



# Annual Report 2012-13



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

# Annual Report 2012-13



NATIONAL INSTITUTE OF DISASTER MANAGEMENT

(Ministry of Home Affairs, Government of India)

5-B, IIPA Campus, I.P. Estate, Mahatma Gandhi Marg, New Delhi - 110002

Tel. - 011-2370 2432, 2370 5583, 2376 6146

Tele Fax - 011-23702442, 23702446

Website : [www.nidm.gov.in](http://www.nidm.gov.in)

*Annual Report of NIDM 2012-13*

© NIDM, New Delhi, 2013

*Compiled and Edited by*

Dr. Anil K. Gupta, Head, Division of Policy Planning

Sreeja S. Nair, Assistant Professor

Swati Singh, Jr. Consultant

*Editorial Support*

Dr. Shradha Nand, Joint Director

Shekhar Chaturvedi, Research Associate

Santosh Kumar Tiwari, Librarian

Megha Kohli, DEO

*Published by*

National Institute of Disaster Management, Ministry of Home Affairs,

New Delhi – 110 002

The document can be downloaded from <http://www.nidm.gov.in/books>

## Vision

To be a premier Institute of Excellence for Training and Research on Disaster Risk Mitigation and Management in India and to be recognized as one of the leading Institutions at the International level in the field, to strive relentlessly towards making a disaster free India by developing and promoting a culture of prevention and preparedness at all levels.



## From the Desk of Executive Director

I am extremely happy in presenting the Annual Report of the Institute for the year 2012-13. 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. 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.

It is our belief that disaster risk reduction is possible only through promotion of a "Culture of Prevention" involving all stakeholders. We work 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 endeavor to facilitate training and capacity development, the Institute has state-of-the-art facilities like class rooms, seminar hall, a GIS laboratory, video-conferencing facilities etc. The Institute has a well-stocked library exclusively on the theme of disaster management and mitigation. The Institute provides training in face-to-face, on-line and self-learning mode as well as satellites based training. Our vision is to create a disaster resilient India by building the capacity at all levels for disaster prevention and preparedness.

The performance of the institute was achieved with the hard work and wholehearted support of the faculty members and staff of the Institute. I would like to place on record my appreciation for the co-operation extended by Ministry of Home Affairs, National Disaster Management Authority and other Government departments, organizations and academic institutes.

Satendra



# CONTENTS

<b>1. Overview</b>	<b>1-3</b>
1.1 About the Institute	1
1.1.1 Mission and Objectives	1
1.1.2 Mandates	1
1.1.3 Academic Functions	2
<b>2. Training</b>	<b>4-13</b>
2.1 Objectives	4
2.2 Profile of participants	4
2.3 Training methods	4
2.4 Types of training program during 2012-13	5
2.5 Self study program	7
2.6 Internship	8
2.7 Analysis of training programs	8
<b>3. Projects</b>	<b>14-22</b>
3.1 Types of project	14
3.2 Tools and techniques	14
3.3 Projects ongoing/completed	15
<b>4. Information and Communication Technology Initiatives</b>	<b>23-25</b>
4.1 India Disaster Resource Network	23
4.2 India Disaster Knowledge Network	24
4.3 Virtual private networking under Disaster Management Support Program of Indian Space Research Organization (ISRO)	24
<b>5. Documentations and publications</b>	<b>26-37</b>
5.1 Information sources available	26
5.2 Information dissemination	27
5.3 Information, Education and Communication (IEC) materials	32

5.4	Preparation of National Human Resource Plan	35
5.5	Papers/articles published by NIDM faculty members during 2012-12	36
5.6	Memorandum of Understanding signed with NIDM	37
<b>6.</b>	<b>Outreach Activities</b>	<b>38-52</b>
6.1	Major Events	38
6.2	Conferences, seminars and workshops	42
6.3	Delegations/Meetings	46
6.4	NIDM in International Forum	47
6.5	Awards, Recognition and other activities	50
<b>7.</b>	<b>Administration</b>	<b>53-57</b>
7.1	Management Structure	53
7.2	Meetings of General and Governing Body	55
7.3	Organisational Structure	55
7.4	NIDM Faculty	55
7.5	General Administration	56
7.6	Progressive Use of Hindi	57
<b>8.</b>	<b>Finances and Accounts</b>	<b>58</b>
	<b>Annexures</b>	<b>59-99</b>
Annexure I	List of face-to-face trainings conducted at NIDM	61
Annexure II	List of trainings conducted by ATIs	67
Annexure III	List of State Administrative units	69
Annexure IV	List of members of General Body Meeting of the Institute	76
Annexure V	Finances and accounts	79

## ABBREVIATIONS

AASC	Assam Administrative Staff College	CWC	Central Water Commission
ADPC	Asian Disaster Preparedness Centre	DDA	Delhi Development Authority
ADRC	Asian Disaster Reduction Centre	DELNET	Delhi Library Network
AIT	Asian Institute of Technology	DMC	Disaster Management Centre
AMCDRR	Asian Ministerial Conference on Disaster Risk Reduction	DRR	Disaster Risk Reduction
ATC	Annual Training Conference	DSS	Decision Support System
ATES	Advanced Technical Engineering Services	DST	Department of Science and Technology
ATI	Administrative Training Institute	EDUSAT	Education Satellite
BCPR	Bureau of Crisis Prevention and Recovery	EAS	East Asia Summit
BMTPC	Building Material and Technology Promotion Council	EIA	Environment Impact Assessment
BRO	Border Road Organization	ekDRM	Environmental Knowledge for Disaster Risk Management
CADRI	Capacity for Disaster Reduction Initiative	EOC	Emergency Operation Centres
CBDRMS	Community Based Disaster Risk Management Society	ERR	Earthquake Risk Reduction
CBO	Community Based Organization	FDMC	Fire and Disaster Management College
CBRI	Central Building Research Institute	FEMA	Federal Emergency Management Agency
CCA	Climate Change Adaptation	GB	Governing Body
CDAC	Centre for Development of Advanced Computing	GBV	Gender Based Violence
CIDC	Construction Industry Development Council	GC21	Global Campus 21
CPWD	Central Public Works Department	GEAG	Gorakhpur Environmental Action Group
CRRI	Central Road Research Institute	GETI	Global Education and Training Institute
		GFDRR	Global Facility for Disaster Reduction and Recovery
		GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit

GPC	Global Promotion Committee	NCDM	National Centre for Disaster Management
GSI	Geological Survey of India	NDMA	National Disaster Management Authority
HPC	High Power Committee	NEC	National Executive Committee
HRCDD	Human Resource Capacity Development	NGRI	National Geophysical Research Institute
HUDCO	Housing and Urban Development Corporation	NGOs	Non Governmental Organization
ICIMOD	The International Centre for Integrated Mountain Development	NIC	National Informatics Centre
ICL	International Consortium on Landslides	NIDM	National Institute of Disaster Management
ICSSR	Indian Council of Social Science Research	NILIM	National Institute of Land and Infrastructure Management
IDR	India Disaster Report	NIRD	National Institute of Rural Development
IDRN	India Disaster Resource Network	NPDM	National Plan on Disaster Management
IEC	Information, Education and Communication	NPDRR	National Platform for Disaster Risk Reduction
IGEP	Indo-German Environment Program	NRSC	National Remote Sensing Centre
IIPA	Indian Institute of Public Administration	NSSP	National School Safety Program
IIRS	Indian Institute of Remote Sensing	OFDA	Office of U.S. Foreign Disaster Assistance
IIT	Indian Institute of Technology	ONEA	Office of North East Asia
IMD	India Meteorological Department	PDMC	Provincial Disaster Management Committee
INCOIS	Indian National Centre for Ocean Information Services	PDNA	Post Disaster Needs Assessment
INSARAG	International Search and Rescue Advisory Group	PRIs	Panchayati Raj Institutions
ISRO	Indian Space Research Organization	PSS	Psycho-social Support
JICA	Japan International Cooperation Agency	PWD	Public Works Department
MCD	Municipal Corporation of Delhi	PWRI	Public Works Research Institute
MCRHRD	Dr. Marri Channa Reddy Human Resource Development Institute	RH	Reproductive Health
MHA	Ministry of Home Affairs	RVS	Rapid Visual Screening
MHRD	Ministry of Human Resources and Development	SAARC	South Asian Association for Regional Cooperation
MOEF	Ministry of Environment and Forest	SASE	Snow and Avalanches Studies
		SASSA	South African Social Security Agency
		SDMA	State Disaster Management Authority

SDMC	SAARC Disaster Management Centre	UN OSAT	United Nation Operational Satellite Applications Programme
SHE	Safety, Health and Environment	UN SPIDER	United Nations Platform for Space-based Information for Disaster Management and Emergency Response
SSC	Self Study Course	USAID	United States Agency for International Development
TCPO	Town and Country Planning Organization	USFS	United State Forest Service
ToT	Training of trainers	VDMP	Village Disaster Management Plan
ToS	Training of stakeholders	VPN	Virtual Private Networking
UNDP	United Nations Development Programme	WB	World Bank
UNEP	United Nations Environment Programme	WBI	World Bank Institute
UNESCAP	United National Economic and Social Commission for Asia and the Pacific	WCoE	World Centre of Excellence
UNFPA	United Nations Population Fund	WIHG	Wadia Institute of Himalayan Geology
UN IUCN	United Nations International Union for Conservation of Nature	YASHADA	Yashwantrao Chavan Academy of Development Administration
UN PEDRR	United Nation Partnership for Environment and Disaster Risk Reduction		



## 1

## CHAPTER

## OVERVIEW

## 1.1 About the Institute

National Institute of Disaster Management has been entrusted with the nodal responsibility for human resource development, capacity building including training & education, research, documentation and policy planning in the field of disaster management. Upgraded from the National Centre for Disaster Management (NCDM) under the Indian Institute of Public Administration (IIPA) on the 16<sup>th</sup> October, 2003, NIDM is steadily marching forward to fulfill its mission to make a disaster resilient India by developing and promoting a culture of prevention and preparedness at all levels, and emerge as a "Centre of Excellence". Union Home Minister is the President of the Institute and, it's Governing Body (GB) is chaired by Vice Chairman of National Disaster Management Authority (NDMA).

## 1.1.1 Mission and Objectives

To strive relentlessly towards making a disaster free India by developing and promoting a culture of prevention and preparedness at all levels, to provide assistance in policy formulation and to facilitate in reducing the impact through

- Planning and promoting training and capacity building services including strategic learning.
- Research, documentation and development of national level information base.
- System development and expertise promotion for effective disaster preparedness and mitigation.

- Promoting awareness and enhancing knowledge and skills of all stakeholders.
- Strengthening institutional mechanisms for training and capacity building of all stakeholders.
- To become National Resource Centre for the Central and State Governments in the field of Disaster Management in collaboration with other premier institutions.

## 1.1.2 Mandates

- Develop training modules, undertake research and documentation in disaster management and organize training programmes;
- Formulate and implement a comprehensive human resource development plan covering all aspects of disaster management;
- Provide assistance in national level policy formulation;
- Provide required assistance to the training and research institutes for development of training and research programmes for various stakeholders;
- Provide assistance to the state governments and state training institutes in the formulation of state level policies, strategies, disaster management framework and capacity-building;
- Develop educational materials for disaster management, including academic and professional course;

- Promote awareness among stakeholders including college/school teachers and students, technical personnel and others associated with multi-hazard mitigation, preparedness and response measures;
- Undertake, organize and facilitate study courses, conferences, lectures, seminars within and outside the country to promote disaster management;
- Undertake and provide support for publication of journals, research papers and books and establish and maintain libraries etc.

### 1.1.3 Academic Functions

The Institute has four academic divisions with well qualified academic experts on various aspects of disaster management i.e., policy planning, preparedness & mitigation, response & rehabilitation aspects. Institute performs following academic functions:

- Training: NIDM is engaged in design and implementation of following types of courses
  - (a) Face-to-Face Training
    - (i) Training of Trainers (ToT)
    - (ii) Training of Stakeholders (ToS)
  - (b) Web Based Training
  - (c) Satellite (EDUSAT) Based Training
  - (d) Self Study Course (SSC)
- Policy Studies: The Institute has provided substantial inputs for formulation of the National Policy on Disaster Management, Chapters on Disaster Management in the Tenth and Eleventh Plan documents, Report of the Administrative Reforms Commission for its recommendations on Crisis Management and a Study on Financing Disaster Management for the Thirteenth Finance Commission. The institute is developing the

National Response Plan and National Human Resource Development & Capacity Building Plan on Disaster Management and thus assisting the National Executive Committee (NEC) in developing National Plan on Disaster Management (NPDM).

- International Cooperation: NIDM has been working in close collaboration with United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN- SPIDER), The International Centre for Integrated Mountain Development (ICIMOD), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), United States Agency for International Development (USAID), World Bank (WB) and various other agencies for implementing, training, research and policy planning related tasks.
- Education & Research: NIDM has been working closely with the University Grant Commission for promotion of College/University education in Disaster Management as an optional course at all under graduate levels and is developing a scheme for mainstreaming DRR into all major streams of higher education. NIDM has also undertaken research & case studies with the support and collaboration of ICSSR, ISET, UNDP MOEF, ICIMOD, GIZ-IGEP, etc. on urban flood studies, Bundelkhand drought vulnerability, climate resilient development & adaptation, Gorakhpur floods, local policy for water hazards mitigation in mountain, etc.
- Documentation & Publications: NIDM has started documenting all major disasters in India in order to capture the weaknesses, best practices & lessons learned for future. The first "India Disaster Report" was published in 2012.

NIDM also publishes a biannual Journal “Disaster & Development” and quarterly newsletter 'Tidings'.

NIDM provides technical support to the state governments through the Disaster Management Centres (DMCs) mostly located in the Administrative Training Institutes (ATIs) of the States and Union

Territories. Presently, NIDM is supporting thirty such centres. Six of these centres are being developed as 'Centres of Excellence' in the specialized areas of flood risk management, earthquake risk management, cyclone risk management, drought risk management; landslides risk management and management of industrial disasters.

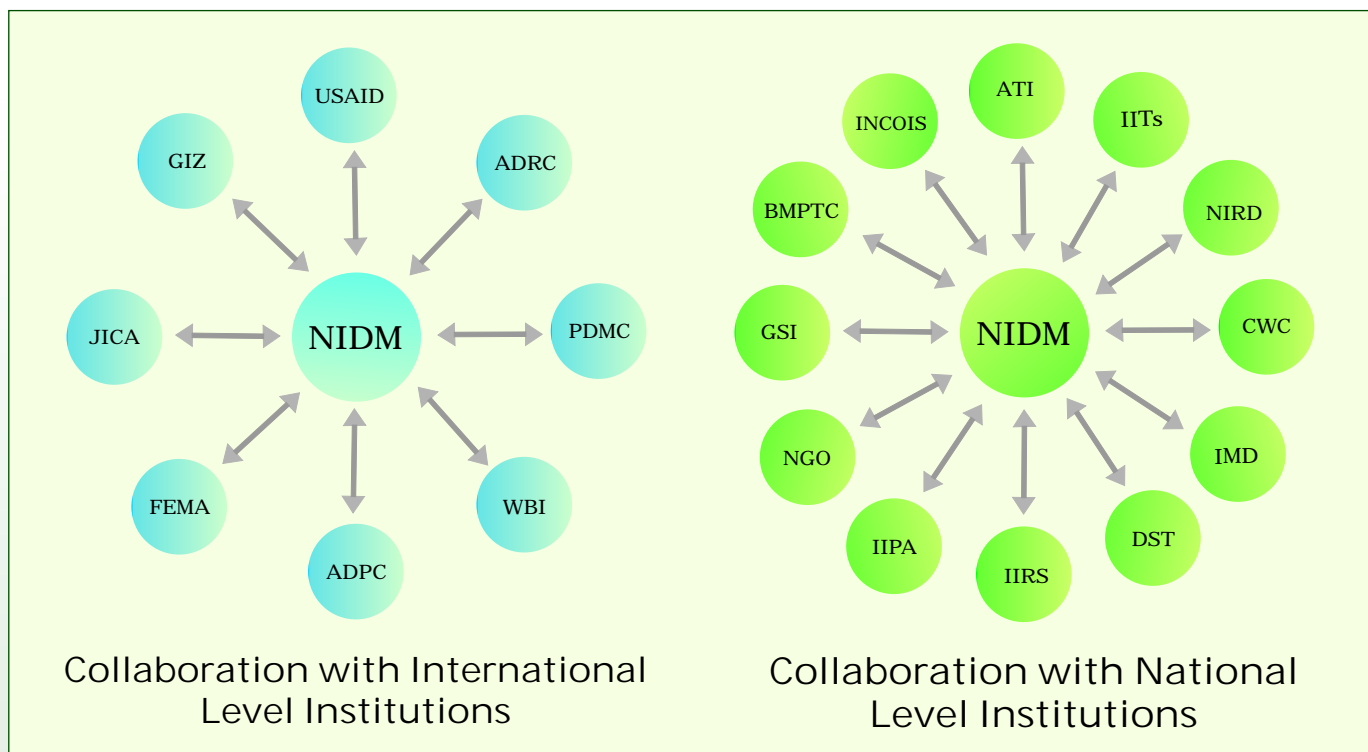


Figure 1 : Diagram showing collaboration of NIDM with different stakeholders

## 2

## CHAPTER

## TRAINING

The emphasis on the capacity building of disaster management functionaries has been one of the principal endeavors of the Institute. As part of this endeavor, training programmes addressing various capacity building issues in respect of disaster risk management were organized. Since the genesis of NIDM in 2003, the Institute had organized 548 training programmes in different disciplines of disaster management. In the financial year 2012-13, total 96 training programmes were conducted, out of which 77 were face-to-face, 12 were online and 7 were satellite based training programmes. Total 2773 trainees were trained under face to face and web based training programmes.

