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HighlightsAnnual Training
ConferenceCentral Sector Scheme
entrusted to NIDM**Contents**

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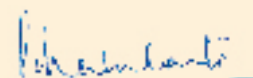
NPCBEERM and NPCBAERM

Fifty six percent of the landmass of India is vulnerable to earthquakes of varying intensities. Some of the worst quakes on the earth had taken place in India causing enormous damages to life and property, but it was only after the Bhuj earthquake of 2001 that the Bureau of Indian Standards came out with its standards on earthquake resistant building designs. The revised National Building Code was released later in 2005. Separate curriculums for earthquake resistant building designs were developed for engineering and architecture courses, which are yet to be adopted by all the technical colleges in the country. There fore, hundreds of thousands of engineers and architects who had graduated without any knowledge of these standards had to be trained. This was the genesis of the two National Programmes for Capacity Building of Engineers and Architectures in Earthquake Risk Management – known as NPCBEERM and NPCBAERM.

Launched in 2004-05 by the Ministry of Home Affairs the programmes aim to train 450 master trainers in engineering and 250 in architecture by the Indian Institute of Technologies and the leading architectural schools, who in-turn would train 20000 practicing engineers and architects by 2007. By the time, the project period came to a close, it was realized that only 223 trainer engineers and architects were trained and 948 practicing engineers and 126 practicing architects received training, even though adequate resources were placed at the disposal of the national and state level training institutes.

Concerned with the slow progress, MHA has recently decided to transfer both the schemes to the National Institute of Disaster Management for their implementation and extended the period of implementation till 31st March 2010. NIDM has taken up this challenge in right earnest and would put all its efforts to ensure that the targets set by these two important national programmes are achieved within the extended period of the programmes.

NIDM also proposes to launch a web based learning programme for engineers and architects so that the capacity building efforts could be taken beyond the target of 20000 engineers and architects. It is also proposed to launch a programme of training one lakh masons every year through the national and state level training institutions and the network of Building Centres set up throughout the country.


P.G. Dhar Chakrabarti

2nd Meeting of Governing Body of NIDM

New Delhi, 23 April 2008

The second meeting of the governing body of NIDM was held on 23 April 2008 at conference hall of NIDM in New Delhi under the Chairmanship of Gen. (Retd.) N.C. Vij, Vice Chairman of National Disaster Management Authority (NDMA). Executive Director NIDM welcomed the Chairman and members and presented the agenda items which included the Action Taken Report on decisions taken at the first meeting and the report of the Sub-Committee on the Expansion Plan of the NIDM. The Governing Body approved that the existing Academic Divisions of the Institute may be restructured in six divisions, as and when the required faculty positions are available.



Shri N.C. Vij, Honorable Vice Chairperson of NDMA chairing the Second meeting Governing Body meeting of NIDM

These are: (a) Geological Disaster Division; (b) Hydro Meteorological Disaster Division; (c) Human Induced Disaster Division; (d) Cross Cutting Issues Division; (e) Emergency Response Division and (f) Knowledge Management and Communication Division. Interdivisional Cells may be set (from within the existing organizing) for carrying out specific activities on a project basis on themes such as Seismic Micro-zonation; Building Technology and Retrofitting Clinic; Environment, Climate Change and Disasters; Hazard Risk and Vulnerability Mapping; Public Private Partnership and Urban Risk Mitigation.

An Academic Council shall be constituted comprising the Executive Director, NIDM, senior faculty members and 3/4 experts from other organizations. The Council shall have the responsibility to consider and approve the course modules, curriculum, human resource development plan etc.

The Institute shall develop its core competencies in emergency management, ToT on disaster management, development of training modules on holistic management of disasters, research and documentation of disasters, online and satellite based trainings and integrating knowledge on disaster Management.

The Governing Body endorsed the infrastructure development plan of the Institute. The NIDM shall have its own **state of the art campus** in National Capital Region of Delhi in another three to four years time. Institute shall have specialized facilities for training such as:

- a) **Emergency Operation Centre:** This will be a replica of National Emergency Operation Centre in MHA with multiple communication channels, display boards, signage, etc and shall function as a back up Centre of the NEOC of the MHA.
- b) **Remote Sensing & GIS Lab:** 30 workstations with licenses for commercial Image Processing and GIS software, modern audio-visual gadgets, large format digitizer, scanner and printer, map library, satellite image library.
- c) **Computer Centre:** a centralized facility for trainees with high end servers serving 50 thin clients, utility software, internet connectivity, printing and scanning facilities.
- d) **Disaster Simulation & Multimedia Lab:** fully equipped laboratory for development of disaster scenarios and simulation exercises for skill based training for disaster management professionals

