f) Develop leadership skills for change, enhance communication, teamwork, negotiation, advocacy.
- g) Understand local perspectives on water and climate, Learn community engagement, partnership building, context-specific solutions.



Training Programme on Youth Leadership Meet on Water Futures, with focus on water related DRR issues, Delhi, 21-23 Aug 2023

Training Programme on Integration of Disaster Risk Reduction (DRR) with Gram Panchayat Development Plan (GPDP), Uttar Pradesh, 21-25 Aug 2023

Key Takeaway/Recommendations

- a) Methods and Approaches for including CCA & DRR into Development Planning were discussed
- b) Integration of Legal Policy Framework for Disaster Management and Climate change related issues were imperative for achieving DRR.
- c) Development Schemes and Projects must imbibe the components of mitigation for holistic risk reduction and efficient emergency preparedness and management.
- d) Important to reiterate the priorities and targets set by the Sendai framework and its agenda to be synced with the activities taken under SDGs.
- e) Understanding Hazard, Risk, Vulnerability and Capacity analysis tools and techniques is a necessity to design appropriate strategies for DRR.
- f) Restoration of wetlands for flood mitigation and local development was important for the State of U.P.
- g) Most Rural Development State and Central schemes had immense scope for integration of DRR measures.
- h) Integrated water resource management for Climate Change Adaption and Disaster Risk Reduction must find place in GPDPs along with inclusion of Environmental instruments and approaches.



Training Programme on Integration of Disaster Risk Reduction (DRR) with Gram Panchayat Development Plan (GPDP),
Uttar Pradesh, 21-25 Aug 2023

Training Programme on Engaging Youth & Adolescents in DRM & CCA, Tamil Nadu, 21-25 Aug 2023

Key Takeaway/Recommendations

- Understand basic information about coronavirus disease (COVID-19), including its symptoms, complications, how it is transmitted and how to prevent transmission.
- Develop better standing on basic concepts of Disaster Management and measurement of Disaster Risk Management (DRM) among youth.
- Identify the importance of youth organisations in disaster risk management in the form of creating awareness and assisting the community by acting as a change maker.
- Realizing the linkage between volunteerism and mental well-being and the role of volunteerism in the enhancement of their skills.
- Enumerate the role youths can play in mitigating the climatic challenges or disasters and the importance of youth movement for climate action.
- Need to Develop strategies to tackle the psychological related issues of youth and adolescents at the time of disaster.



FDP on Gender and Disaster Management, Maharashtra, 22-24 Aug 2023

Key Takeaway/Recommendations

- Faculty Development Program (FDP) sheds light on the unequal impact of disasters on individuals based on their gender, emphasizing the unique coping strategies and recovery approaches adopted by men, women, and transgender individuals.
- Program significantly expanded the knowledge base of academic faculty in relation to the intricate dimensions of gender dynamics within the field of disaster risk and resilience. This served to promote a more comprehensive understanding of this pivotal subject.



- c) Program underscored the necessity of developing regulations and contingency plans that cater to the diverse needs of all individuals, irrespective of their gender, during times of disaster.
- d) FDP program acted as a catalyst for the exchange of pioneering ideas and pedagogical approaches within the domain of gender and disaster management. This exchange plays a significant role in advancing teaching and research within this critical academic discipline.

Training Programme on Resilient Infrastructure for Hilly Region, Meghalaya, 22-24 Aug 2023

Key Takeaway/Recommendations

- a) Development of resilient infrastructure in the hilly regions was the need of the hour.
- b) Young participants must be thoroughly involved in generating a lot of thought-provoking ideas and practices and inculcate them into their professional life.
- c) Due to the severity of natural disasters in NE region, the need for disaster management in the field of socio economic and environmental aspects was also focused.
- d) Collaborative efforts across various levels – regional, national, and community is very significant.
- e) Effective collaboration between governments, local communities, and relevant stakeholders is crucial to minimizing the impact of man-made disasters in these vulnerable areas.
- f) Examining past incidents, assessing vulnerabilities, and identifying best practices, disaster management authorities can enhance their understanding of various hazards and their consequences.
- g) Focus on strengthening infrastructure resilience in the hilly regions of Northeast India to achieve sustainable development.
- h) Recognizing vulnerable areas and communities, and aligning efforts with nature is crucial for long-term sustainability and disaster mitigation.