### 2.1 Objectives

In order to ensure imparting appropriate training among disaster management functionaries and other professionals who are engaged in the realm of disaster and development activities, the training programmes of NIDM are designed with the following objectives:

- Building awareness, improving skills and broadening knowledge of the development functionaries for effective program planning and implementation;
- Sensitizing senior executives of development departments of centre and states for emerging needs of disaster management on socio-economic and political conditions through workshops, seminars and consultations;

- Facilitating attitudinal changes among development personnel through exposure visits, documentation of successful cases and developmental interventions.

### 2.2 Profile of participants

Since NIDM training programmes canvass among the different client groups engaged in disaster management, the profile of the trainees spread across the following categories of participants:

- Government Officials (Central, State and District level);
- Civil Society Organisations (CSO);
- Public Sector Undertakings (PSUs);
- Academicians includes researchers, scientists, school teachers and universities professors;
- International participants.

### 2.3 Training methods

Keeping in view the varied nature of the training imparted and also the profile of participants attending programmes, various training methods are used. A few of them are as follows:

- Lecture-cum-discussion,
- Case study presentations,
- Participatory methods,
- Group discussions,

- Exercises/hands-on sessions,
- Field exposure study visits,
- Panel discussions,
- Simulation games.

## 2.4 Types of training programs during 2012-13

### 2.4.1 Face-to-face training programs

Face-to-face training is the flagship program of NIDM. The institute provides wide range of trainings through classroom teaching methodology at NIDM or various centres of state ATI's and other institutions. Almost all aspects of disaster management are covered through various training programs. The broad categories of programmes covered during the year 2012-13 are given in 2.7.4. The main themes covered are as follows :

- Basic disaster management;
- Disaster management and climate change;
- School safety and management;
- Disaster and natural resources management;
- Chemical disasters and its management;
- GIS and remote sensing application in disaster management;
- Gender and disaster management;
- Use of media in disaster management;
- Incident response system.

Since the inception of the institute, 548 such trainings had been organized for various stakeholders, and number is increasing annually.

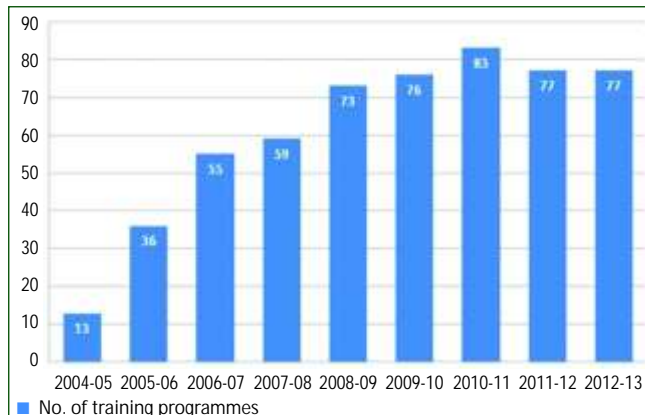


Figure 2: Face-to-face training programs in last nine years

A total of 77 trainings were imparted by NIDM in the year 2012-13 at various locations in India. Two Thousand and Six trainees were trained, out of which 748 were undergone training of trainers (ToT) and 1258 were undergone stakeholders from various fields and departments linked with disaster management (table 1). Thus, out of total face-to-face trainings, 30% were training of trainers (ToT) and 70% trainings were imparted to other stakeholders (figure 3). List of face-to-face training provided has been given as annex 1.

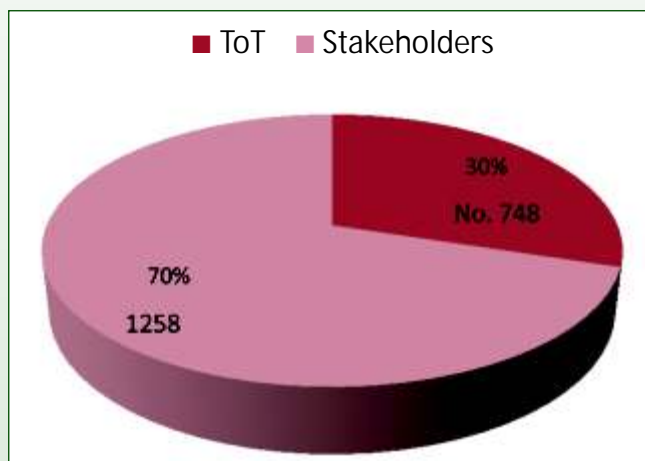


Figure 3: Details of face-to-face training programs in the year 2012-13 indicating the number of trainees

Table 1: Details of face-to-face training programs in the year 2012-13

Training details		Training of trainers (ToT)		Training of other stakeholders	
Total no. of training programs	Total no. of participants	Total no. of training programs	Total no. of participants	Total no. of training programs	Total no. of participants
77	2006	23	748	54	1258

Table 2: List of online courses conducted during 2012-13

Sl. No	Name of the Course and batch	Date	Task Manager	No. of Participants
Comprehensive Disaster Risk Management Framework				
1.	1 <sup>st</sup> Basic	28 <sup>th</sup> May-06 <sup>th</sup> July, 2012	Dr. Rajnsh Ranjan	53
2.	2 <sup>nd</sup> Basic	11 <sup>th</sup> June-20 <sup>th</sup> July, 2012	Dr. Surya Prakash	137
3.	3 <sup>rd</sup> Basic	20 <sup>th</sup> Aug-28 <sup>th</sup> Sep, 2012	Dr. Rajnish Ranjan	71
4.	4 <sup>th</sup> Basic	1 <sup>st</sup> Oct-9 <sup>th</sup> Nov, 2012	Mr. Shekhar Chaturvedi	104
5.	5 <sup>th</sup> Basic	12 <sup>th</sup> Nov-21 <sup>th</sup> Dec, 2012	Ms. Sreeja S. Nair	59
6.	6 <sup>th</sup> Basic	24 <sup>th</sup> Dec, 2012-01 <sup>st</sup> Feb, 2013	Dr. Rajnish Ranjan	66
Community Based Disaster Risk Management				
7.	1 <sup>st</sup> Batch	15 <sup>th</sup> Oct-09 <sup>th</sup> Nov, 2012	Dr. Sushma Guleria	41
Earthquake Risk Reduction				
8.	1 <sup>st</sup> Batch	23 <sup>th</sup> July -17 <sup>th</sup> Aug, 2012	Prof. C. Ghosh	62
Safe cities				
9.	1 <sup>st</sup> Batch	20 <sup>th</sup> Aug-14 <sup>th</sup> Sept, 2012	Ms. Chandrani Bandhyopadhyay	47
Climate Change and Disaster Risks				
10.	1 <sup>st</sup> Batch	17 <sup>th</sup> Sept-12 <sup>th</sup> Oct, 2012	Dr. K.J Ananda Kumar	55
Financial Strategy				
11.	1 <sup>st</sup> Batch	10 <sup>th</sup> Dec, 2012- 04 <sup>th</sup> Jan, 2013	Prof. Santosh Kumar	35
Gender and disaster management				
12.	1 <sup>st</sup> Batch	12 <sup>th</sup> Nov-07 <sup>th</sup> Dec, 2012	Dr. Ajinder Walia	37
TOTAL				767

### 2.4.2 Online training program

The National Institute of Disaster Management in partnership with the World Bank (GFDRR), Washington offers a series of e-learning programmes on disaster risk management. The courses provide excellent opportunities for distant participants to learn about management and mitigation of disaster risks under professional guidance. The training materials in the form of CDs are sent through post, which may also be accessed through online course platform. The program includes discussion, queries, clarifications, assignments and end-of-course projects which are evaluated by our experienced course facilitators. Successful candidates are provided certificates jointly issued by the NIDM and the World Bank (GFDRR). A total of 12 such trainings were conducted during the year 2012-13 and 767 participants were trained through online training program. A list has been provided in the table 2.

### 2.4.3 Satellite based training programs

The Institute collaborates with Administrative Training Institutes like ATI Mysore; RCVN Noronha Academy of Administration & Management (RCVPNAAM), Bhopal, Madhya Pradesh; Vigyan Prasar (VP); Department of Science and Technology to conduct satellite based training programmes through the ISRO community centers that have satellite based one-way video and two-way audio communication system.

Advantage of satellite program is that large number of persons at community level can be reached through such programmes. Satellite-based solutions also offer nationwide reach, letting you share your message cost-effectively virtually from any authorized and equipped site. During the year 2012-13, seven such programmes were organized in collaboration with ATI Mysore and Vigyan Prasar. List of satellite based training conducted in the past with number of persons benefitted is given in table 3. Total of 12,500 participants were trained through this program.

Table 3: List of satellite based training programs conducted during 2012-13

S. No	Course Name	In collaboration with	Date	Total participants
1	Disaster Management	Vigyan Prasar, New Delhi	17-18 April, 2012	500
2	Disaster Management	Vigyan Prasar, New Delhi	7-8 June, 2012	2000
3	Disaster Management	ATI, Mysore		
4	Disaster Management	ATI, Mysore		
5	Disaster Management	ATI, Mysore	18-22 Feb, 2013	10 000
6	Disaster Management	ATI, Mysore		
7	Disaster Management	ATI, Mysore		
	Total			12, 500 approx.

## 2.5 Self study program

NIDM in collaboration with C-DAC launched e-learning self study program on disaster management. NIDM offers self-study courses for general public as well as government officials and other stakeholders who have role and responsibility of managing disasters.



Figure 4 : Home page of Self Study Portal

The courses under the program could be accessed by anyone from anywhere as per his/her convenience in flexi time and free of cost. The aim of these courses is to create interest and raise the level of knowledge, skill and awareness on disaster management. Ten self study courses are developed under this program. Content development is completed for all courses and three courses are available online with slideshow and audio-video interaction.

Table 4: List of Self Study Courses

S.No	Name of the course
1	Basics of Disaster Management
2	Community Based Disaster Risk Management (CBDRM)
3	A Guide for Civil Defense Volunteers
4	A Guide for Public Health Worker
5	School Safety
6	Introduction to Earthquake Risk Mitigation & Management
7	Introduction to Flood Risk Mitigation and Management
8	Introduction to Cyclone Risk Mitigation and Management
9	Introduction to Industrial Chemical Disaster Risk Mitigation and Management
10	Landslide Risk Mitigation and Management

## 2.6 Internship

Every year NIDM has been receiving requests for internship particularly during the summer months from students/ researchers of academic / research / training institutions. Such requests have been considered on a case to case basis. The basic objectives of internship are:

- To familiarize the willing and eligible undergraduates and graduates pursuing graduation /post- graduation in relevant subjects, with overall disaster management system and its various aspects.
- To help the students of universities/ colleges to gain first hand experience in disaster management process, training and research.
- To provide students with ample opportunity to innovate and add to new ideas and techniques to test the skills.
- To provide flow of information about the NIDM and various activities undertaken by these institutions to the various universities, colleges, professional institutions through formal as well as informal means.

## 2.7 Analysis of training programs

During the year 2012-13, NIDM organized 96 training programs, including 77 face to face trainings (35 at NIDM and 42 off-campus including ATIs and other institutions in different states). Twelve training courses were provided through online mode and seven trainings through satellite based training mode. Total 15,251 trainees were trained through various training programs in 2012-13. Apart from these, NIDM regularly trains professionals through its self learning program.

### 2.7.1 Types of training programmes

NIDM gives training on different aspects of disaster management under three broad categories: 1) face-to-face, 2) online and 3) satellite based training. Among these trainings, face-to-face is the major program and about 80% trainings were given training at NIDM and off campuses through this methodology during the year. Face-to-face training was followed by online programs (13%) and satellite based courses. In terms of number of participants, majority were trained by satellite based

courses (82%), followed by face-to-face (13%) and online courses (5%). Detailed break-up of the programmes conducted during 2012-13 is given below:

Table 5: Types of training programs organized during 2012-13

S.No	Types of program	Total
1	Face- to face Training at NIDM	35
2	Face-to-face Training (off-campus)	42
3	Online training	12
4	Satellite Based Training	7
	Total	96

Among various modes of training programmes, face to face training programmes are the main programmes. The institute is organizing both in campus and off campus. A detail analysis of these programmes is given in the succeeding text.

### 2.7.2 Profile of participants

The training programs provided by NIDM were able to capture participants from different fields across India as well as other countries, and different sectors like government, civil society organizations, academicians etc. However, 99% of the participants were government officials. Participants trained were from various municipalities and urban planning (20%) including Municipal Corporation of Delhi (MCD), followed by revenue and disaster management department (12%), academicians from various fields and institutions (10%), army and police including National Disaster Response Force (9%), and various nongovernmental organizations (5%). There were also representations from different line departments of states like forest and environment (2%), water and irrigation (2%), rural department (2%) and women, child and welfare (1%). NIDM had also trained participants from different countries mainly African countries (1%). Profile of participants trained through various training programs have been given in the figure 5.

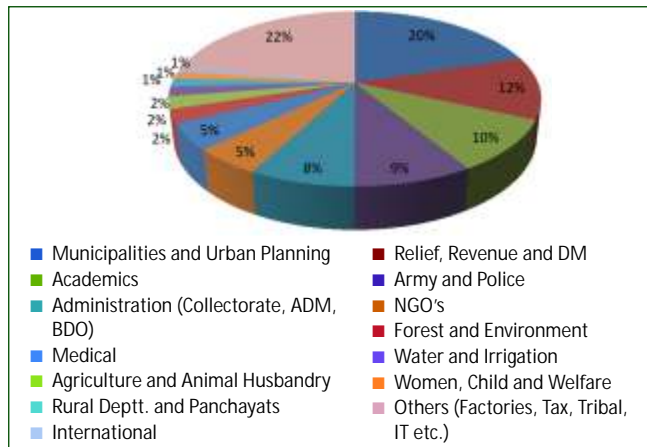


Figure 5: Profile of participants during 2012-13 training programmes

### 2.7.3 Region-wise participants' profile

Most of the participants were from northern India (Jammu and Kashmir, Delhi, Haryana, Punjab, Uttarakhand) followed by Eastern India (Bihar, Jharkhand, West Bengal, Odisha), North East (Seven sisters), South India (Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Puducherry), Western India (Gujarat, Rajasthan, Maharashtra, Goa, Daman & Diu, Dadra and Nagar Haveli), Central India (Madhya Pradesh, Chhattisgarh) and two Small Island Groups in India (Lakshadweep, Andaman and Nicobar Island). 20 officials (almost 1%) were from other countries, mainly African countries. Table 6 provides the list of participants from different parts of country.