- e) **Video Conference Lab:** with capacity to seat 30 inmates in semi circular stepped rows, VSAT and ISDN connectivity.
- e) **Earthquake Engineering Lab:** with shake table, retrofitting modeling, seismic monitoring and other tools.
- b) **Instrumentation Lab:** Demonstration of sensors, early warning and communication equipments, search & rescue equipments, first aid tools, firefighting, GPS.
- c) **Exhibition and Museum:** a self learning medium for children and public having physical models, replicas, exhibits of past disasters, storylines, highlighting best practices, etc.

The Expansion Plan shall be implemented over a period 12 years (2008-2020) and shall be phased out to:

Phase I: (2008-2010): phase of development.

Phase II (2010-2015): phase of consolidation

Phase III (2015-2020): Phase of diversification

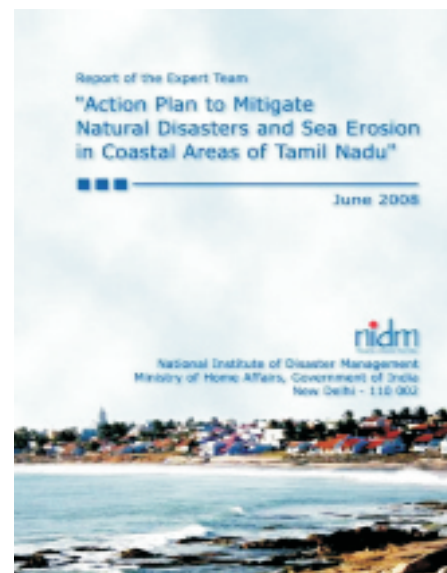
Concluding the meeting the Chairman appreciated the expansion of the capacity building effort of the NIDM in all respects in the recent years and emphasized the need for the NIDM to focus on the training of officials and community in 241 multi-disaster prone districts.

Action Plan to Mitigate Natural Disasters and Sea Erosion in Coastal Areas of Tamil Nadu

New Delhi, June 2008

Considering the enormity of the problem of coastal hazards interlinked with sea erosion and securing livelihood of people in coastal belts, Ministry of Home Affairs, Government of India, vide office memorandum no. 44/05/2007-NDM-II, dated 27 December 2007 constituted an Expert Committee to visit the coastal areas of Tamil Nadu to prepare an action plan for mitigating the impacts of natural disasters and sea erosion in coastal areas of three districts of Tamil Nadu State, viz., Tuticorin, Tirunelveli and Kanyakumari.

The team comprised of nine experts and Prof V.K. Sehgal, NIDM acted as the convener of this team. The Committee undertook visit to selected villages to understand the requirements of mitigation, interacted with district administration, community leaders and general public. After thorough deliberations and discussion among team members and with stakeholders, the team submitted its final report to MHA on 18 June 2008.



The team in its report recommended several structural and non-structural measures for coastal villages for mitigating hazards, preventing erosion, and securing livelihood of fishermen communities. The measures recommended includes construction of groynes – cum- fish landing centres, construction of multi-hazard shelters, repairs of sea walls, sand-dune stabilization, shelter-belt plantation of Casuarinas, rejuvenation of mangroves, tracking and navigation devices for boats, warning dissemination and communication system, training and capacity building of community in disaster preparedness and alternate livelihood vocations, and building of coastal infrastructures , like provision for safe sewage disposal, drinking water scheme, primary health centres, community halls,, fish landing and processing centres, rebuilding transport network of roads, culverts, bridges.

The team also recommended Gulf of Mannar Bioserve may be developed on the lines of the Great Barrier Reef of Australia. The team opined that considering the complexity of coastal hazards and their impacts and their close relationship with the socio-economic conditions of the coastal communities, all the developmental works for mitigation or livelihood security may be integrated into a master plan to be called “Integrated Coastal Zone Development Master Plan”.

National Disaster Management Guidelines for Cyclones

New Delhi, 24 April 2008

The National Disaster Management Authority (NDMA) of India released guidelines for management of cyclones on 24th April 2008. These guidelines are aimed at helping various ministries and departments in the centre and the state to prepare flood management plans and minimize loss of life and property.

The guidelines also recommended an exclusive eco-system monitoring network to study the impact of climate change and setting up of a comprehensive Cyclone Disaster Management Information System (CDMIS) to cover all phases of disaster management.