Training Programme on Resilient Infrastructure for Hilly Region, Meghalaya, 22-24 Aug 2023

Slope Stabilization Measures for Railway Embankments on Lumding-Badarpur Hill Sector, Assam, 22-24 Aug 2023

Key Takeaway/Recommendations

- a) Discussed the comprehensive understanding of slope stability principles in hilly terrains.
- b) Discussed the site-specific challenges related to the topography, soil types, and geological conditions in the region.
- c) Elaborated the multifaceted techniques for slope stabilization across hilly terrains.
- d) Consultation with participants, including NFR officials and railway construction agencies emerged with definite site-specific solutions
- e) Delved into the understanding of Bio-engineering application measures as a best suited technology.
- f) Encouraged the promotion of vetiver grass for slope stabilization.
- g) Pilot site at Lumding division was planted with vetiver grass which was followed by the experience sharing and plan for further action with few vulnerable site noted during site visit.



Training Programme on Child Centric Disaster Risk Reduction, Andhra Pradesh, 28 Aug-01 Sept 2023

Key Takeaway/Recommendations

- a) Develop an understanding of the words of disasters such as vulnerability, exposure, capacities, damage, mitigation, prevention, preparedness, reconstruction, resilience, recovery, and response.
- b) Making it possible to identify and evaluate crisis situations.
- c) Being aware of the various aspects of disaster management.
- d) Develop an understanding of both the structural and non-structural aspects of disaster.

- e) Creating awareness and enhancing capacity about the structural safeguards and regulations for home-to-home school safety.
- f) Develop knowledge of different ways, security audit and monitoring mechanisms needed for school safety.
- g) Creating awareness about the health regulations and hygiene practices imposed on schools.



Training Programme on Child Centric Disaster Risk Reduction, Andhra Pradesh, 28 Aug-01 Sept 2023

Training Programme on Incident Response System: Basic & Intermediate, Karnataka, 28 Aug-01 Sept 2023

Key Takeaway/Recommendations

- a) Some live case study discussions during the programme will add to its value as was done for Balasore train accident.
- b) Role play exercise may follow a full-fledged exercise based on scenario of Indian Railways.
- c) Indian Railways must implement the IRS as a system to respond to any accident to have a better coordination.
- d) Indian Railways can explore the possibility of conducting vulnerability analysis for its entire network.
- e) Mock drills on utilization of IRS are a must.
- f) Sharing of resources during any emergency from all stakeholders enhance the response effectiveness.
- g) Railways must also explore ways for better coordination with state and district administration.



Training Programme on Incident Response System: Basic & Intermediate, Karnataka, 28 Aug-01 Sept 2023

Water Urbanism for Resilient Urban Development: Case Study of Varanasi, India, Uttar Pradesh 04-06 Sept 2023

Key Takeaway/Recommendations

- a) Promotion of rejuvenation of water bodies through nature based solutions such as harnessing natural processes and ecological principles.
- b) Promotion of River Health Rejuvenation through technological interpretations such as use of GIS & remote sensing.

- c) Informed and collaborative decision-making for effective restoration efforts.
- d) Self-healing mechanism and vedic science technology together resulted into sophisticated rejuvenation results.
- e) Focus on Water Sensitive Planning and Water Smart Cities
- f) Adoption of holistic, sustainable, and community-oriented approaches to urban water management, which are crucial for building resilient and environmental friendly cities in the face of urbanization and climate change.



Water Urbanism for Resilient Urban Development:
Case Study of Varanasi, India, Uttar Pradesh 04-06 Sept 2023

Training Programme on Child Centric Disaster Risk Reduction, Maharashtra, 04-08 Sept 2023

Key Takeaway/Recommendations

- a) Understanding terminologies of disaster e.g. vulnerability, exposure, capacity, disaster damage, mitigation, preparedness, prevention, reconstruction, recovery, resilience and response.
- b) Understanding the structural and non-structural dimensions of disaster.
- c) School safety plan should be incorporated and taught to all educational staff members as per the NDMA guidelines.
- d) Fire safety should be at highest priority for planning school safety management. Simple mock drills like how to use fire extinguisher, evacuation procedure and how to end small fire through various methods should be taught at all levels from students to school staffs.
- e) Need to emphasize on awareness among students with demonstration models on First Aid Box.
- f) Maintaining a file on school disaster management and school safety as part of school management and educational agenda.