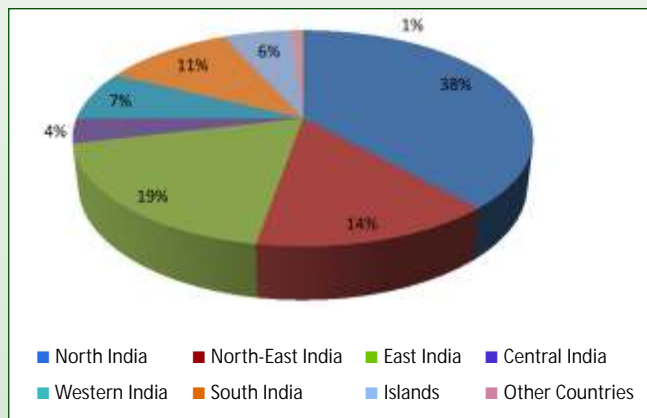


Figure 6: Region wise profile of participants under face to face training programmes

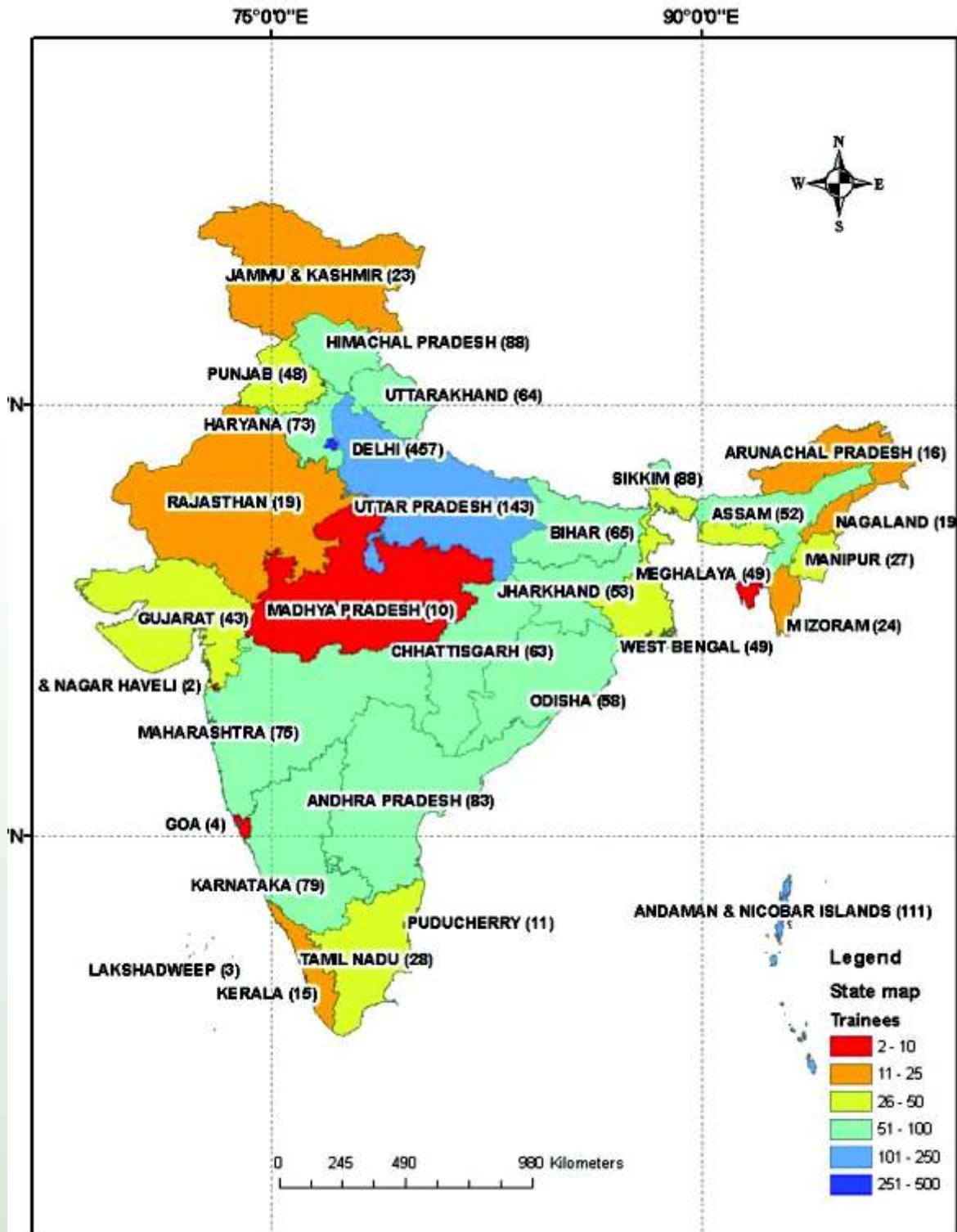


Figure 7: Map representing the number of persons trained under face to face training programmes in different states and UTs. during the year.

Table 6: Total Number of participants from different state and UTs of India

SNo	State Name	Trainees
1	Andaman & Nicobar Islands	111
2	Andhra Pradesh	83
3	Arunachal Pradesh	16
4	Assam	52
5	Bihar	65
6	Chandigarh	8
7	Chhattisgarh	63
8	Dadra & Nagar Haveli	2
9	Daman & Diu	4
10	Delhi	457
11	Goa	4
12	Gujarat	43
13	Haryana	73
14	Himachal Pradesh	88
15	Jammu & Kashmir	23
16	Jharkhand	53
17	Karnataka	79
18	Kerala	15
19	Lakshadweep	3
20	Madhya Pradesh	10
21	Maharashtra	75
22	Manipur	27
23	Meghalaya	49
24	Mizoram	24
25	Nagaland	19
26	Odisha	58
27	Puducherry	11
28	Punjab	48
29	Rajasthan	19
30	Sikkim	88
31	Tamil Nadu	28
32	Tripura	10
33	Uttar Pradesh	143
34	Uttarakhand	64
35	West Bengal	49
	Total	1984

## 2.7.4 Broad Areas of Training Programs covered during the year 2012-13

Since inception NIDM has been focusing on several issues of disaster management in the training programs. Various training programmes carried out by NIDM during the year 2012 -13 are broadly classified under six headings: (i) Basic Disaster Management Courses (ii) Hazard specific programmes (iii) Cross cutting issues (iv) Emergency Response (v) Technology (Engineering, Medical and Geoinformatics) and (vi) Others. The figure below explains different training courses conducted by NIDM during 2012-13.

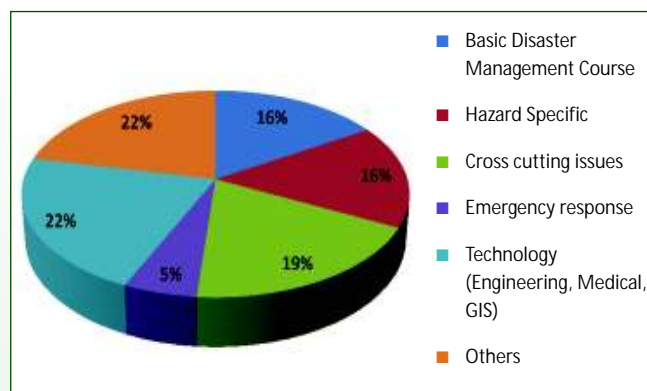


Figure 8: Course wise analysis of Training programs

List of training programs under different categories:

- (i) Basic disaster management courses for different target groups
  - On-site and off-site disaster preparedness for chemical emergencies
  - Disaster safe hill area development
  - Industrial disaster and management
  - Urban risk mitigation and management
  - Management of road accidents
  - Comprehensive disaster management course for Teachers

- (ii) Hazard Specific programmes
  - Cyclone risk mitigation
  - Drought mitigation and management
  - Forest fire management
  - landslide risk hazard management
  - Management of heat and cold wave
  - Flood risk mitigation and management
- (iii) Cross cutting issues
  - Formulation of district disaster management plan
  - Post disaster damage and need assessment
  - Climate change and drought risk mitigation
  - Managing flood disaster under climate change
  - Ecosystem approach for disaster risk reduction
  - Legal framework for disaster management
  - Role of forestry sector in disaster management
- (iv) Emergency Response
  - Training on emergency operation centres
  - Course on Incident Response System and integrated planning
- (iv) Technology (Engineering, Medical and Geo-informatics)
  - Seismic safety assessment of buildings by rapid visual screening
  - Disaster Management and first aid
  - Earthquake risk mitigation
- Geo-informatics Applications in disaster management
- Building codes and design for disaster safe built environment
- Disaster health care management
- Seismic micro zonation and risk mapping
- Space technology applications in disaster risk reduction
- (v) Others
  - Reproductive health, Gender and Psycho-social support in Disaster management
  - National School safety program
  - Community based disaster risk management
  - Gender and disaster management
  - Role of media in disaster management
  - Needs of children in disaster
  - Disabilities in Disaster
  - Stress management for disaster responders

### 2.7.5 Administrative Training Institutes (ATIs)

NIDM supports the Disaster Management Centres (DMCs) in almost all the states. Majority of such centres are located at state ATI's. Under this scheme, NIDM provided financial assistance till 2011-12 to support up to four faculty members and other support staff in each DMC under the Central Sector Scheme. Besides, program expenses of the Disaster Management Centres were also borne by NIDM. At present a total of 26 such centres are set up. Training programs of the Centres were developed through a consultative process in the Annual Training Conference (ATC) organized by NIDM for this purpose. The ATC is attended by the Relief

Commissioners of the States, Director Generals of ATIs, and representatives of the concerned nodal ministries and departments of the Government of India.

Together all the Disaster Management Centres trained more than 25,000 cutting edge functionaries of the government. During the last five years (from 2007-08 to 2011-12) total 2627 training programs had been conducted by 26 ATIs (figure 9) and 1,06,448 participants had been trained through various trainings supported by NIDM (figure 10). A detailed list of number of courses conducted and participants trained by different DMCs (during the period when the Central Sector Scheme was with NIDM) has been given in the annex II.

### 2.7.6 Feedback

At the end of each training program, the important components such as training design, training methods, training materials, speaker's effectiveness, boarding and lodging facilities, library facilities etc., are evaluated so as to take necessary steps to improve the design, content and effectiveness of training program.

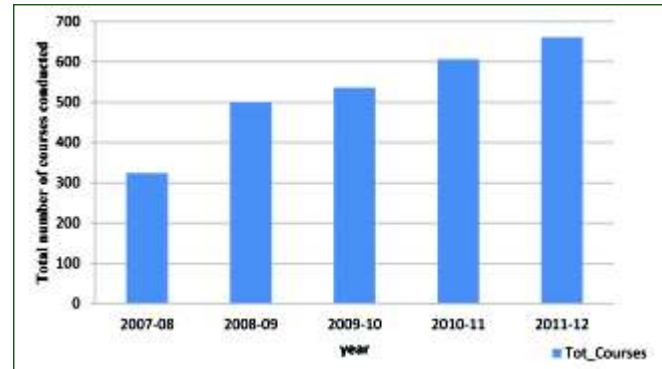


Figure 9: Total number of courses conducted by DMCs from 2007-08 to 2011-12

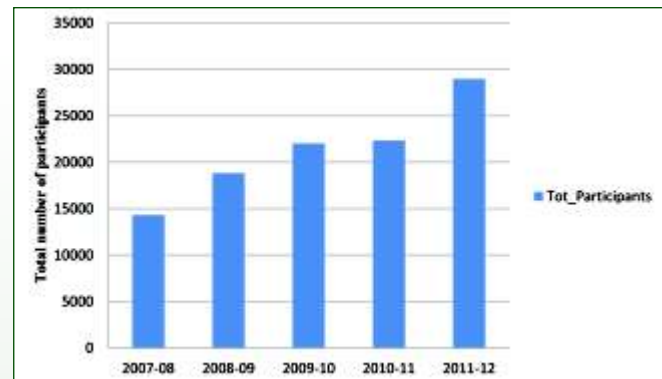


Figure 10: Total participants trained through ATIs from 2007-08 to 2011-12

## 3

## CHAPTER

## PROJECTS

NIDM carried out research, consultancy and collaborative projects with other ministries, national and international organizations on various dimensions of disaster and development. These project outcomes are utilized for understanding the hazard scenarios, developing plans and policy documents and also a key input to trainings based on direct experiences drawn from field. The research outcomes are effectively used in NIDM's training programmes and developing case study modules.

### 3.1 Types of Projects

The projects carried out were of the following types

- Capacity building projects covering training need analysis, developing training modules, developing and implementing training programmes based on field experiences etc. (e.g. World Bank - National Cyclone Risk Mitigation Project, Indo German Cooperation – ekDRM, RVS training programmes, developed as a part of Forensic investigation of Lalita Park Building Collapse etc.). Training modules based on case studies are developed under ekDRM project.
- Post disaster investigation and documentation projects (e.g. Forensic investigation of Lalita Park Building Collapse and India disaster Report - 2012).
- Hazard mapping, vulnerability analysis and risk assessment, Capacity analysis, Mitigation

analysis etc (ICSSR funded Bundelkhand Drought Project, RVS of Buildings under MCD project etc.).

- Developing tools and techniques for DRR training and capacity building (e.g. evolve standardized PDNA tools relevant to India to revamp the entire system of Post Disaster Needs Assessment in India under WB cyclone mitigation project, blended learning platform developed under ekDRM etc.).
- Networking and knowledge collaboration projects: Such projects are aimed to exchange the technical knowledge and information in prevention and mitigation of disasters and exchange faculty members for advanced research and training on disaster risk management, organization of workshops, training programmes and field visits on DRM and publication of books, journals, pamphlets etc. on subjects of mutual interest (Indo Japanese Collaboration, ekDRM etc.).

### 3.2 Tools and techniques

The research tools and techniques adopted for these projects include Training Need Analysis, Scientific methods like GIS and Remote Sensing Based Analysis, Engineering methods like RVS, Statistical Methods, and Social Science Methods like Sample Surveys, Structured Interviews, Case Studies, Participatory Learning Approaches (PLA), Qualitative Assessments and Impact Analysis etc.

### 3.3. Projects ongoing/completed

NIDM has taken several consultative and research projects since its inception. Highlights of some of the projects undertaken in the past are as below:

Table 7: Projects undertaken by NIDM in past

S.No	Name of the Projects
1	Administrative Reforms towards Enhanced Preparedness and Quick Response
2	Capacity Development for Climate Change Adaptation: MoEF-GEF Climate Change Adaptation Project in India
3	Climate Change Adaptation and disaster Risk Reduction (Joint initiatives with MoEF, TERI, UNDP, Institute of Social and Environment Transition
4	Local Response to too much and too little water in the Greater Himalayan Region (with ICIMOD)
5	Greater Noida Twin Township Disaster Management Plan
6	Urban Flood case study project
7	Development of guidelines, modules and methodology
8	Customization of Incident Response System (IRS) Modules (with USAID)

During the year 2012-13, the institute worked on eight projects on different aspects of disaster management.

The highlights of projects are as follows:

Table 8: Projects undertaken by NIDM in the year 2012-13

Sl.	Name of the Projects	Faculty
1	National Cyclone Risk Mitigation Project	Prof. Santosh Kumar
2	Environmental Knowledge for Disaster Risk Management (ekDRM)	Dr. Anil K. Gupta Sreeja S Nair
3	Vulnerability Assessment and Mitigation Analysis for Drought in Bundelkhand region	Dr. Anil K Gupta Sreeja S Nair
4	Joint Indo-Japanese Action Plan for Landslides and Disaster Management Documentation, Training & Capacity Development for Landslides Risk Management" (approved by ICL and IPL-ISDR)	Dr. Surya Prakash Prof. Chandan Ghosh
5	Forensic investigation of Lalita Park, Lakshminagar	Prof. Chandan Ghosh
6	World Centre of Excellence on Landslides Disaster Reduction (approved by ICL and IPL-ISDR)	Dr. Surya Prakash Prof. Chandan Ghosh
7	Mainstreaming Reproductive Health, Gender including Gender Based Violence & Psychosocial Support	Dr. Sujata Satpathy

#### 3.3.1 National Cyclone Risk Mitigation Project

The National Cyclone Risk Mitigation Project seeks to minimize vulnerability in the cyclone hazard prone states and Union Territories of India and make people and infrastructure disaster resilient, in harmony with

conservation of coastal ecosystems. The project is divided into four major components A, B, C & D. The specific objective of component 'C' of NCRMP entrusted to NIDM are strengthening Disaster Risk Mitigation (DRM) capacity at Central, State and Local levels in order to enable mainstreaming of risk mitigation measures into the overall development agenda. The activities to be carried out by NIDM under this component include – a) Preparation of long term training and capacity building strategy, b) Implementation of high priority training and capacity building programs and c) Damage and loss assessment.

Details about the two studies to be carried out by NIDM are as below:

*Study I: Preparing Long Term Training and Capacity Building Strategy for Disaster Risk Reduction in India*

National Institute of Disaster Management (NIDM) has commissioned a study for 'Preparing Long Term Training and Capacity Building Strategy for Disaster Risk Mitigation in India'. This study is being undertaken by NIDM under Component 'C' of National Cyclone Risk Mitigation Project. The said study is related to Capacity Building of stakeholders with multi hazard approach, though the project is only for cyclone risk mitigation. It aims to contribute to a Capacity Development Framework that includes: the training and capacity building needs across all major disasters including earthquakes, landslides, cyclones, floods and drought; across some key sectors including health, education, rural development, and PRIs/local bodies; and across different levels from Panchayati Raj institutions to districts, states and national level. It has various deliverables in the form of reports, modules and workshops culminating in development of final consolidated reports and white paper.

**Objective**

To strategize and suggest Disaster Management training models with focus on quality, accreditation process, research and education initiatives, strengthen

organizations & institutions and further strategic public awareness initiatives.

**Major outcomes**

The first round of field survey in all the six project States is complete. These States are Andhra Pradesh, Bihar, Gujarat, Orissa, Uttarakhand and West Bengal. Field survey involved analyzing the existing institutional capacity, legal framework, training need analysis etc. so that a way forward in the area of capacity building can be chalked out. This analysis led to the quantification of the training needs so that the actual number and type of training programmes to be conducted, identification of institutions which can handle these trainings, requirement of trainers, training of trainers, training infrastructure and re-training over a period of time could be determined and accordingly appropriate investment decision can be taken. A launch workshop for the study was organized on 13<sup>th</sup> March, 2013 at Odisha. The workshop was attended by National experts and Officials.