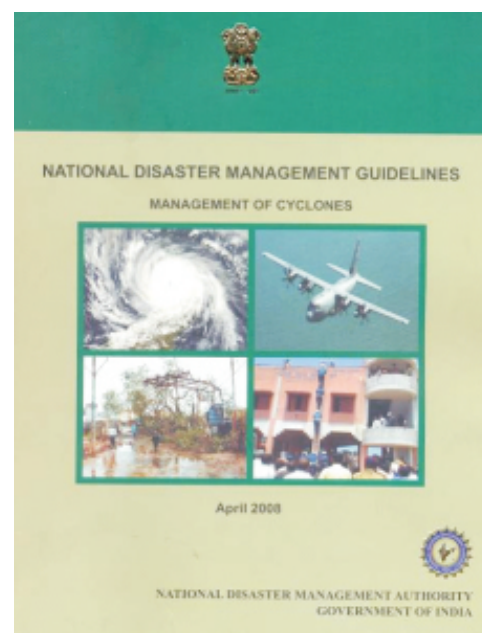
Besides identifying 10 key areas of cyclone management, including the establishment of a state-of-the-art cyclone early warning system (EWS) involving observations, predictions, warnings and user friendly advisories, the guidelines have also called for commissioning of the National Disaster Communication Infrastructure (NDCI).

According to the NDMA recommendation, the commissioning of NDCI would help the country provide dedicated and failsafe communications to the national, state and district disaster management authorities and officials concerned. The new guidelines also stresses on the need to expand the warning dissemination outreach by introducing 'Last Mile Connectivity', that includes using VHF technology to provide public address system along the entire coast line.

The guidelines recommended the commissioning of Aircraft Probing of Cyclone (APC) facility to fill the critical observational data gaps and significantly reduce the margin of error in predicting cyclone track, intensity and landfall.

It also recommended that the National Cyclone Risk Mitigation Project (NCRMP) should be implemented in all the 13 coastal states and UTs. The guidelines also talks about the taking up structural mitigation measures like improving lifeline infrastructure, construction of multi-purpose cyclone shelters and cattle mounds, ensuring cyclone resistant design standards in rural and urban housing schemes, building all-weather road links, bridges, culverts and saline embankments. The NDMA document further stated that management of coastal zones should include mapping and delineation of coastal wetlands, patches of mangroves and shelterbelts and identification of potential zones for expanding bio-shield spread based on remote sensing tools. Under the new guidelines, a National Cyclone Disaster Management Institute will be set up of in one of the coastal states to address all issues related to cyclone risks.

Releasing the guidelines, the Union Minister of Science and Technology and Earth Sciences, Shri Kapil Sibal said that the National Guidelines for the Management of Cyclone have been formulated after a 'nine step' process fully taking on board various central ministries and departments and the states and union territories.



to understand critical issues of managing serial bomb blast and to plan for quick response, relief and restoration of normalcy in case of such an event in future. 44 participants from State Government Departments of Police, Revenue, Fire & Emergency Services, Health etc. attended the programme.

Cost Benefit Analysis of Mitigation Projects

New Delhi, 30 June -1 July 2008

Two days training programme on Cost benefit analysis of Disaster Mitigation projects was organized at NIDM on 30 June - 1 July 2008. Key objectives of the training programme were (i) to provide evidence based information to confirm that the investments in DRR initiatives have economic value (ii) to do cost benefit analysis as an analytical tool to choose between different types of DRR interventions (iii) to use DRR as a significant element in both humanitarian relief and development programming and to draft projects and demonstrate the investment potential of DRR activities.

Meetings / Lectures

- ED made a presentation before the 13th Finance Commission on Financing Disaster Management on 24 April 2008. 13th Finance Commission has asked NIDM to undertake a Study on Financing Disaster Management
- ED made a presentation before the National Executive Committee on the strategy for preparation of National Plan on Disaster Management on 12 May 2008.
- Meeting held with representatives of FICCI, ASSOCHAM and CII on Public Private Partnership in Disaster Risk Reduction on 21 May 2008
- ED attended the Annual Conference of Relief Commissioners at Hotel Samrat, New Delhi on 28 May 2008 and explained the different initiatives of NIDM which required support and assistance of Relief Commissioners.
- Dr. Surya Parkash attended NDMA core group meeting on finalizing National Guidelines on Landslides on 4 June 2008 at Centaur Hotel, Delhi and organized next meeting at NIDM on 6 June 2008 for revising the draft guidelines.
- Shri Arun Sahdeo, Consultant attended a Mock Drill and Incident Command Simulation Exercise conducted by NDMA and United States Forest Service respectively in collaboration with the Government of Gujarat at Junagarh district from 14 to 20 June.
- Dr. Anil Gupta and Ms. Sreeja S. Nair were invited to deliver lectures on Water and Climate Related Hazards and Disaster Risk Management and GIS and IT applications in Disaster Management during the Training Needs Assessment Programme held on 18-19 June 2008 at State Institute of Rural Development, Lucknow.
- Shri Shaleen Kabra, Joint Director, Shri P. K. Pathak, Consultant and Shri Arun Sahdeo, Consultant attended Training of Trainers Course on Incident Command System – Operation Section Chief and Incident Commander from 23 to 27 June 2008 conducted by the United States Forest Service and Lal Bahadur Shastri National Academy of Administration, Mussoorie as part of the Faculty Development initiative of the Ministry of Home Affairs.