Training Programme on Child Centric Disaster Risk Reduction, Maharashtra, 04-08 Sept 2023

Training Programme on Integration of Disaster Risk Reduction (DRR) with Gram Panchayat Development Plan (GPDP), Uttar Pradesh, 11-15 Sept 2023

Key Takeaway/Recommendations

- a) Methods and Approaches for including CCA & DRR into Development Planning were discussed.
- b) Integration of Legal Policy Framework and Guidelines for disaster management and climate change related issues are imperative for achieving DRR.
- c) Understanding of Hazard, Risk, Vulnerability and Capacity analysis tools and techniques is a necessity to design appropriate strategies for DRR.
- d) Development schemes and projects must imbibe the components of mitigation for holistic risk reduction and efficient emergency preparedness and management.
- e) Important to reiterate the priorities and targets set by the Sendai framework and its agenda to be synced with the activities taken under SDGs.
- f) Climate resilience agenda 2030 must be made integral in all trainings related to rural development.
- g) Preparation of Village and District Disaster Management Plans must incorporate climate change adaptation strategies.
- h) Integrated water resource management, climate resilient agriculture for Climate Change Adaption and Disaster Risk Reduction must find place in GPDPs along with inclusion of Environmental concerns.



Training Programme on Integration of Disaster Risk Reduction (DRR) with Gram Panchayat Development Plan (GPDP), Uttar Pradesh, 11-15 Sept 2023

Training Programme and Child Protection and Child Rights in Disasters and Emergencies, Andhra Pradesh 11-15 Sept 2023

Key Takeaway/Recommendations

- a) Child protection in emergencies necessitates a holistic approach that covers the period before, during, and after an emergency event.
- b) Effective mechanisms include local structures and processes that promote or support the well-being of children.
- c) Children should be able to access basic services and protection in emergencies and the causes and means of exclusion are identified and addressed.

- d) Child protection concerns must be reflected in the development programmer's assessment, design, monitoring and evaluation.
- e) Mainstreaming child protection involves implementing minimum standards to ensure the physical safety and well-being of children during emergencies.
- f) Mental health and psychosocial support bring together diverse, complementary approaches to providing appropriate care.
- g) Children are particularly vulnerable to all forms of undernutrition in times of instability and crisis. Risk-prevention measures should be included in nutrition activities.
- h) Child protection agencies, NGOs, and governments should work together to provide a safe environment for children in emergencies. This includes setting up safe spaces,
- i) Provide relevant inputs to the national and local emergency plans and coordinate linkage with national and local Child Protection and disaster risk and management mechanisms.
- j) Develop an advocacy strategy for issues related to child protection that require sensitization of local authorities and humanitarian actors.



Training Programme on Incident Response System: Basic & Intermediate, Shillong, 11-15 Sept 2023

Key Takeaways

- a) IRS provides for strategies in order to undertake effective and coordinated response.
- b) IRS functions as a part of larger response process and hence its effectiveness lies in effectiveness of other ingredients of the process such as DM Plan, EOC, IDRN and ESFs.
- c) Clarity of roles and responsibilities ensured negligible confusion in performing response activities.
- d) Efficiency of response increases as the positions under IRS were performed by different trained stakeholders.
- e) Sectoral applications of IRS must also be explained during such trainings.
- f) IRS is always based on the fact that functions being mentioned in IRS system must be performed irrespective of the fact whether the position is activated or not.