*Study II: Post Disaster Needs Assessment in India (PDNA)*

**Objective**

To evolve standardized PDNA tools relevant to India, to revamp the entire system of Post Disaster Needs Assessment in India as per new PDNA tools, provide recommendations for integrating the new PDNA tools in the existing procedure and identification and building the capacities/advocacy of relevant stakeholders and create a panel of experts for subsequently undertaking assessments using the new PDNA tools that would be developed in due course.

This study aims at development of standardized PDNA tools for India based on scientific and objective approach.

It will be conducted for the following ten representative states – Tamil Nadu, Andhra Pradesh, Odisha, Bihar, West Bengal, Assam, Uttarakhand, Jammu and Kashmir, Gujarat and Maharashtra. The study will help in



Figure 11 (a): Photographs showing the field survey areas and the discussion with various groups under NCRMP

developing tools which would result in filling up the existing gaps in the current PDNA system being followed in India, resulting in a robust post disaster damage and needs assessment mechanism.

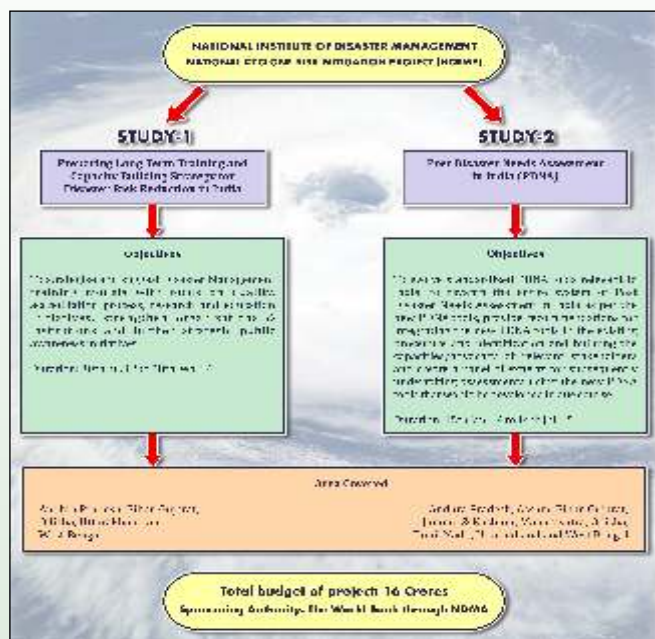


Figure 11 (b): Broad Framework of Project Activities

### 3.3.2 Environmental Knowledge for Disaster Risk Management (ekDRM)

A collaborative project jointly with GIZ Germany has been implemented, as a component of MoEF, GoI

cooperation with Indo-German Environment Program (IGEP) focusing on role of environmental information and tools in disaster related risk analysis, decision support system, mitigation and emergency response, for a period of three years (2010-12). The 'Environment and Knowledge Management for Disaster Risk Management (ekDRM)' project had been conceptualized to address the emerging issues of environmental risk management and develop appropriate tools and techniques suited to the conditions of the country. The project focused on conducting research based case studies, developing training modules and promotion of blended learning approach for capacity building, with five thematic areas, viz. (i) Environmental statistics and DSS for DRM, (ii) Role of environmental legislation in DRR, (iii) Spatial planning and land-use for chemical disaster management, (iv) Role of environmental services and EIA in DRM, and (v) Natural resource management linkage with DRR – climate change adaptation.

#### Aim and Objectives

Aim of the 'Environment and Knowledge Management for Disaster Risk Management (ekDRM)' programme was to strengthen capacity building initiatives on disaster risk management. Key objectives of the project are



Figure 12: Valedictory Session of the International Conference on Environmental Knowledge for Disaster Risk Management (ekDRM)

- To emphasize the environmental aspects of disaster risk management through use of statistical/decision-support system for assessment, planning and case-studies.
- To promote effective network and training with emerging and innovative methods including e-learning, consultation and workshops.
- To promote effective use of web-enabled system for human resource development and training management.
- To develop climate resilient disaster management plan at district and village level  
To develop technical paper on integrating CCA and DRR approaches for planning at local level.
- To promote international cooperation on exchange of ideas, expertise and sharing of experience on aspects of environment and knowledge management for DRM.

#### Major Outcomes

- International Conference on ekDRM was organized during 9-10 May 2011 at Vigyan Bhawan under the project. Selected papers from the proceeding of the workshop were published in the form of an edited book titled "Disaster Management and Risk Reduction: Role of Environmental knowledge". This book covers 21 chapters covering five focus areas of ekDRM project.



Figure 13: Online training programme on Use of Knowledge Base and Statistics for Disaster Risk Management

- Blended learning program on use of statistics and knowledge base was developed during 2011-12 and launched in GC21 online learning Portal of GIZ. Three courses were organized at NIDM (Three days Training of Trainers Workshop during 5-7 December 2011)
- Training programme on Human Resource Development Platform was organized in collaboration with GIZ Germany at NIDM with partner Institutes in February 2010 and April 2012.
- Six Training Modules were developed under the project: 1.Environmental Legislation for Disaster Risk Management; 2. Flood Disaster Risk Management- Hydrological Forecasts: Requirements and Best Practices'; 3. Flood Disaster Risk Management-Gorakhpur Case Study; 4. Database and Statistics for Disaster Risk Management; 5. Geoinformatics Applications in Disaster Risk Management; 6. Critical Infrastructures and Disaster Risk Management.
- An approach to integrate climate change adaptation and disaster risk reduction in coastal region of India (Tamil Nadu and Andhra Pradesh) was made through AdaptCap project of GIZ. Under this approach, a couple of field visits were done by NIDM faculty to Visakhapatnam and Thiruvallur districts of Andhra Pradesh and

Tamil Nadu respectively, to understand the climate sensitivity and disasters linkages, and interact with communities.

- A case study on integration of disaster risk reduction and climate change adaptation focussing on coastal region of India (Tamil Nadu and Andhra Pradesh) has been developed based on the pilots under AdaptCap project.
- Climate resilient disaster management plans at district and village level have already been initiated under this project.

### 3.3.3 Drought Vulnerability and Mitigation Analysis for Bundelkhand region (ICSSR Project)

Research project on “Drought Vulnerability and Mitigation Analysis for Bundelkhand region” has been funded by Indian Council of Social Science Research (ICSSR). Aim of the project is to assess the impact scenario in case of a likely drought occurrence of moderate to severe nature in Bundelkhand (administrative units level) so as to enable develop specific strategies for drought proofing. The study looks into the occurrences of different categories of drought – meteorological, hydrological and agricultural drought, with their spatial and temporal patterns, using statistical and geographical information system application. Detailed analysis of two districts, viz. Lalitpur (UP) and Tikamgarh (MP) is envisaged to understand various interventions of government, communities, and traditional knowledge based innovation options.

The project study involved field visit, discussion with relevant officials to assess the drought scenario and collection of relevant data and development of the data collection formats (district and sub-district level) pertaining to the indicators of vulnerability and mitigation with reference to the drought risk. The project was found helpful in understanding on the significance of site specific interventions that relate to



Figure 14: Meeting with officials of line department and Tehsil level officials at Lalitpur district collectorate on 18 October 2012

short or long term mitigation of drought impacts, besides adaptability of people's actions in particular water and agriculture management practices. In addition, this has also indicated the role of ecological system's resilience and people's attitude towards dealing with a calamitous situation. A clear explanation of these terms will enhance the understanding and better equip the policy makers and mitigation analysts engaged in drought mitigation program in the region.

#### Objectives

- To analyze drought hazard severity and frequency for all types of drought
- To assess the differential and composite vulnerability to impact of drought at district level
- To analyze prevailing mitigation measures against drought risks
- To develop indices for vulnerability and mitigation
- To develop potential drought hazard zonation atlas for Bundelkhand at district level.

#### Major outcomes

- Compilation of extensive bibliography based on detailed literature review on drought vulnerability analysis globally and nationally. Identified methods based on suitability, data availability and feasibility for Bundelkhand region.

- Collected and collated detailed district profile and various datasets required for hazard mapping, vulnerability and mitigation analysis.
- Composite drought hazard maps were prepared based on individual hazards for meteorological/hydrological/agricultural drought. The analysis helped in understanding the interrelationship between meteorological, hydrological and agricultural drought.
- Detailed mapping of all ongoing and recently completed development projects in the region was carried out and drought mitigation value of the project is analysed with special emphasis on Bundelkhand package. Interaction with officials at state, district and community level were carried out in three districts of the region to understand the drought perceptions, impact and mitigation measures at various levels. During the field interactions efforts were made to understand different structural and non structural interventions and their effectiveness in reducing the drought vulnerability.
- A publication on 'Bundelkhand Drought: A Retrospective Analysis and Way Ahead' has been authored by the team as an outcome of the project.

### 3.3.4 Joint Indo-Japanese Action Plan for Landslides and Disaster Management

Following the Joint Declaration on Security Cooperation between India and Japan signed by the Prime Ministers of the two countries in Tokyo on 22 October 2008, National Institute of Disaster Management (Ministry of Home Affairs, Govt. of India) signed a Memorandum of Cooperation with National Institute of Land and Infrastructure Management (NILIM) and a Memorandum of Understanding with Public Works Research Institute (PWRI), Japan to undertake joint activities in the field of landslides and related disaster management. The concrete areas of mutual cooperation concern are (i) development of early

warning system related to landslides including real time monitoring (ii) development of pragmatic model for slope stability analysis to understand failure mechanism in different geo-environmental settings (iii) training and capacity building and dissemination of technologies to the potential users for implementation. Out of the above possible areas of cooperation, specific fields are to be selected for joint action.

#### Objectives

The aim of the bilateral collaboration was to strengthen the comprehensive strategy for landslides studies, prevention, mitigation, preparedness and management in India through cooperation between relevant organizations / experts of the two countries, i.e. Japan and India. The specific objectives were:

- to exchange technical knowledge and information in prevention and mitigation of natural hazards, particularly landslides;
- to exchange faculty members for advanced research and training on disaster risk management;
- to organize of workshops, training programmes and field visits on DRM;
- to come out with publication of books, journals, pamphlets etc. on subjects of mutual interest.

#### Major outcomes

- Two MOUs were signed by Executive Director NIDM with DG NILIM and CEO PWRI, Japan in the field of landslides and disaster management.
- Joint workshop at Tsukuba, Japan during 13-16 January 2010
- Joint Workshop at Nainital and Delhi during 24-28 July 2010
- Joint Training cum Workshop at Gangtok during 8-10 March 2011
- Joint Training cum Workshop at Gangtok during 13-18 February 2012
- One day technical session at NIDM with Japanese experts on 21<sup>st</sup> February 2013.

- Besides organizing the joint Indo-Japanese training cum field workshops on landslides and disaster management, it was decided to carry out joint studies on a specific landslide site (Sikkim Supreme Landslide on NH-31) recommended by the Border Roads Organization.

### 3.3.5 Forensic Investigation of Lalita Park, Lakshminagar, Delhi; Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Screening (RVS)

Following the sudden collapse of a five plus storey building at Lalita Park, Laxminagar, East Delhi, on 15<sup>th</sup> November 2010, which had killed 71 people and injured 65, the Government of National Capital Territory (NCR) of Delhi constituted a Commission of Inquiry to look into the causes of the collapse of the building, assess the safety of built up structures in East Delhi and recommend measures to prevent similar incidents in future. The Inquiry Commission has procured opinions/advise from noted expert agencies/organisations of the country. In addition, Prof. Ghosh, NIDM, has been entrusted to carry out forensic investigation of the fateful building with logistic and financial support from MCD, Delhi.

NIDM investigation revealed that the impact of prolonged inundation of the basement, incipient seepage through the basement, poor quality (non engineered) construction, weakening of one of the 11 load bearing columns by contaminated (sewerage with abundance of sulphide and chloride salt) water which was later on found heavily reinforced at the failed beam-column junction, irregular geometry with excessive cantilever and floating wall, are some of the causative factors that led to the failure. NIDM investigation revealed that the building had not failed by punching shear of the foundation, which was initially conjectured. Upon excavation of three different column foundations, it was found that columns are having unusually smaller footing [0.7mx0.8m], which according to normal estimate is just enough to carry 4-5

ton load. Silty sand found below the foundation might have undergone excessive compaction during the service life of this building. However, it is still a mystery how this building survived so many years with less than a meter sq. eccentric footing!

In view of the portending threats from earthquakes in and around Delhi-NCR, which falls under seismic zone-IV, the Commission desired to check vulnerability of built environment in East Delhi. The commission has entrusted this task to NIDM. After series of consultations with ED-NIDM and other experts it was decided to carry out Rapid Visual Screening (RVS) of 10000 building units in the East Delhi. Prof. Ghosh took up this job, initially with the RVS training for 40 MCD-Engineers at NIDM. After studying various methodologies prescribed in BIS, FEMA, a new format has been evolved and the same was used in all 64 wards of East Delhi by involving more than 100 engineers from MCD. A web based application for recording building data onsite has been developed by NIDM.

NIDM has submitted the forensic investigation report to the commission in April 2011 and RVS report in August 2011. Both these reports were included as annexure to the original report submitted by the Inquiry commission to Delhi Govt. in August 2011. As the matter is still under sub-judice, the details of the findings are not possible to divulge by NIDM.

### 3.3.6 World Centre of Excellence on Landslide Risk Reduction

National Institute of Disaster Management (NIDM), New Delhi, India has been conferred the title of "World Centre of Excellence on Landslide Risk Reduction" by the International Consortium on Landslides (ICL) and Global Promotion Committee (GPC) of the International Programme on Landslides under International Strategy for Disaster Reduction (IPL-ISDR) during the 2nd World Landslide Forum held at FAO Headquarters, Rome, Italy between 3 and 7 October 2011. NIDM is now one among the 15 organizations / universities / institutes in different countries which have been identified as



Figure 15: Certificate of World Centre of Excellence on Landslide

WCoEs by the GPC of IPL-ISDR and ICL. This title of WCoE-LDR has been conferred for the period between 2011 and 2014. Dr. Surya Parkash, Associate Professor, NIDM is the Leader of WCoE-LRR at NIDM. A project entitled "Documentation, Training and Capacity Development for Landslides Risk Management" has also been approved under the International Programme on Landslides as IPL Project-172. Dr. Surya Parkash has also been identified as the Coordinator for the ICL's Thematic Network on Landslides Risk Management. Presently NIDM has the distinction of being the only organization from India that represents the country at ICL.

### 3.3.7 Mainstreaming Reproductive Health (RH), Gender including Gender based Violence (GBV) and Psychosocial support (PSS) in Disaster Risk Reduction: A composite Capacity Building Intervention for Program Managers

NIDM conducts various training programs on disaster health care management, gender issues including GVB and DM and disaster PSS etc. However, reproductive health issues are not being adequately dealt in the programs. Besides, gender issues and psychosocial issues are not integrated in many training program of NIDM. Disaster health care management program also does not include sessions on RH. Neither NIDM nor other DM training institutes does not have expertise to conduct program related to these issues in the context

of DM. To address the gap UNFPA and NIDM jointly developed training modules, manual, guidebook, etc. to develop capacity of disaster management officials in RH, GVB, and PSS. There are three major activities under this project: 1) development of add-on capsules on need of RH, gender, GBV and PSS for integration in the ongoing DM training program; .2) development of training materials, facilitator guide and modules for trainees; and 3) conduct training program to create a cadre of master trainers on RH, GBV and PSS at national and state level. Institutional arrangement includes inputs of UNFPA at various stages of the module development and provides technical and financial support for implementing the project; however, NIDM will be implementing the project.

#### Objectives

Aim of the program is to build capacities of DM professionals to effectively response to RH, gender including GBV and PSS during disasters. The main objectives are

- to integrate RH, gender including GBV and PSS into relevant existing training programs on DM conducted by NIDM and ATI's;
- to design and organise capacity building program (Stand alone for RH) at national and state level training institutes.

#### Major outcomes

- Regional training of trainers program were organised at YASADA, Pune during 28 Feb-2<sup>nd</sup> March, 2012.
- Regional Training program at AASC, Guwahati 8<sup>th</sup>-11<sup>th</sup> May.
- Regional training at MCRHRD Institute, AP 30<sup>th</sup> April to 3<sup>rd</sup> May, 2012.
- ToT Module on RH, GBV and PSS in DM had been developed.
- Awareness/training materials in the form of posters were printed.

## 4

## CHAPTER

INFORMATION AND  
COMMUNICATION  
TECHNOLOGY INITIATIVES4.1 India Disaster Resource  
Network

India Disaster Resource Network (IDRN) is a web based information system, and a platform for managing the inventory of equipment, skilled human resources and critical supplies for emergency response. The primary focus is to enable the decision makers to find answers to their queries on availability of equipment and human resources required to combat any emergency situation. This database enables them to assess the level of preparedness for specific vulnerabilities.