Papers

- Dr. R. K. Mall, published a paper on “Trend Analysis of Tropical Storms during Summer Monsoon Seasons over Indian Seas”, in Journal of Agrometeorology”, Vol. 9, No. 2, 265-271 jointly authored with S. N. Pandey and R. Bhatla.

NIDM in International Forum

- Executive Director participated in the 11th Annual Emergency Management Higher Education Conference hosted by the Emergency Management Institute (EMI) in the USA on 2-5 June 2008.

The process also included wide consultations with scientific and technical institutions, academics, technocrats and humanitarian organizations. Speaking on the occasion, Sibal also said that a National Cyclone Risk Mitigation Project for approximately Rs 1,600 crore with assistance from the World Bank is in the process of finalization covering all the 13 coastal states and union territories.

The various activities under this project will include construction of cyclone shelters, shelter belt and mangrove plantations, establishing last mile connectivity, improving link roads. Once all the activities, as laid down in these guidelines are implemented, we will be much better prepared to face the hazards of cyclones, the Minister added.

Work Shop on Development of a Model template for formulation of Hospital Disaster Management Plan (HDMP) and District Health Plan (DHP)

New Delhi, May - June 2008

The workshop on Model Template for Formulation of Hospital Disaster Management Plan (HDMP) was organized on 22-23 May 2008. 53 senior level doctors, Medical Superintendents, Hospital Administrators and Casualty Medical Officers of Delhi Government attended the workshop.



The second workshop was organized on 4-5 June 2008 for the development of a Model Template of District Health Plan (DHP). 40 CDMOs and DCDMOs attended the workshop. The workshop concluded that the model DHP should be integrated with the District Disaster Management Plan for all the 9 districts of National Capital Region of Delhi.

Introduction of New Training Programmes

New Delhi, May - June 2008

In compliance with its mandate to develop capacity to cover all phases and aspects of disaster management cycle, NIDM is diversifying its training programmes to new areas. 20 new programmes shall be launched during the year 2008-09. Three new training programmes were conducted during this quarter, namely 1) Debris Management 2) Management of Serial Bomb Blast and 3) Cost Benefit Analysis of Mitigation projects.

Training Programme on Debris Management

New Delhi, 5-6 June 2008

A two day training programme on Debris Management was organized to introduce the participants with the issues of debris management in a post disaster scenario. Training methodology comprised of lectures, case studies and syndicate exercises and panel discussion. 39 participants from Municipal Corporations, ULBs, Public Works Departments, Revenue Department etc. from various states responsible for planning, managing or implementing the debris management activities attended this training programme.

Training Programme on Managing Serial Bomb Blast

New Delhi, 18-19 June 2008

Two days training programme on Managing Serial Bomb Blast was conducted to enable the participants

- Dr R K Mall visited as associate to International Centre for Theoretical Physics, Trieste, Italy from 11 May to 30 June 2008 for scientific research and collaborations on Climate Change and Disaster Management. During the visit Dr. Mall has participated in the joint ICTP-IAEA first conference on predicting Disease Patterns According to Climate Changes, 12-14 May 2008 and Conference on Reducing and representing Uncertainties in High Resolution Proxy Climate Data, 9-11 June 2008.

Appointments / Resignations

- Mr. R.C. Bhatt has joined NIDM as accounts officer on deputation on 2 June 2008 (Mr. A. Subbiah, former Accounts Officer was relieved from NIDM on 10 June 2008)
- Mr. Kamal Nagia joined as Personal Assistant to Executive Director on 2 June 2008

Major Activities of NIDM(April - June 2008)

Workshop

- NIDM in collaboration with Directorate of Health Services, Delhi organized a two day training workshop on Development of a Model Template for Hospital Disaster Management Plan (HDMP) on 22-23 May 2008 and a second two day training workshop on Development of a Model Template of District Health Plan (DHP) on 4-5 June 2008.