Training Programme on Incident Response System: Basic & Intermediate, Shillong, 11-15 Sept 2023

Master Trainers on School Safety, Himachal Pradesh, 12-14 Sept 2023

Key Takeaway/Recommendations

- a) Himachal Pradesh Government has been implementing school safety project for making school safety plans and preparedness against disasters.
- b) National Education Policy 2020 highlighted the importance of resilient infrastructure.
- c) Communities must be made aware of and encouraged to adopt gender-free education systems built on the foundations of equality and quality.
- d) Clear guidelines regarding school safety through preparation of School Disaster Management Plan (SDMP) should be prepared by Disaster Management Committee (DMC) for each school of Himachal Pradesh.
- e) Going for multi-hazard preparedness and mitigation approach should be way forward to build resilience of our schools.
- f) Retrofitting measures should be adopted for identified old and weak old school constructions from earthquake hazard.
- g) State government need to provide handholding of schools to help them receive additional financial support to ensure they are adequately funded to implement health and safety equipment.
- h) Students should be encouraged to share the information gained from mock drills or awareness programs on disaster management at their homes and in their community.



Master Trainers on School Safety, Himachal Pradesh, 12-14 Sept 2023

Training Programme on Public Health Emergency Operations Centre (PHEDM), Gujarat, 13-15 Sept 2023

Key Takeaway/Recommendations

- Strengthen multisectoral, multidisciplinary, and multi-layered coordination to manage public health emergencies and disasters.
- Enhance the capacity of the state for risk mapping, prevention, preparedness, mitigation, response and recovery from public health emergencies and disasters using IMS/IRS applications.
- Acquaint with the Threat and Hazard Identification and Risk Assessment (THIRA)/ Risk communication concept and details.
- Provide a further understanding of key Public Health Emergency Operations Centre (PHEOC) infrastructure and information technology concepts.
- Provide the basic concepts of preparedness and response at Points of Entry (PoE) concerning PHEDM.
- Develop the mechanism between the mentor-mentee that appraised the mentors about Public Health Emergency and Disaster Management and discussed the roles and responsibilities of a mentor and strategies for effective mentoring.



Training Programme on Public Health Emergency Operations Centre (PHEDM), Gujarat, 13-15 Sept 2023

Training Programme on Comprehensive Disaster Management, Delhi, 18-22 Sept 2023

Key Takeaway/Recommendations

- Need to mainstream disaster risk reduction in entire Jawahar Navodaya Vidyalaya (JNV) family. Hence, there must be a session on disaster risk reduction in every meeting involving JNV commissioners, Dy commissioners, Principals and other such officials being conducted by Navodaya Vidyalaya Samiti.

- b) Programme should discuss more case studies from various locations of JNVs.
- c) Every JNV must make provision for earmarking of the psychosocial counselling room for the students.
- d) Need to increase awareness amongst various stakeholders of the JNVs, time must be allocated for discussion on disaster management during the assembly.
- e) Regular meetings with district officials and intra school will eliminate coordination issues.
- f) JNV are a closed entity as they are residential schools with staff, family and students residing within the campus. This creates the need of disaster management and risk reduction awareness.



Conference on Himalayan Environment in the Changing Climate Scenarios, Ladakh, 19-21 Sept 2023

Key Takeaway/Recommendations

- a) Climate change has led to an increase in extreme weather events such as floods, landslides, and avalanches in the Himalayas, endangering lives and infrastructure.
- b) Habitats are changing rapidly in the Himalayas, pushing many species towards extinction.
- c) Proper water resource management is vital to address changing precipitation patterns and to ensure a stable water supply for both rural and urban areas in the Himalayas.
- d) Many Himalayan regions span multiple countries, necessitating international cooperation for effective climate change adaptation and mitigation strategies.
- e) Traditional knowledge held by local communities is invaluable in adapting to climate change.
- f) Tourism is a significant industry in the Himalayas, but it also contributes to environmental degradation. Sustainable tourism practices are needed to minimize the ecological footprint.

- g) Governments and organizations must implement policies and projects that address climate change in the Himalayas, emphasizing adaptation and resilience-building.
- h) Continued research on the Himalayan environment is critical for better understanding the region's vulnerabilities and developing effective solutions.