Figure 16: Snapshot of India Disaster Resource Network

## 4.1.1 Objective

IDRN was initiated by Ministry of Home Affairs (MHA) under the GOI - UNDP Disaster Risk Management (DRM) Program, to build up a systematic inventory of equipment and skilled human resources so that disaster

managers can find location and details of resources for immediate response.

## 4.1.2 IDRN Maintenance

- IDRN is currently monitored and maintained by NIDM centrally. NIDM responsibility is limited to user administration and portal maintenance. NIDM is responsible for overall administration of the portal, including user administration.
- Hosted in NIC Server, NIC only entrusted with the technical support.
- District Collector/Magistrate are the authorized officer for facilitating data collection and updation from the district level.
- Department of Disaster Management/ State Disaster Management Authorities are responsible for facilitation and monitoring of state level data.
- All the district magistrates/collectors in the states/UTs are responsible to get the latest information about Disaster Management Resources available with various line departments/agencies uploaded in the portal, availing the technical support of NIC District Informatics Officers. Data is monitored at the central level by National Institute of Disaster Management.

## 4.1.3 Working of IDRN portal

The online inventory of resources is hosted in the National Informatics Centre (NIC), New Delhi.

Authorized government officers have the access to the Portal and the district authority is responsible for updating of data received from various line departments. Data monitored is at the central level by National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India.

#### 4.1.4 Current Status of IDRN

In the year 2012-13, IDRN is having about 1,48,000 records of all the districts of the country. Few states like Gujarat, Punjab, Himachal Pradesh and Rajasthan etc. are updating data regularly. The portal can be accessed at <http://www.idrn.gov.in/>.

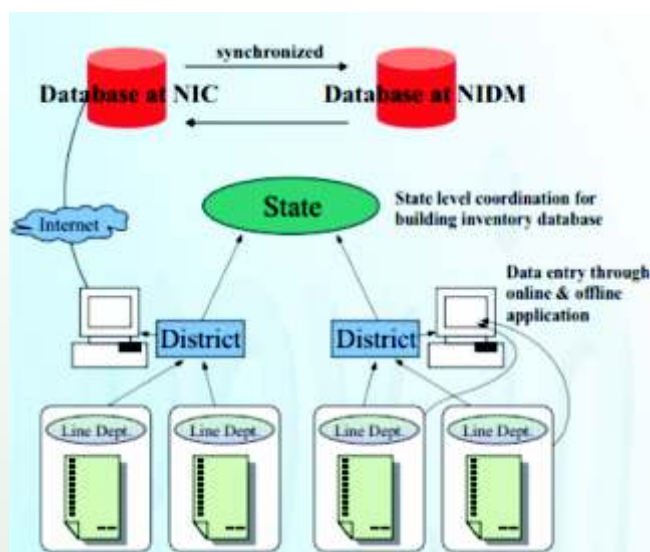


Figure 17: Schematic diagram depicting IDRN functioning

## 4.2 India Disaster Knowledge Network

India Disaster Knowledge Network (IDKN) is a web portal, that offers a broad array of resources and services, such as knowledge collaboration, networking, maps, emergency contact information system and several other valuable information related to natural disasters. It provides a platform to share knowledge and create an environment to learn about disaster management through interactive process.

### 4.2.1 Objectives

Goal of IDKN is to create an easy-to-use unified point of access to Disaster Management Knowledge and Services and hence an accelerated and improved quality of Response. Objectives are:

- Provide consolidated source of disaster-related information and services. Information includes the definition of different hazards, its geographic distribution, vulnerability of India (state level), preparedness and mitigation measures etc.
- Creating awareness about disaster management at all levels.
- Provide a platform to share knowledge and create an environment to learn about disaster management through interactive process.

### 4.2.2 Present Status of IDKN

The knowledge network was initiated in 2004 under Government of India-UNDP disaster risk mitigation program. The portal was formerly transferred to NIDM by Ministry of Home Affairs in the year 2008. It was integrated with regional knowledge network which is South Asian Disaster Knowledge Network (SADKN) which is a joined initiative of SAARC Disaster Management Centre and United Nation International Strategy for Disaster Reduction launched during the Global Platform for Disaster Risk Reduction, May, 2011. NIDM is the national focal point for IDKN, the India portal under the SADKN.

## 4.3 Virtual private networking under Disaster Management Support Program of Indian Space Research Organization (ISRO)

The Disaster Management Support (DMS) Program of ISRO, provides timely support and services from aero-

space systems, both imaging and communications, towards efficient management of disasters in the country. The DMS program address disasters such as flood, cyclone, drought, forest fire, landslide and earthquake. These include creation of digital data base for facilitating hazard zonation, damage assessment, etc., monitoring of major natural disasters using satellite and aerial data; development of appropriate techniques and tools for decision support, establishing satellite based reliable communication network, deployment of emergency communication equipments and R&D towards early warning of disasters.

Towards providing emergency communication for disaster management activities, and at the behest of Ministry of Home Affairs (MHA), ISRO has set up a satellite based Virtual Private Network (VPN) linking the National Control Room at MHA with DMS-DMC at NRSC, important national agencies, key Government Offices in Delhi and control rooms of 22 multi-hazard-prone States.

## 5

## CHAPTER

DOCUMENTATION AND  
PUBLICATIONS

Information is regarded as a resource, which contributes towards the achievement of organizational goals. The value of information as an asset is maximized through its effective management. One of the mandates of NIDM is to make concerted efforts on a continuous basis to effectively manage the disaster management and development information to support the training, research and consultancies activities of the Institute. The services provided by NIDM library are:

- acquisition work
- reference and referral work
- circulations work
- periodical work
- library automation
- photocopy work

## 5.1 Information sources available

## 5.1.1 Books

Library of NIDM is expanding. The institute makes special efforts to collect the literature published on disaster and development and allied aspects by the government, research and training organizations, both at the national and international level and also the literature published commercially. During the period under review the library has a total of 1897 books and other documents. Most of the books have been uploaded at DELNET (Delhi Library Network)

## 5.1.2 Periodicals

During the period under review, NIDM has subscribed to 18 journals and magazines, both Indian and foreign, dealing with disaster, environment and development and allied aspects. NIDM also receives one journal on exchange and complimentary basis and have subscribed about nine newspapers of different types.

Table 9: Library Statistics from  
April 2012 to March 2013

S.No.	Content	Total
1	Total stock as on 31-3- 2013 (Including books, Children's books, and bound volumes of periodicals)	1897
2	Total intake of books during the year ending	48
3	Audio-video material (Videos & CDs)	6
4	Periodicals Subscribe	05
5	Periodicals received on exchange	01
6	Newsletters on gratis	10
7	Number of newspapers subscribed	09
8	Number of Magazine subscribed	12
9	Inter library loan	nil
10	Number of books uploaded at DELNET (Delhi Library Network)	1600

## 5.2 Information Dissemination

The Institute has a mandate to disseminate information on disaster and development. In fulfilling the mandate, the Institute regularly brings out a biannual journal, a quarterly newsletter, research highlights, and course modules, recommendations of seminars and workshops and disaster development statistics. The publications serve the policy makers in providing the feedback on ground realities, offer suggestions and guidelines for better planning and management of disaster and development programmes.

### 5.2.1 Training Modules and Books

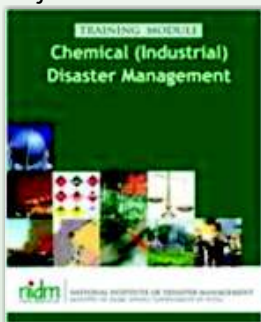
Since the inception, NIDM had published number of modules and training manuals, apart from various research articles, books and conference proceedings. During the annual year 2012-13, 15 training modules and books were published. Details of main modules, books and other publications developed during the period have been enumerated below.

#### 5.2.1.1 Training modules published by NIDM

##### 1. Training Module on Chemical (Industrial) Disaster Management.

Authors: Dr. Anil K. Gupta & Ms. Sreeja S. Nair

About the Module: Training Module on Chemical (Industrial) Disaster Management is developed for the use by institutions engaged in training on Chemical (Industrial) Disaster Management. The module gives description of the learning units, objective, target group, duration, training and performance aids and tips for the trainers. This publication is having 5 sections, viz. Introduction, Legal Framework for Chemical Disaster Management, Field Exposure and Onsite Planning, Tools, Techniques and Methods. The module contain



sample schedule, pre-training assessment and evaluation formats as its annexure.

##### 2. Flood Risk Mitigation and Management: A Training of Trainers Module

Author: Dr. A.D. Kaushik

About the Module: "Flood Risk Mitigation & Management, Training of Trainers Module" has been developed with the technical support of Central Water Commission (CWC), New Delhi to conduct the training program on flood for senior and middle level officers of various sectors of Central and State



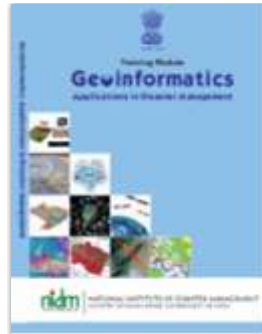
Governments and trainers of various training institutes engaged in disaster management. There are five sections viz., (i) Flood Disaster Management System in India, (ii) Flood Mitigation, (iii) Flood Preparedness, (iv) Flood Response and Cross Cutting Issues and (v) Lessons Learnt. Each module has further been classified as sub modules i.e. learning units to cover related issues of flood risk mitigation and management. This module can be used as a guide book by trainers who have already undergone the training or involved in conducting training programmes on disaster management. The module is self-explanatory and complete, and a person new to the subject can also use it effectively.

##### 3. Training modules on Geoinformatics Applications in Disaster Management

Author: Sreeja S. Nair

About the module: This training modules on Geoinformatics Applications in Disaster Management has been prepared as a training guide for building the capacity of technical professionals and disaster managers to optimally use Space Technology. The module would help the participants to acquire knowledge and basic skills of effectively utilizing

geoinformatics in managing disasters. In addition it can also be used by other training facilitators and self-learners as well. Based on needs assessment and feedback from the national, state and district level technical professionals and Disaster Managers, the module is presented as a series of units containing introduction to Geoinformatics as well as applications in various phases of disaster management i.e. pre, during and post disaster phases.



#### 4. Comprehensive Landslides Risk Management

Author: Dr. Surya Prakash

About the module: The module on "Comprehensive Landslides Risk Management" is developed for five day training course focusing on imparting basic and requisite knowledge / skills needed by different stakeholders at various levels in the field of Landslide Management. This module is divided into 14 submodules. The module is developed with inputs from Geological Survey of India (GSI), Border Roads Organization (BRO) Central Road Research Institute (CRRRI), Advanced Technical Engineering Services (ATES), Central Building Research Institute (CBRI), Snow and Avalanches Studies Establishment (SASE), Wadia Institute of Himalayan Geology (WIHG) and Community Based Disaster Risk Management society (CBDRMS). The module has been designed with multi-hazards risk management approach and briefly discusses various types of vulnerabilities in a holistic manner. The document will provide an insight to the trainees about landslides and measures required for reducing the risks at different levels.



#### 5. Village Disaster Management Plan: Training Module

Authors: Dr. Ajinder Walia & Dr. Sushma Guleria

About the module: The module on "Village disaster Management Plan" is developed by NIDM to help trainers working at the grass root level to build the capacity of community to develop village disaster management plan. This module aims to develop the capacity and skill of the community to make and implement plans at the local level for mitigating the impact of hazards and preventing them from becoming disasters. Target group include local level functionaries like disaster management practitioners, trainers in disaster management, particularly CBDRM, civil defense volunteers, elected representatives of the gram panchayat, community based organization (CBO) and Non-governmental Organization (NGO) members etc. The module provides a detailed description about VDMP, its need and utility, scope, process of formulation and implementation.



#### 6. Flood Disaster Risk Management - Hydrological Forecasts - Requirements and Best Practices: Training Module

Author: Dr. A. Vogelbacher

About the module: The case study module on "Flood Disaster Risk Management: Hydrological Forecasts, Requirements and Best Practices" is developed under the Indo German Cooperation project "Environmental Knowledge for Disaster Risk Management". This module is to supplement the training program on Flood Risk Mitigation and



Management. The module has 10 learning units covering hydrology basics, flood warning systems, real time data acquisition and monitoring network, Meteorological Forecasts, Flood Forecast System, Hydrologic and Hydraulic Models, Updating and Assimilation, Quality Assessment and Uncertainty in Forecast and Organization and Operation of Forecast.

#### 7. Flood Disaster Risk Management - Gorakhpur Case Study: Training Module

Author: Dr. Anil K. Gupta, Ms. Sreeja S. Nair, Dr. Shiraz A. Wajih & Ms. Sunanda Dey

About the module: The case study module on "Flood Disaster Risk Management – Gorakhpur Case Study" is developed under the Indo German Cooperation project "Environmental Knowledge for Disaster Risk Management". The aim of the module is to give an overview of flood risk management in the



context of Gorakhpur. This module is designed and developed in the form of a case study to help users to understand the problem of floods, its different perspectives, impacts on livelihood, risk adaptation methods, community based and community led measures. The case study cites some examples from the work done by the Gorakhpur Environmental Action Group (GEAG) in the field of flood management in Gorakhpur district. This case study module supplements the core training module of NIDM on flood disaster management and does not substitute it.

#### 8. Environmental Legislation for Disaster Risk Management: Training Module

Authors: Dr. Anil K. Gupta, Ms. Sreeja S. Nair & Ms. Swati Singh

About the module: The module on "Environmental Legislations for Disaster Management" is developed

under the Indo German Cooperation project "Environmental Knowledge for Disaster Risk Management". The module gives an overview on the topic of Environmental Legislation for Disaster Risk Management. The module cites examples of legal and policy framework from across the

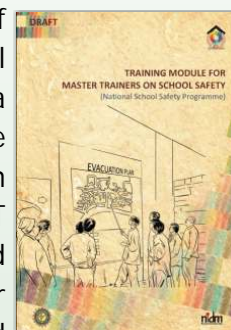


world along with special reference to the Indian legal framework and disaster management guidelines. The module is organized into four learning units (i) Environment and disaster linkages (ii) Environmental legislation for disaster risk management: Global Scenario (iii) Environmental legislation for disaster risk management: National Scenario (iv) Integrating environment management and disaster risk reduction.

#### 9. Training Module for Master Trainers on School Safety [Draft]

Author: Dr. Ritu Raj

About the module: Government of India has approved National School Safety Program (NSSP) - a demonstration project to be implemented by NDMA in partnership of MHRD, state/UT governments, National and International Agencies. Under NSSP, NIDM has been entrusted



with the responsibility to impart training to master trainers and to develop ToT Module on School Safety. This trainer's pack i.e. the TOT modules is developed as part of the National School Safety Program (NSSP) to advance its goal of providing training to master trainers who are expected to further provide training to teachers and other stake holder of the school safety. Eight training programmes were organized by NIDM during 2012-13 and based on the experience and feedback

from experts a five day training module for Master Trainers on School Safety has been developed.

### 5.2.1.2 Books published by NIDM

#### 1. Work Book on Disaster Management

Authors: Dr. Irfana Beghum, Dr. Surya Prakash & Dr. Rita

About the book: A work book on Disaster Management is developed jointly by NIDM and Vigyan Prasar to generate awareness amongst the school children regarding hazards, vulnerability and disasters. This book also provide "do's and dont's " for specific hazards like earthquake, flood, fire, landslides etc.



#### 2. Ecosystem Approach to Disaster Risk Reduction

Editors: Dr. Anil K. Gupta & Ms. Sreeja S. Nair

About the book: This book is an overview of the concept of Ecosystem Approach to Disaster Risk Reduction (Eco-DRR), with case studies on natural resource management and disaster linkages, focussing on Eco-DRR concepts in various phases of disaster management, including post disaster recovery in wide range of human environmental settings. Chapters cover coastal, mountain and urban ecosystems and specific hydro-meteorological risks like floods, forest fire, epidemics, EIA and post disaster environmental management aspects.



#### 3. Environmental Extremes and Disaster Management: Addressing Climate Change

Editors: Dr. Anil K. Gupta & Ms. Sreeja S. Nair

About the book: This publication gives a glimpse of climate change related disaster management issues in

South Asia, and more particularly in India. This publication is built on the theme chosen by the National Institute of Disaster Management (NIDM) for the World Environment Day, "Safeguard the environment for disaster risk reduction," which reflects the pressing need for arresting environmental degradation and improving management of ecosystems and natural resources for achieving disaster risk reduction and adapting to climate risks. It is intended to be used as a reference for the local policy makers and planners, and in general for people at large who try to concise on challenges, issues and solutions for climate change – adaptation and integration with disaster risk management.