Training Programmes

- Disaster Psycho-Social Care, NIDM, New Delhi, 7-11 April
- Formulation of District Disaster Management Plan, Arunachal Pradesh, 28 April -2 May
- Gender & Psycho-social Issues in Disaster Management, Nagaland, 5-9 May
- Community Based Disaster Management, Madhya Pradesh, 7-9 May
- Comprehensive Landslide Risk Management, Meghalaya, 12-16 May
- Flood Risk Mitigation & Management, NIDM, 12-16 May
- Mainstreaming Disaster Risk Reduction in Developmental Planning, NIDM, 21-23 May
- Building Codes & Designs for Disaster Safe Built Environment, Tripura, 26-30 May
- Urban Risk Mitigation & Management, ATI West Bengal, 26-30 May
- Debris Management, NIDM New Delhi, 5-6 June
- Flood Risk Mitigation & Management, ATI - Bihar, Patna, 2-6 June
- Community Based Disaster Management, ATI - Uttar Pradesh, Lucknow, 2-6 June
- Flood Risk Mitigation & Management, MCRHRD, Hyderabad, 9-13 June
- Managing Serial Bomb Blasts, New Delhi, 18-19 June 2008
- Formulation of District Disaster Management Plan, ATI- Jharkhand, Ranchi, 23-27 June
- Earthquake Risk Mitigation & Management, NIDM, New Delhi, 23-27 June
- Cost Benefit Analysis of Mitigation Programmes, NIDM New Delhi, 30 June –1 July
- Online Training programme on “Comprehensive Disaster Risk Management Framework” from 30 June to 8 August.

Upcoming Events (July – September 2008)

Workshops

National Workshop on Chemical Disaster Preparedness jointly with MOEF, 3-4 September 2008, Surajkund, Haryana

Training Programmes

- Industrial & Chemical Disasters, SPIPA, Ahmedabad New Delhi, 1-5 July
- Early Warning of Disasters: Last Mile Connectivity, 3-4 July
- Disaster Safe Hill Area Development, Sikkim, Gangtok, 7-11 July
- Disaster Health Care Management, NIDM New Delhi, 7-11 July

- Formulation of District Disaster Management Plan, ATI, Chennai, 21-25 July
- Comprehensive Landslide Risk Management, Goa, Panjim, 21-25 July
- Cyclone Management and Mitigation, NIDM New Delhi, 21-25 July
- Role of Geo- information in Disaster Management, NIDM New Delhi, 28 July-1 Aug.
- Management of Risks to Cultural Property, NIDM New Delhi, 4-8 August
- Mainstreaming Disaster Risk Reduction in Development, NIDM New Delhi, 6-8 August
- Disaster Safe Building Codes & Designs, ATI, Karnataka, Mysore, 4-8 August
- Capsule Course on Disaster Management for APPA Participants, NIDM New Delhi, 11-13 August
- Role of Media in Disaster Management, NIDM New Delhi, 11-13 August
- Formulation of District Disaster Management Plan, ATI, Chhattisgarh, Raipur, 18-22 August
- Children & School Safety, NIDM New Delhi, 18-22 August
- Cyclone Risk Mitigation & Management, ATI, Orissa, Bhubaneswar, 18-22 August
- Chemical, Biological Radiological, Nuclear (CBRN) Disasters, NIDM New Delhi, 25-29 August
- Gender Issues in Disaster Management, NIDM New Delhi, 1-5 September
- Urban Risk Mitigation & Management, ATI, Haryana, Gurgaon, 1-5 September
- Risk Financing & Risk Insurance, NIDM New Delhi, 8-12 September
- Forest Fire Mitigation & Management, Forest Research Institute, Dehradun, 8-12 September
- Integrated Emergency Management, NIDM New Delhi, 15-18 September
- Drought Mitigation & Management, AMR-APARD, Andhra Pradesh, Hyderabad., 22-26 September
- Comprehensive Landslide Risk Management, NIDM, New Delhi, 22-26 September
- Basics of Disaster Management for NDRF Commandants, NIDM, New Delhi 29 September-October 1

NIDM – World Bank Institute Online Training Programs

- Online Training programme on “Community Based Disaster Risk Management” from 22 September to 17 October 2008.

**We welcome comments/responses/articles from readers of our Newsletter
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