Conference on Himalayan Environment in the Changing Climate Scenarios, Ladakh, 19-21 Sept 2023

Infrastructure Safety Auditing System, Uttar Pradesh, 19-21 Sept 2023

Key Takeaway/Recommendations

- a) Seismic retrofitting of reinforced concrete buildings is essential for mitigating earthquake risks, ensuring public safety, and promoting sustainable and resilient communities.
- b) Discussed the importance of mainstreaming Disaster Risk Reduction (DRR) in housing and building safety which involves the integration of DRR principles and practices into the mainstream processes of planning, construction, and maintenance of structures.
- c) Forensic investigation of structures is highly relevant for playing a crucial role in assessing and understanding the causes of structural failures or damages.
- d) Implications of sensor systems for monitoring structures are significant for early detection of structural issues, Structural Performance Optimization, Remote Monitoring and Accessibility and have far-reaching benefits across various sectors.
- e) Understanding structural failures in hilly regions is crucial due to the unique challenges posed by the terrain. The key points related to these aspects are geological factors, slope stability, material selection and adaptation to seismic activity etc.



Infrastructure Safety Auditing System, Uttar Pradesh, 19-21 Sept 2023

Formulation of Disaster Management Plan, Tamil Nadu, 25-27 Sept 2023

Key Takeaway/Recommendations

- a) Participants should gain a comprehensive understanding of Disaster Management principles, including the phases of preparedness, response, recovery, and mitigation.
- b) Clarified the roles and responsibilities of individuals and departments within the Ministry of Ports, Shipping, and Waterways during a disaster.
- c) Understanding the chain of command and incident reporting procedures.
- d) Emphasizing the importance of clear and timely communication during a disaster, both internally and externally.
- e) Highlighted the use of various communication tools and technologies (Community radios).
- f) Participants should be equipped with the knowledge to develop and implement emergency response plans tailored to the unique needs of ports, shipping, and waterways facilities.
- g) Introduced participants on how to establish and maintain effective coordination with external agencies and other stakeholders.
- h) Highlighted the importance of regular plan reviews, exercises, and lessons learned sessions to improve disaster management efforts.



Formulation of Disaster Management Plan, Tamil Nadu, 25-27 Sept 2023

Disaster Preparedness for Procurement Officers: (Induction of New Pros and Referesher Pros), Delhi, 25-28 Sept 2023

Key Takeaway/Recommendations

- a) Procurement officers need to be aware of the potential disaster risks associated with their procurement activities.
- b) Participants learn about emergency procurement procedures, which may be required in the aftermath of a disaster. This includes fast-tracking procurement to ensure the timely delivery of essential goods and services.
- c) Building and maintaining strong relationships with suppliers is crucial for disaster preparedness. Procurement officers should identify reliable suppliers who can respond quickly in times of crisis.
- d) Training covers the need for stockpiling essential goods and managing inventory efficiently.
- f) Participants gain insights into budgeting for disaster resilience. Allocating resources for preparedness and recovery measures is essential for an organization's ability to bounce back from disasters.
- g) Effective communication and coordination among procurement officers, emergency response teams, and other stakeholders are emphasized to ensure a unified and efficient response.
- h) Effective teamwork and leadership skills are critical for procurement officers involved in disaster preparedness and response efforts.



Disaster Preparedness for Procurement Officers: (Induction of New Pros and Referesher Pros), Delhi, 25-28 Sept 2023

Training Programme on Child Centric Disaster Risk Reduction, Karnataka, 25-29 Sept 2023

Key Takeaway/Recommendations

- a) Approach should be focused on reducing the risks and vulnerabilities of children in the context of disasters and emergencies.

- b) CCDRR approach should be aligned with international conventions, particularly the United Nations Convention on the Rights of the Child (CRC), ensuring children's rights are respected and protected in all phases of disaster risk reduction.
- c) Promote the active participation of children in decision-making processes related to disaster preparedness, response and recovery.
- d) Emphasizes the importance of educating children and communities about disaster risks, preparedness, and safety measures.
- e) Encourages inclusive disaster planning that considers the needs of all children, including those with disabilities, from diverse backgrounds, and in different age groups.



Training Programme on Child Centric Disaster Risk Reduction, Karnataka, 25-29 Sept 2023

Conferences/Workshops/Seminars (Organized from July-September 2023)

Workshop on National Disaster Management Information System (NDMIS), New Delhi, 24-25 Aug 2023

A workshop on 'National Disaster Management Information System' for Delhi Govt officials at Delhi Secretariat was held where Dignitaries were Shri Sushil Singh IAS, Dr. Garima Aggarwal, NIDM, Shri Vikram Gurjar, MHA, Shri Pawan Arora, National Informatics Centre (NIC). The agenda of the workshop was to provide hands on training among the participants to enhance the capacity of the officials concerned in utilizing the NDMIS components i.e. SFDRR and Disaster Risk Management Fund regarding the disaster management. The issues & challenges faced by the participants during data submission were also addressed. Around 50 participants attended this workshop.