#### 4. India Disaster Report 2011

Editors: Dr. K.J . Anandhakumar, Dr. Ajinder Walia & Mr. Shekhar Chaturvedi

About the book: India has witnessed an increase in the frequency and intensity of disasters in the past resulting in widespread devastation. Many of the disasters, particularly in remote areas, go unreported because local administration lack technical and human resources for community-level disaster monitoring and are not able to fully identify or map potential local hazards or develop the appropriate disaster management plans. Losses from low-intensity, but more extensive disaster events continue to affect housing, local infrastructure, and large numbers of people. These disasters at the local level are so frequent that many communities accept them as an integral part of their existence and with varying degrees of success, learn to live with them. During the year 2011, 14 states and one Union Territory



reported damage to various disasters like cyclonic storms, heavy rains, floods, landslides, earthquakes, etc. in varying degrees. These states were Assam, Bihar, Goa, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra, Odisha, Punjab, Sikkim, Uttar Pradesh, Uttarakhand, West Bengal and Union territory of Puduchery. India disaster report 2011 is an effort to systematically collect, collate, analyze and document the disaster happened in India during the 2011 and the lesson learned from them.

### 5.2.1.3 Books of Faculty Member's (published by other publishers)

#### 1. Disaster Management - Engineering & Environmental Aspects

Authors: Dr. H. Sarvothaman & Dr. K.J. Anandha Kumar

The book entitled, "Disaster Management - Engineering & Environmental Aspects" by Dr. H. Sarvothaman & Dr. K.J. Anandha Kumar (Associate Professor, NIDM) was published by Asiatech Publishers Inc., New Delhi. Contents of the book include various natural phenomena and the human activities are dealt with in this book. Among the natural phenomena, the dynamics of natural disasters such as earthquake, volcano, tsunami and seismically-triggered landslide, Cyclone, floods, El Nino, drought and landslides are explained. Fundamental of Plate Tectonics which is the root for the natural disasters is summarized. Basic information on Seismology, including definitions of terminology in earthquake science is an important feature of this book. Major disasters that occurred as a result of anthropogenic hazards are highlighted and the management measures of such disasters are also discussed.

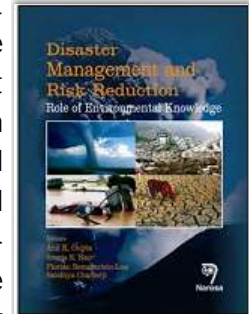


#### 2. Disaster Management and Risk Reduction: Role of Environmental Knowledge

Authors: Dr. Anil K. Gupta, Ms. Sreeja S. Nair, Mr. Florian Bemmerlein-Lux and Ms. Sandhya Chatterjee.

Publisher: Narosa Press, Delhi

The book is the collaborative effort of the Environmental Knowledge for Disaster Risk Management (ekDRM) project team with contributions from experts and scholars at national and international levels, under Indo-German collaboration by the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, and the Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH. Contributions from international experts from different countries including Prof. M.S. Swaminathan, Prof. V.K. Sharma, Prof. P.C. Kesavan, Prof. C.J. Van Westen, Prof. Anne Van der Veen, Dr. Alfons Vogelbacher, Prof. Jörn Birkmann, Prof. Cristian Jochum and Prof. K.G. Thara etc enriched the contents of the book. The book is organized in five sections. Section I provides a detailed Introduction and Overview on environmental knowledge. Section II on Environmental Statistics and Decision Support System Section III is devoted to Spatial Planning for Disaster Risk Management. Section IV covers the Legal and Policy Framework for Disaster Risk Management. Section V of the book addresses the issues of Natural Resource Management for Disaster Risk Reduction



#### 5.2.2 Newsletter

The NIDM Newsletter "Tidings" is a quarterly publication. It highlights the details of various training programmes, seminars and workshops, which are undertaken by NIDM on a regular



basis. Besides giving advance publicity on the training programmes scheduled for the next two months, the Newsletter covers the news of faculty development, success stories, visits and delegations etc. Through this medium, NIDM maintains regular contacts with state ATI's, academic institutes, concerned government departments and NGOs. Since the release of first issue of newsletter by NIDM in 2004, 37 issues had been published till date. Four issues of Newsletter from April 2012 to March 2013 were brought out during the year.

### 5.2.3 Journals and Periodicals

The Institute publishes a bi-annual Journal titled "Disaster & Development". The first issue of the journal was released by Dr. Manmohan Singh, Hon'ble Prime Minister of India at the inaugural function of the First India Disaster Management Congress on 29th





November 2006 at Vigyan Bhawan, New Delhi. Since then, the journal is one of the leading academic publications of NIDM. Eight issues had already been published covering different aspects of disaster management from India as well as other countries.

















## 5.3 Information, Education and Communication (IEC) materials





To generate information and awareness on various disasters and their management, NIDM regularly come up with IEC materials. During the year 2012-13, 22 such materials were developed by NIDM. An account of the same has been provided in the table 10.

Table 10: List of IEC material developed by NIDM in the year 2012-13

Sl.	IEC material developed	Description	
1	NIDM Leaflet	Pamphlet covering brief information about NIDM, its management structure, vision, mission, functions and various other activities of NIDM	
2	NIDM recent publications	Pamphlet, showing information about recent publications of NIDM, like publication title, author, year of publication, brief summary etc.	
3	Apda mein Bachav Kya Kare Kya na Kare	Pamphlet in Hindi language, covering various do's & don'ts of disasters like Fire, Earthquake & Flood.	
4	Flood safety tips	Leaflet, showing various do's & don'ts of Flood along with images.	

5	Earthquake safety tips	Leaflet, showing various do's & don'ts before, during & after Earthquake along with images.	 <p>Earthquake Safety Tips</p>
6	Fire safety tips	Leaflet, showing various Fire Safety Tips including do's and don'ts	 <p>Fire safety Tips</p>
7	Do's & don'ts for Fire safety in School	Pamphlet in Hindi language, showing detailed information about various do's & don'ts for Fire disaster in School along with images.	 <p>Do's &amp; don'ts of Fire in School</p>
8	Online Courses Leaflet	Pamphlet, showing details about various online courses offered by NIDM in partnership with the World Bank Institute, Washington DC.	 <p>Online Courses Leaflet</p>
9	Earthquake Preparedness Guide	A bilingual Earthquake preparedness guide, showing detailed information about Earthquake, different structural systems, effects of earthquake, do's & don'ts regarding before, during & after earthquake etc.	 <p>Earthquake Preparedness Guide</p>
10	Owners Guide for Earthquake Resistant Buildings	A pocket guide, showing pictorial representation about earthquake resistant buildings.	 <p>Owners Guide for Earthquake Resistant Buildings</p>
11	Safeguard Environment for Disaster Risk Reduction : Poem & Slogan Book	This document highlights the outcome of awareness drive through slogan and poem in Hindi and English for students on environment safety for reducing disaster risk & vulnerability across the country.	 <p>Safeguard Environment for Disaster Risk Reduction : Poem &amp; Slogan Book</p>

12	Science Festival : Disaster Management	This document highlights salient features like vulnerability maps of various natural disasters & practical work activities for students with an objective to create awareness among students about disaster management.	 <p>Science Festival : Disaster Management</p>
13	How Safe is My School?	This flyer highlights the need of creation of school safety plans across the country and motivates school children towards disaster resilient environment.	 <p>How Safe is My School?</p>
14	School Safety Tips	Leaflet showing the need of creation of school safety plans across the country and motivate school children towards disaster resilient environment.	 <p>School Safety Advertisement</p>
15	Online Courses Poster	A poster, showing details about various online courses offered by NIDM in partnership of World Bank Institute, Washington DC.	 <p>Online Courses Poster</p>
16	Bookmarks	The bookmark (in Hindi language) developed for school children, shows the pictorial Do's & Don'ts of various natural and manmade disasters and shows how one can save itself and school children from disasters.	 <p>Bookmarks</p>
17	NIDM posters	Bilingual posters depicting mock drills & disaster preparedness activities among school children.	 <p>NIDM Standees</p>
18	Earthquake Snakes & Ladders Game (Ludo)	This is a multiplayer innovative game to make children aware about various do's & don'ts for Earthquake though an interesting Snakes & Ladders Game (Ludo).	 <p>Earthquake Snakes &amp; Ladders Game</p>

19	Calendar	The calendar (desk and wall) discusses about NIDM and its vision & mission. It also highlights various common disasters (season wise) and Do's & Don'ts to safeguard lives, property and environment.	
20	Disaster Reduction Day	Leaflet for the Disaster Reduction Day, an annual event observed by NIDM to promote disaster reduction activities among communities across India.	 <p>Do's and Don'ts for common disasters</p>
21	World Environment Day 2012	Leaflet for the World Environment Day, an event observed by NIDM for creating awareness about our Environment and DRR.	 <p>World Environment Day for DRR</p>
22	Do's and Don'ts for common disasters	Leaflet of 16 pages containing do's and don'ts before, during and after disasters for common disasters like Earthquake, Flood etc.	

#### 5.4. Preparation of National Human Resource Plan

NIDM is mandated, under the Section 42 (9)(b) of the Disaster Management Act 2005, to formulate and implement a comprehensive human resource development plan covering all aspects of disaster management. The initiatives regarding the preparation of National Human Resource and Capacity Development Plan have been initiated in 2003 itself in the follow up of the recommendations of the High Power Committee (HPC) on Disaster Management. The draft HRCD Plan for Disaster Management was developed by NIDM and submitted to the Ministry of Home Affairs in 2011, which was further reviewed by UNDP-DRR Program and Bureau of Crisis Prevention

and Recovery (BCPR), besides seeking inputs/comments from State Governments. After incorporating the suggestions and review comments, the plan was finalized and submitted to the Ministry of Home Affairs in 2012. The initial draft of the Plan has been developed by Prof. Santosh Kumar, which was finalized under the overall supervision of the Dr. Satendra, Executive Director of NIDM by Dr. Anil K Gupta, Associate Professor of the Policy Planning Division of NIDM.

The National HRCD Plan for disaster management has covered the following aspects:

- Disaster Risk Reduction and Management in India
- Approaches to Disaster Management and Risk Reduction

- Needs and Capacity Assessment (Current practice and Training Methodology)
- Institutional Analysis (DM related institutes, Higher education, Professional institutes, other training institutes, and DM education in Civil services)
- Understanding Capacity Gaps and need for creation of cadre of Disaster Management Professionals
- Prioritization of Training Needs (including training, education and research)
- Training and Capacity Development Framework at district and state levels
- Implementation strategy and time frame and budget

## 5.5 Papers/Articles published by NIDM Faculty members during 2012-13

- Maanjhu, S.K., & Anandha Kumar, K.J. (2012). Groundwater simulation studies of parts of Western Yamuna Canal Command area, Haryana (India), for planning sustainable development. *Journal of Geological Society of India*, 80, 539-545.
- Anandha Kumar, K.J. (2013). Rainwater harvesting as Disaster Resilience Technique: Case studies from India. *Tech. Monito*, 30(1), 14-19.
- Rai, B., & Nair, S.S. (2013). Change detection of Barkhal Lake in Faridabad district of Haryana using Geoinformatics techniques. *International Journal of Remote Sensing & Geoscience* 2 (2), 38-41.
- Gupta, A. K., & Nair, S. S. (2013). Applying Environmental Impact Assessments and Strategic Environmental Assessments in Disaster Management. *In: The Role of Ecosystems in Disaster Risk Reduction* (Eds: FG Renaud, K Sudmier-Rieux and M Estrella), United Nations University Press, Bonn (Germany), 416-436.
- Attri, P., Gupta, A.K., Chaudhry, S., & Sharma, S. (2013). Sustainable Urban Development: Integrating Land Use Planning and Disaster Risk Reduction. *In: Disaster Management and Risk Reduction – Role of Environmental Knowledge* (eds: AK Gupta, SS Nair, F B Lux, S Chatterji), Narosa Publishing New Delhi (India), 149-161.
- Singh, A., Nair, S.S., Gupta, A. K., Joshi, P.K., & Sehgal, V.K. (2013). Comprehensive Drought Hazard Analysis Using Geospatial Tools: A Study of Bundelkhand Region, India. *In: Disaster Management and Risk Reduction – Role of Environmental Knowledge* (Eds: AK Gupta, SS Nair, F B Lux, S Chatterji), Narosa Publishing New Delhi (India), 33-58.
- Nair, S. S., Gupta, A. K., & Singh, S. (2013). Disaster Risk Management and Legal Framework: Analysis of Indian Environmental Legislations. *In: Disaster Management and Risk Reduction-Role of Environmental Knowledge* (Eds: AK Gupta, SS Nair, F B Lux, S Chatterji), Narosa Publishing New Delhi (India), 163-87.
- Gupta, A. K., Nair, S.S., & Sharma, V. K. (2013). Environmental Knowledge for Disaster Risk Management: Reference to Hydro-meteorological disasters. *In: Disaster Management and Risk Reduction – Role of Environmental Knowledge* (Eds: AK Gupta, SS Nair, F B Lux, S Chatterji), Narosa Publishing New Delhi (India), 1-12.
- Arya, R., Bhat, M.M., Gupta, A. K., & Yunus, M. (2012). Land-use Practices for Flood Risk Reduction. *In: Landscape Fragmentation and Restoration Researches in India* (Eds: P. Soni and L

Singh), LAP Lambert Academic Press, Germany, 172-177.

- Arya, R., Gupta, A.K., & Yunus, M. (2012). Flood Resilience through Climate Change Adaptation: A case of Gorakhpur, Eastern Uttar Pradesh in India *International Research Journal on Environment Science*, 1(2), 25-28.
- Arya, R., Yunus, M. & Gupta, A.K. (2012). Flood Disaster Risks in Gorakhpur Region: Case Study of 2007 Flood Event. *VSRD Technical & Non-technical Journal*, 3(9), 345-350.

## 5.6 Memorandum of Understanding signed with NIDM

NIDM had signed 15 MoUs with different organizations till date. A list has been provided below:

- 1) Indraprastha (IP) University, Delhi
- 2) Indian Institute of Public Administration (IIPA), Delhi
- 3) National Safety Council, Mumbai
- 4) All India Local Self Government, Pune
- 5) Vellore Institute of Technology, Vellore
- 6) All India Disaster Mitigation Institute, Ahmedabad
- 7) Tata Institute of Social Sciences, Mumbai
- 8) Indian Statistical Institute, Kolkata
- 9) National Disaster Management Authority, Delhi
- 10) ITC Faculty of Geo-Information Science and Earth Observation of the University of Twente, Netherlands
- 11) Asian Disaster Preparedness Centre (ADPC), Bangkok
- 12) National Institute for Land and Infrastructure Management, Japan
- 13) Public Works Research Institute, Japan
- 14) Federation of Indian Chambers of Commerce and Industry (FICCI), Delhi
- 15) Winrock International India, Delhi

## 6

## CHAPTER

MAJOR EVENTS/MEETINGS/  
WORKSHOPS/ CONFERENCES/  
SEMINARS AND OTHER  
OUTREACH ACTIVITIES

## 6.1 Major Events

## 6.1.1 Sixth Meeting of the Governing Body of NIDM

The 6<sup>th</sup> meeting of the Governing Body of NIDM was held on 11<sup>th</sup> July 2012 under the chairmanship of Shri M. Shashidhar Reddy, Hon'ble Vice Chairman, National Disaster Management Authority (NDMA). The meeting was attended by Dr. Sutanu Behuria, Secretary, NDMA; Dr. D. K. Bandyopadhyay, Vice Chancellor, GGSIPU Delhi; Shri R. K. Srivastava, Joint Secretary, MHA; Shri Surender Singh, AFA (H), MHA; Dr. Somprakash Bandyopadhyay, Professor, IIM Kolkata; Dr. D. D. Srinagesh, Chief Scientist, NGRI Hyderabad; Shri V. Bhanumurthy, Scientist 'G', Department of Space; Shri Alok Chandra, Director, Ministry of Finance, Department of Expenditure. The Governing Body considered various agenda items and



Figure 18: Shri. M. Shashidhar Reddy, Hon'ble Member NDMA chaired the 6<sup>th</sup> Meeting of the Governing Body of NIDM

approved/gave directions on the proposals for implementation.

Executive Director NIDM presented an Action Taken Report of the 5<sup>th</sup> Meeting of the Governing Board. The key agenda items of the meeting were (i) developing specific proposal for collaboration with various universities and institutes for promoting quality of training and research, (ii) annual training calendar of NIDM (2012-13), (iii) restructuring of NIDM, (iv) adoption of procedures and guidelines of engagement of consultants on short term contract basis, (v) student internship, (vi) State representative in Governing Body, (vii) establishment matters, (viii) accounts matters, (ix) collaboration with UNESCAP for capacity building in terms of sharing modules and knowledge products and technical collaboration, (x) Annual Disaster Report, (xi) documentation, (xii) ongoing project and programmes, (xiii) training modules, (xiv) National Response Plan and Human Resource Plan and (xvi) publicity and awareness.