Workshop on National Disaster Management Information System (NDMIS), New Delhi, 24-25 Aug 2023

International research conference on Climate Change and Mountains, Ladakh, 19-20 Sept 2023

An International research conference was conducted in Ladakh on Climate Change and Mountains in collaboration with University of Heidelberg Germany, University of Ladakh, National Institute of Disaster Management, GB Pant Institute, Wadia Institute, Central Arid Zone Research Institute (CAZRI) and Department of Science & Technology. Lt Governor of UT of Ladakh inaugurated the conference. The agenda of the conference was to discuss the impact of Climate change on Himalayas & occurrence of disasters in the region. A total of 100 participants attended this conference.



International research conference on Climate Change and Mountains, Ladakh, 19-20 Sept 2023

Workshop on POSH Awareness, New Delhi, 25 Sept 2023

National Institute of Disaster Management organized a sensitization workshop on 'Prevention of Sexual Harassment (POSH) at Workplace' at NIDM campus. NIDM honoured to have Sumitra Choudhary, an

esteemed Advocate from the Supreme Court, as a distinguished speaker in this workshop. Her valuable insights and expertise added immense value to the event. The workshop was a crucial initiative designed to create a secure, respectful, and inclusive workplace for everyone. It aimed to provide knowledge and awareness about preventing sexual harassment at workplace and fostering a culture of respect and dignity.



National Workshop on Preparedness and Resilience for Disaster Management & Health Emergency Scenarios (Empowering Future Healthcare Professionals: Classroom to Crisis), Chandigarh, 27 Sept 2023

A National Workshop on Preparedness and Resilience for Disaster Management & Health Emergency Scenarios (Empowering Future Healthcare Professionals: Classroom to Crisis) was organized by IUINDRR, National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India, New Delhi in collaboration with Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh. This collaborative effort was aimed to provide a platform for experts and professionals to exchange knowledge and insights on disaster management and health emergency preparedness. The workshop was designed to provide participants with the essential knowledge and skills necessary to manage and respond to disasters effectively and efficiently. Dr. T Dileep Kumar, President India Nursing Council, New Delhi was the chief guest of the workshop and eminent speakers/panelist from WHO (India), Director, PGIMER, Medical Superintendent-cum-Head, Department of hospital Administration, PGIMER, Chandigarh, Director of Health Services, UT Chandigarh, Director Principal, Medical College Chandigarh, Director MNS (Adm) IHQ, New Delhi, Addl. Medical Superintendent, PGIMER, Department of Neurosurgery, PGIMER and about 162 medical professionals across the country were presented during the workshop.



Online Training Programs (Organized from July-September 2023)

S. No.	Name of the program	Date
1	Engaging Youth and Adolescents in DRM & CCA	26-28 July 2023
2	Role of Disaster Management Plan	26-28 July 2023
3	Child protection & Child Rights in Disasters and Emergencies	16-18 Aug 2023

Webinars (Organized from July-September 2023)

S. No.	Name of the program	Date
1	How Post Disaster Communication Network Works?	07 July 2023
2	How Zero Odour Urination System Works?	14 July 2023
3	How Technology Transition through Light House Projects under PMAY-U Works?	21 July 2023
4	Waste Management after Flood	25 July 2023
5	How HAM Radio-based Post Disaster Communication Works?	28 July 2023
6	School Safety during Monsoons and Floods	03 Aug 2023
7	How Post Disaster Communication Network Works- Part II?	04 Aug 2023
8	How App based Disaster Management (DM) for School Works?	11 Aug 2023
9	Preparedness for Industrial Disaster	14 Aug 2023
10	How AAC Blocks for Disaster Safe Constructions Works?	18 Aug 2023
11	How Sick Building Syndrome Works?	25 Aug 2023







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