Governing body appreciated the various task carried out by NIDM and advised that the institute should focus more on capacity development of the states. It also decided that the institute should take possession of the land being allocated as early as possible. Governing Body (GB) further directed that NIDM should prepare a perspective plan for next five years and place before the next GB for approval. It also decided that the GB should meet at least 3-4 times a year. The meeting ended with vote of thanks from the chair person.



Figure 19: Participants of EAS-India workshop-2012

### 6.1.2 East Asia Summit (EAS) workshop on 8-9 November, 2012

NIDM along with Ministry of Home Affairs & Ministry of External Affairs organized "EAS-INDIA Workshop-2012: Building Regional Framework for Earthquake Risk Management" in November 2012 for East Asia region. Deliberations of the workshop was focused on the countries perspectives and their experiences on past mega-earthquake disasters, along with focus on multi-lateral issues in the areas such as a) logistic challenges in the relief and rescue operation, b) multi-agency coordination, c) exchanging earthquake resistant technology/know how, and, d) protocol in the emergency services information dissemination. The EAS member countries resolved to work with stakeholders to mainstream earthquake risk reduction (ERR) into their development agenda through increasing mitigation and improving preparedness for effective response, and implementing smooth and sustainable recovery and reconstruction in case of earthquake disaster and to provide inputs to new development agenda. Members also pledged to work towards increasing the commitment of public leaders, strengthening the legislative framework, putting in place quality control and assurance, robust enforcement regime, undertaking large scale capacity building of technical professionals and winning trust of

the citizens, develop acceptable methods and strategies for integration of disaster risk reduction, climate change adaptation and disaster recovery financing amongst EAS member countries. The workshop was attended by delegates of around 18 countries representing various Government organizations, National & International NGO's, Research Scholars etc.

The workshop focused on earthquake risk assessment, mitigation, preparedness, response, recovery, rehabilitation and reconstruction. Brief outcome of the workshop were:

(1) Risk Assessment: Developing scenarios to project possible losses during future earthquakes through formal Earthquake Risk Assessment programs that include probabilistic risks of earthquakes, micro-zonation of urban and critical areas; (2) Mitigation: (a) Structural aspects included to develop necessary competencies for the regulation of adopting earthquake resistant technologies for new and existing structures, to enforce a techno-legal framework and construction of earthquake resistant houses, buildings and structures; (b) Non-Structural Aspects include launching long-term technology capacity building programs (3) Preparedness: Improving preparedness for responding to earthquakes by preparing Earthquake Disaster Management Plans at national, provincial and municipal levels in EAS Member Countries; Encouraging business continuity planning in critical infrastructure and business; developing standards for coordinated relief assistance; (4) Response: Sharing of experiences related to specialized volunteer arrangement, developing mechanisms and norms for international relief assistance, developing mechanisms for mobilizing community involvement, developing best practices for efficient information and communication during earthquake disaster, and media handling; sharing practices of developing resilient communities by strengthening community based DRR. (5) Recovery, Rehabilitation and Reconstruction: Hosting focused

programs on post-earthquake damage assessment of buildings for engineers of; sharing possible strategies by drawing from experiences of the EAS member countries for smooth transition from Rescue & relief; recovery to rehabilitation & reconstruction, and early recovery and reconstruction, especially of the critical infrastructure that is required to be brought back to functional order within a short period of time after the earthquake.

### 6.1.3 Environment Day observed on 5<sup>th</sup> June 2012



Figure 20. Dr. Satendra, ED NIDM delivering welcome address on the occasion of World Environment Day

NIDM observed “Environment Day” in lines with the World Environment Day on 5th June 2012. The event was observed with the objective of generating awareness on safeguarding environment for disaster risk reduction. The focus of the event was on climate change and its impact on hydro-meteorological disasters like floods, drought, forest fire, cyclone and epidemics. Winners of the nationwide competitions for students organized by NIDM under the national awareness campaign were given prizes on the occasion. Dr. Muzaffar Ahmed, Hon'ble Member, National Disaster Management Authority, was the Chief Guest of the function. Dr. Ahmed reiterated the need to integrate the environmental protection for disaster risk reduction. Informing about the international and national initiatives on environment sector, disaster risk management and the proposed guidelines on

ecosystem approach to disaster risk reduction, he pointed out the need of capacity building and education on environment based disaster risk management, especially in context of natural and water related disasters. He praised NIDM for its collaboration with the United Nations Partnership for Environment and Disaster Risk Reduction (UN-PEDRR) involving UNEP, UNDP, CADRI, UN-IUCN etc. Dr. Satendra, Executive Director of NIDM highlighted the need of policy integration of environment and disaster management through education and awareness campaigns. He informed about the development of new guidelines and tools for mainstreaming disaster risk reduction into environment sector.

Other guests who graced the occasion were Prof. V. K. Sharma, Hon'ble Vice-chairman of the Sikkim State Disaster Management Authority; Sri Prakash Mishra, Director General of the National Disaster Response Force; Dr. Leena Srivastava, Vice-chancellor of TERI University and many other dignitaries, officials and children. The event was also an occasion of release of three publications of NIDM namely “Ecosystem Approach to Disaster Risk Reduction”, “Environmental Extremes and Disaster Management” and “Workbook on Disaster Management”, for school children. Slogan & poem writing competition in Hindi and English were organized for school children at various schools and winners were given prizes by the Chief Guest in the program.

Around 200 delegates, including government officials, NGOs, professionals, teachers and students were present in the program. Copies of released publications were distributed to delegates. Display of publications of NIDM and SAARC Disaster Management Centre (SDMC) and poems and slogans written by the students were also made for creating awareness. Dr. Anil Kumar Gupta, Associate Professor of Policy Planning at the National Institute of Disaster Management gave vote of thanks at the end of the program.

#### 6.1.4 Observed Disaster Reduction Day on 10<sup>th</sup> October 2012



Figure 21. Book Release on the occasion of DRR day

Disaster Reduction Day (DRR) is observed to raise awareness about disaster risk reduction. It also encourages people and governments to participate in building resilient communities and nations. NIDM observed Disaster Reduction Day this year on 10th October 2012. This day offers an opportunity to focus national attention on important issues and to create awareness about disasters and their management. This is in line with the United Nations' (UN) "International Day for Natural Disaster Reduction" which is annually observed to raise public awareness on issues related to DRR. On Wednesday 10th Oct, 2012 NIDM organized the Disaster Reduction Day at India International Centre, which was attended by Shri. T. Nanda Kumar, Hon'ble Member, NDMA; Dr. Muzaffar Ahmed, Hon'ble Member, NDMA and Shri A.K. Mangotra, Secretary (BM), Ministry of Home Affairs. A special talk on the occasion was delivered by Shri. B.K. Sharma, Former Principal, Ludlow Castle School, Delhi, on "Safe Schools: Journey of Ludlow Castle School". A book on 'Safeguard of Environment' for DRR was also released by the Chief Guest on this occasion, which is a compilation of poems and slogans, written by school students on disaster

management and environmental conservation. NIDM had invited proposals from schools to develop their own "School Safety Plans," with an objective to create awareness among students, teachers and other stakeholders about school safety. Out of the overwhelming response received from schools, 15 selected plans across the country were awarded during the function.

#### 6.1.5 Van Mahotsava on 23<sup>rd</sup> July, 2012

NIDM observed "Van Mahotsava" on 23rd July 2012 with the objective of sensitizing officials about its intricate linkages with forest and DRR leading towards environment sensitive DRR planning. Sh. V.K.Duggal, Hon'ble Member, National Disaster Management Authority, graced the occasion as Chief Guest of the function.

Sh. Mukul Goel, IG NDRF was also present. During the program, two publications of NIDM got released namely "India Disaster Report 2011" and "Directory of Institutions and Resource Persons in Disaster Management". On this event *Vriksharopan* program was also organized, in which saplings were planted by chief guest, other guests and faculty and staff of NIDM and SDMC.



Figure 22: Hon'ble NDMA member Sh. V.K. Duggal planting a tree on the occasion of Van Mahotsava

## 6.2 Conferences, Seminars and Workshops

### 6.2.1 3<sup>rd</sup> NIDM –UNSPIDER Training Workshop on Space Technology Applications in Disaster Risk Reduction and Emergency Response

NIDM and UNSPIDER jointly organized the 3<sup>rd</sup> training workshop on "Space Technology Applications in Disaster Management and Emergency Response" during 2-4<sup>th</sup> April 2012 at NIDM, New Delhi. This workshop was aimed at bridging the gap between the disaster management functionaries and providers of space based data and geo-spatial applications. The workshop offered a platform for the disaster managers and data providers of space-based and geospatial information to discuss about the effective use of geospatial data and technologies in disaster risk management and emergency response. Fifteen participants from various states, including Principal Secretary Disaster Management, Manipur attended the workshop. Dr. P.P. Nageswara Rao, ISRO HQ; Shri V. Bhanumurthy, NRSC; Dr. Shirish Ravan, UNSPIDER and Col. B.B.Singh, NDMA were key resource persons for the training program.



Figure 23: Participants of Training Program on Space Technology Application

### 6.2.2 Workshop on "How prepared we are? Lessons learnt-Post Earthquake" 4/11

A workshop on "How prepared we are? Lessons learnt-Post Earthquake" was conducted by NIDM on 16<sup>th</sup> May 2012. Aim of the workshop was to capture and collate learning and experiences of various stakeholders like responders at state level and at center, humanitarian organizations and corporate and UN partners. The event was inaugurated by Mr. K. M. Singh, Hon'ble Member NDMA; addressed by Mr. T. Srinivas Kumar, INCOIS; and coordinated by Prof. Santosh Kumar, NIDM. An 8.6 earthquake near the Indonesian Coastline on Wednesday, 11<sup>th</sup> April 2012, triggered the apprehension of tsunami. The first earthquake, of magnitude 8.6 quake, struck at 2:38 p.m. (local time, Indonesia). The Pacific Tsunami Warning Center declared a tsunami watch for the entire Indian Ocean and 28 individual countries, including Thailand, Indonesia, Sri Lanka and India. According to the US Geological Survey, the quake struck 308 miles (500 km) southwest of the city of Banda Aceh, on the northern tip of Indonesia's Sumatra Island, at a depth of 20.5 miles (33 km). A second, 8.2 magnitude quake struck two hours later, roughly 120 miles south of the first quake's epicenter. A second, 8.2 magnitude quakes struck two hours later roughly 120 miles south of the first quake's epicenter. As the earthquakes shook Indonesia's western coast and tremors felt in several Indian cities too, tsunami was



Figure 24: Mr. K.M. Singh, Hon'ble Member NDMA, addressing the delegates during the inaugural session of the Workshop

expected to ripple westward across the Indian Ocean and slam eastern coastline in India. Although, the earthquake was the eleventh largest since 1900, fortunately, there was no tsunami. However, the event i.e. the massive earthquake followed by the tsunami warning helped in getting better insights about the existing preparedness and early warning systems, their strengths and gaps.

### 6.2.3 Workshop on National School Safety Program

NIDM organized workshop on National School Safety Program on 3rd August 2012, to facilitate the development of TOT module on School Safety under the National School Safety Program (NSSP). Under this program, NIDM has been entrusted with the responsibilities of imparting training to master trainers and to develop training of trainer's module on School Safety. Based on the training schedule developed by NIDM in consultation with NDMA, NIDM has already conducted eight training programs for master trainers and trained about 200 stakeholders till September, 2012. The aim of the workshop was to discuss the training module framework of School Safety. The objectives of the workshop were (i) to review and analyze the available tools and methodologies and reference material for each training sessions, and (ii) to discuss and finalize the session plan, objectives of the



Figure 25: Participants of workshop on National School Safety Project

ToT Module, key messages of each session, communication strategy and thus finalize training materials.

### 6.2.4 NIDM organized Training Programme on "Comprehensive Disaster Risk Management" for the officials of African countries during 07-18 January 2013

NIDM organized a training program on "Comprehensive Disaster Risk Management" for the officials of African countries during 07-18 January 2013. 19 participants from eight African countries i.e. Zambia, Uganda, Mauritius, Tanzania, Togo, Zanzibar, Niger and Nigeria, attended this program. The aim of the program was to provide knowledge and skills on disaster management related issues and training skills. The objectives of the program were: to define various concepts of disaster management; apply hazard, risk and vulnerability analysis tools in the risk and vulnerability mapping; explain the impact of various disasters on development; draft national disaster management framework in the context of Hyogo Framework of Action and Millennium Development Goals. There were overall 11 modules mainly focusing on concepts, climate change, drought risk management, emergency response etc. The participants visited drought prone areas at Agra and Jaipur and interacted with the community. They also visited various institutes including India Meteorological Department (IMD), National Disaster Management



Figure 26: Participants from African Countries on "Comprehensive Disaster Risk Management Program"

Authority (NDMA), National Disaster Response Force (NDRF) etc. to have interaction and enhance their knowledge on policy, DM structure and demonstration on response to various disasters. The program was inaugurated by Sh. Lokesh Jha, JS (PP), MHA. The valedictory function was presided over by Shri GVV Sarma, JS (DM), MHA and attended by Shri R. Bangar, JS (E&SA), MEA. The program was highly appreciated by the participants and they requested to conduct similar training programmes in future also.

#### 6.2.5 National Seminar on "Industrial Disaster - A National Concern: Prevention, Control and Management", on 25-27 Feb 2013 jointly organized by NIDM & MDC on SHE, Odisha

NIDM and Multi Disciplinary Centre on Safety, Health and Environment (MDC on SHE), Odisha, jointly organized a three days National Seminar on "Industrial Disaster - A National Concern: Prevention, Control and Management", on 25-27 Feb 2013 at MDC on SHE, Bhubaneswar. The program was aimed at updating the knowledge and skills of the participants on issues related to the prevention, mitigation, preparedness and response for industrial disasters with special focus on Chemical Industries. The key objectives of the seminar were (i) to perform better assessment of chemical disaster related risks and vulnerabilities; (ii) to use



Figure 27: Release of training module on Environmental Legislation for Disaster Risk Management during the inaugural session of the National Seminar on Industrial Disaster Management

systematic approach in planning, preparedness and mitigation for chemical disasters; (iii) develop improved coordination amongst various agencies and organizations; (iv) integrate on site and off site plans with disaster management plans. The seminar was attended by 40 delegates from industries, district administration, factories and research institutions. During the inaugural session a souvenir containing technical papers on related areas were released. The training module on Environmental Legislation for Disaster Risk Management developed under the Indo-German Cooperation (GIZ-NIDM) project Environmental Knowledge for Disaster Risk Management was also released during the inaugural function of the seminar.

#### 6.2.6 Eighth Annual Training Conference of NIDM, 7th March, 2013

National Institute of Disaster Management (NIDM) conducted the Eighth Annual Training Conference (ATC) on March 7, 2013 at its campus to discuss training strategy for disaster management for 2013-14. Shri V. K. Duggal, Hon'ble Member, and National Disaster Management Authority (NDMA) inaugurated the conference. Shri Anup K. Chanda, Addl. Chief Secretary & Director General (DG), Administrative Training Institute (ATI), West Bengal and Shri G. V. V. Sarma, Jt. Secretary (Disaster Management), Ministry of Home Affairs (MHA) along with 67 participants comprising of



Figure 28: Annual Training Conference of NIDM

Director Generals / Directors of State ATIs, Head/ faculty members of Centres for Disaster Management (CDMs), representatives from State Disaster Management Authorities (SDMAs), Central Ministries, State Governments and other training institutions of different sectors graced the occasion. This annual event provides an opportunity to all stakeholders to get together, deliberate and decide strategy as well as calendar of activities for the forthcoming year. During the current year, special emphasis has been on institutionalization and mainstreaming of disaster risk reduction training and capacity building initiatives in all departments, universities and agencies at various levels.

### 6.2.7 Training Programme on Emergency Operation Centers (EOC) in collaboration with USAID during 25 - 29, June 2012

National Institute of Disaster Management (NIDM) in collaboration with the United States Agency for International Development (USAID) conducted a training programme on Emergency Operation Centres (EOC) during June 25-29, 2012 at NIDM under Disaster Management Support (DMS) Project being implemented by the Ministry of Home Affairs. The program was facilitated by resource persons from the United States Forest Service (USFS). The Course was inaugurated by Dr. Satendra, Executive Director, NIDM on 25<sup>th</sup> June 2012. Mr. Garry Robbins of USAID highlighted on the progress made in IRS training and institutionalization in India under the collaborative arrangement. Shri Arun Sahdeo, Consultant, NIDM made a presentation on objective and methodology of



Figure 29: Training Program on Emergency Operation Centres

the Course. The objective of the said training program was to impart necessary knowledge and skills to participants in functioning of the EOCs/Control Rooms in post-disaster as well as pre-disaster phases. The first three days (June 25-27) focused on training followed by helping GoI in developing a framework of the manual of the EOC. The following two days (June 28-29) were devoted to group activity for developing framework for the manual for EOCs specific to Indian conditions. The course was attended by 39 participants from the State Government and Central Government including those from NDMA, NIDM and NDRF. The participants belonged to All India Services, State Civil Service, Other Services and State ATIs.

### 6.2.8 Training program for MCD Engineers of Delhi on "Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Screening", 24-27 April 2012



Figure 30: Shri Tejendra Khanna, Hon'ble Lt. Governor Delhi delivering inaugural address.

There are many buildings in Delhi that needs health monitoring on regular basis. Every now and then cases of building collapse are mounting up. While on one hand majority of the buildings are poorly constructed, on other hand there is shortage registered experts/agencies in Delhi, who can be held responsible for checking structural safety of building stocks. In order to augment earthquake resilient infrastructure development, there is urgent need to capacitate

engineers and architect with sufficient knowledge on the evaluation criteria and thereby come out with suitable option to reduce the risk. In view of the above, the National Institute of Disaster Management, decided to conduct state level training program on "Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Screening", during 24-27 April 2012 for MCD Engineers of Delhi. The four days training program was launched on 24th April, 2012 at Conference Hall of NIDM (Ground Floor), NIDM Building, IIPA Campus, I.P. Estate, New Delhi at 10.00 A.M. The program was inaugurated by Shri Tejendra Khanna, Hon'ble Lt. Governor Delhi and presided over by Shri M. Shashidhar Reddy, Hon'ble Vice Chairman, National Disaster Management Authority.

## 6.3 Delegations/Meetings

### 6.3.1 Visit of Chairman, NDMA, Pakistan

Dr. Zafar Iqbal Qadir, Chairman, NDMA, Pakistan visited NIDM and SDMC on 04 May 2012. He was accompanied by Mr. Ali Tauqeer Sheikh, CEO, LEAD, Pakistan. During



Figure 31: ED NIDM Presenting memento to Dr. Zafar Iqbal Qadir, Chairman, NDMA, Pakistan

his visit the Chairman, NDMA, Pakistan interacted with the faculty & officers of NIDM & SDMC. He was briefed about the activities of SDMC. Chairman, NDMA, Pakistan explained to the faculty and officers about the measures taken by NDMA, Pakistan to reduce the disaster risks.

### 6.3.2 USAID Delegation visit

A delegation from United States Agency for International Development (USAID) led by Mr. William S. Berger, Principal Regional Advisor for South Asia, OFDA visited NIDM on 02-08-12 to discuss various issues of mutual interest for collaboration with National Institute of Disaster Management (NIDM) and SAARC Disaster Management Centre (SDMC). The delegation comprised of Mr. Michael Ernst, Regional Advisor for South Asia, OFDA; Mr. Andrea Tracy, Regional Advisor for South Asia, OFDA and Ms. Christine Gottschalk, Asia



Figure 32: United States Agency for International Development (USAID) delegation meeting in the Chamber of Executive Director, NIDM

Team Lead, OFDA, Washington DC. The delegation had a meeting with Dr. Satendra, Executive Director NIDM; Dr. Santosh Kumar, Professor NIDM; Shri Arun Sahdeo, Consultant NIDM and Dr. M.B. Rao, Specialist SDMC. The delegation appraised the progress made under the bilateral agreement between USAID and Government of India under the Disaster Management Support Project. Numbers of issues of mutual interest were discussed for collaboration between the OFDA/USAID and NIDM/SDMC.

### 6.3.3 Official visit of delegation of South African, Ministry of Social Development to India

A ten member delegation led by Ms. Virginia L. Peterson, Chief Executive Officer (CEO), South African Social Security Agency (SASSA) visited NIDM on August 22, 2012 to have meetings and interactions with

representatives of Central Government and State governments in order to know about the disaster management framework of the country and role of NIDM in implementing Government's strategies with respect to disaster management. Meeting was organized by NIDM under the chairmanship of Executive Director, NIDM and was attended by faculty members of NIDM, professionals of SAARC Disaster Management Centre (SDMC) and representatives from Government of NCT of Delhi. Presentations were made on activities of NIDM and SDMC. This was followed by presentation by representatives from Government of NCT of Delhi and South African Delegation. A detailed discussion was held after the presentations about policies, strategies, training and capacity building strategy of Government of India. Discussions were also held on strategy and activities undertaken by various governments on reconstruction and rehabilitation in post disaster phase. During meeting, it was agreed upon to work on future collaborations between South African Government and NIDM in the field of disaster management.

## 6.4 NIDM in International Forum

### 6.4.1 IPCC SREX Event

Dr. Satendra, Executive Director, NIDM along with Prof. Santosh Kumar and Dr. Anil K. Gupta participated in the event "Managing the Risks of Climate Extremes and



Figure 33: ED, NIDM representing during SREX meeting

Disasters in Asia-What can we learn from the IPCC Special Report?" held at Le Meridian Hotel, New Delhi, India on 2-3 May 2012. The new IPCC Special report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX) was tabled in the event. Executive Director, NIDM, made a presentation on various initiatives taken by the institute in the field of climate change mitigation and adaptation.

### 6.4.2 Workshop on "Disaster Management in SAARC Nations"

The International Search and Rescue Advisory Group (INSARAG) organised a three days workshop on disaster management in SAARC nations at Dhaka, Bangladesh during 22-24 May 2012. The workshop was attended by about 40 senior level officers of SAARC member states. The inaugural programme was presided over by the Hon'ble Home Minister of Bangladesh, Ms. Shahara. She said that an agreement on rapid response to natural disaster has been signed in the SAARC 17<sup>th</sup> Summit to ensure that no member state is overwhelmed by a natural calamity. The closing ceremony of the workshop was presided over by Brig. Gen (Retd), Abu Nayeem; Md. Shahidullah, Director General of Fire Service and Civil Defence and Disaster Management and Relief Division Secretary, Dr. M. Aslam Alam; Mr. Neal Walker and UN resident coordinator were the other key dignitaries. The Director General–National Disaster



Figure 34: ED-NIDM representing India during The International Search and Rescue Advisory Group (INSARAG) workshop

Response Force, Executive Director- NIDM & Director of SAARC Disaster Management Centre and Joint Secretary, NDMA, GOI participated in the workshop.

#### 6.4.3 International Training Course on GIS for Disaster Risk Management, Bangkok

Dr. K. J. Anandha Kumar, Associate Professor attended 8<sup>th</sup> International Training Course on GIS for Disaster Risk Management, organized by ADPC in association with ITC, AIT, UNOSAT held at Bangkok, Thailand during 7-18, May, 2012.

#### 6.4.4 Meeting of Landslides Experts at Kyoto, Japan

Dr. Surya Prakash, Associate Professor, NIDM received sponsorship from ICL to participate the ICL-UNESCO meeting of landslide experts from different countries during 14-16 June 2012 at Kyoto - Japan, to create teaching tools on landslide risk reduction for Asia and Pacific region.

#### 6.4.5 International Workshop on Kosi Basin Programme (KBP) Phase I, 03-05 September, 2012, ICIMOD HQ, Kathmandu, Nepal

Dr. Anil K Gupta, Associate Professor of NIDM, participated in the International Workshop on Kosi Basin Programme (KBP) Phase 1 (03-05 September, 2012, ICIMOD HQ, Kathmandu, Nepal) as rapporteur of

the hazard risk mitigation lead group, and delivered a special address to the workshop on challenges of hydro-meteorological disasters in Kosi Basin and downstream with perspectives of policy planning and research.

#### 6.4.6 EAS Seminar on Capacity Building for Disaster Preparedness from 17-21 September, 2012, Beijing, China

Dr. Satendra, Executive Director attended "EAS Seminar on Capacity Building for Disaster Preparedness" during 17 to 21, September 2012, in Beijing, China. The seminar was attended by representatives of more than 12 countries and international organizations. The seminar was organized by the Government of People's Republic of China intended to share the knowledge of participants and their experiences in disaster preparedness capacity building, promote mutual understanding and communication among the participating countries about disaster preparedness laws and regulations, organizational structure, materials reservation and equipment construction among other things, strengthen pragmatic communication and cooperation in disaster preparedness, and provide support for the construction of disaster preparedness management partnership among disaster management departments of various countries. The three days seminar encompassed the four major sessions, i.e., the opening and closing ceremonies, keynote speeches, panel discussions and a field visit. The seminar unfolded on three units of policy, development and capacity construction in disaster preparedness, disaster relief materials reservation and equipment construction, disaster preparedness enhancement and experience sharing. Altogether about 60 participants attended the seminar, including officials and representatives engaged in disaster preparedness from member countries under the framework of EAS, distinguished experts from China and abroad along with domestic representatives of the ministries and local agencies. Executive Director, NIDM



Figure 35: ICIMOD Inception Workshop on Koshi Basin Program, Phase I

made a detailed presentation about disaster preparedness issues in India and response mechanisms.

#### 6.4.7 UNISDR Workshop on "Stock-taking and Ways Forward in Capacity Development for Making Cities Resilient" 19-21 September, 2012, Incheon, Republic of Korea

The UNISDR convened a three day workshop on Stock-taking and Ways Forward in Capacity Development for Making Cities Resilient at the UNISDR ONEA/GETI in Incheon, Republic of Korea on September 19-21, 2012. The Making Cities Resilient Campaign was launched by UNISDR and partners in 2010 with the aim of strengthening the role of local government in disaster risk reduction and the implementation of the Hyogo Framework for Action. Less than two years later, over 1,000 cities have joined the campaign and made it clear that cities are committed to take action. Cities have made it clear that there is a need to make a shift from advocacy to practical actions and emphasized that more support is required to build capacities for implementing the campaign's "Ten Essentials". While efforts are underway in many countries to create an enabling environment through national policy, means and mechanisms of delivering capacity development to scale fall far short of demand. A variety of approaches including training of trainers, support to national training institutors, city to city learning, distance learning and leveraging the emerging market of private sector capacity development service providers. Nearly 40 participants from different regions attended the event. Prof. Santosh Kumar represented Govt. of India and also made presentation on capacity development for urban risk reduction and making cities resilient.

#### 6.4.8 Fifth Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR)

NIDM participated in the 5<sup>th</sup> Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR) during 22-25 October 2012, Yogyakarta, and Republic of

Indonesia. The event is a biennial conference organized by rotation in different Asian countries since 2005. More than 1,100 participants from 97 countries representing government, academia, the private sector, the Red Cross and Red Crescent Movement, the United Nations, civil society and the media participated at the 5<sup>th</sup> AMCDRR. ED-NIDM was deputed by Ministry of Home Affairs, Government of India as a part of four members Indian delegation led by Shri A.K. Mangotra, IAS, Secretary (BM), MHA. The other delegates included Ms. Sujata Saunik, Joint Secretary, NDMA; Shri Sanjay Aggarwal, Director, MHA.

#### 6.4.9 Training Course on Disaster Risk Management: Decision Support Systems for Climate Change Adaptation, 3-11 December 2012 at Potsdam, Germany

The GIZ program "Environmental Knowledge for Disaster Risk Management (EKDRM)" aims to contribute to a sustainable management of resources and adaptation to climate change. The project has been conceptualized to address the emerging issues of environmental risk management and to develop appropriate tools and techniques suited to the conditions of the country. Under the project the major focus will be on environmental concerns and decision support systems including statistical methods, promotion of effective training methodologies, case/



Figure 36: Group photo of the Training Course on Disaster Risk Management: Decision Support Systems for Climate Change Adaptation

research studies, publication of training modules, reference literature, monographs, educational/awareness materials, etc. The training course was organized as a part of the EKDRM Project. The five days training was organized by "Potsdam Research Cluster for Geo-risk Analysis, Environmental Change and Sustainability - PROGRESS" of the Potsdam Centre for Policy and Management (PCPM). The five days training course was followed by visits to ministries and institutions working on disaster communications, early warning systems and emergency response. The key objectives of the course were to (i) update knowledge on sustainable management of resources to improve the disaster risks management and adaptation to climate change, (ii) introduce the decision support systems for climate change adaptation and disaster risk management with strengths, limitations and implementation challenges, (iii) enhance knowledge on approaches for the challenges of the concept "From Science to Society" with practical examples, and (iv) future interdisciplinary cooperation in disaster prevention and risk management, especially between natural sciences research institutions and their counterparts from the social sciences. The program was attended by Dr. Anil K. Gupta, Associate Professor, and Ms. Sreeja S. Nair, Assistant Professor from NIDM.

## 6.5 Awards, recognition and other activities

### 6.5.1 Chandan Ghosh, Professor & Head (Geo-Hazards Division), NIDM receives CIDC Vishwakarma Awards-2013

In a gala function organized on 7th March 2013, at Stein Auditorium, India Habitat Centre, New Delhi, Prof. Chandan Ghosh, received 5th CIDC - Vishwakarma Award - 2013 in the category of outstanding academicians/scientist/technologist/innovator in recognition of his immense contribution in



Figure 37: Prof. Chandan Ghosh receiving CIDC Vishwakarma Award the field of disaster mitigation and management research, training, capacity building and policy advocacy. The Construction Industry Development Council (CIDC), an umbrella organization for the construction industry in India, had been set up in 1996 jointly by the Planning Commission, Government of India and the Indian construction industry. As per recommendation of the jury and board of governors of CIDC, the awards are hosted annually to recognize the works and achievements of individuals and organizations towards best practices in Indian construction industries. The awards were distributed by Shri. Vineet Bakhshi, VSM (CMD, M/s Goa Shipyard Ltd.), Shri Chander Verma, (Chairman, CIDC) and the other dignitaries present on dais included Pronab Sen (Chairman of the Jury and Chairman, National Statistical Commission), B. D. Mundhra (CMD, Simplex Infrastructures Ltd), P. S. Rana (Former CMD, HUDCO), R Kapur (Director, Umak Investment Co. Pvt. Ltd.), Mr. Ranjeet More (Managing Director, Universal Construction Machinery & Equipment Ltd.) and Er. Bhawani Datt Joshi (Former CEO-cum-Secretary, Himachal Pradesh Urban Development Authority, Govt. of Himachal Pradesh).

### 6.5.2 Excellence award to Dr. Anil K Gupta

Association of Environmental and Occupational Health (IAOH) honored Dr. Anil K Gupta with the Excellence Award for the year 2012 during its 62<sup>nd</sup> Annual National

Conference of Indian Association of Occupation Health (IAOH), 1-4 February 2012 at New Delhi. The award was given on the thematic category of 'health promotion at the workplace-'Partnership for Concerted Action' and 'Changing face of occupational health'. The citation was presented to Dr. Gupta in a special symposium on 4th February 2012 for his outstanding contribution in the area of disaster risk reduction and environmental health. Dr. Gupta also delivered a special talk on disaster risk reduction and environmental health in the changing climate.

### 6.5.3 NIDM'S participation in IITF-2012, 14<sup>th</sup> to 27<sup>th</sup> November, 2012

NIDM took part in the International Trade Fair-2012, held at Pragati Maidan every year from November 14th to 27th, 2012. In hall number 6 of IITF, NIDM along with National Disaster Management Authority (NDMA) & National Disaster Response Force (NDRF) displayed its products and activities that included training materials, documents and modules published by NIDM. In addition, NIDM also displayed and distributed IEC material (eight types) for generating awareness. Awareness items (in the form of leaflets, booklets, calendars with do's & don'ts, carry bags with slogans, workbooks etc.) were developed by NIDM for distribution in the Fair. NIDM took active part in the mock drills conducted by NDRF on 16th, 17th and 18th November at Hans Dhvani Theater in the Fair. More



Figure 38: NIDM pavilion at Hall number 6 of IITF

than 2000 sets of awareness materials were distributed to the children and other viewers. The NDMA stall at IITF-2012 was also awarded special commendation medal for excellence in display by Dr. D. Purandeswari, Minister of State for Commerce and Industry.

### 6.5.4 NIDM faculty's book on Disaster Management released by Shri Mullappally Ramachandran, Hon'ble Minister of State for Home Affairs

Shri Mullappally Ramachandran, Hon'ble Minister of State for Home Affairs, Government of India released a book entitled, "Disaster Management: Engineering & Environmental Aspects" by H.Sarvothaman & K.J.



Figure 39: Shri Mullappally Ramachandran, Hon'ble Minister of State for Home Affairs, Government of India releasing book entitled, "Disaster Management - Engineering & Environmental Aspects"

Anandha Kumar (Associate Professor, NIDM) of Asiatic Publishers Inc, in the presence of Shri T.V.R.Shenoy, Eminent journalist and Padma Bhushan awardee.

### 6.5.5 NIDM takes part in Science Expo, Jan 31<sup>th</sup>-Feb 4<sup>th</sup>, 2013

For the first time, National Science Centre, New Delhi, organized Science Expo to showcase the latest Research & Development activities of different Indian Scientific Institutions in various fields. During this event popular science lectures, interactive sessions on careers in the area of R&D, demonstration of instruments/gadgets



Figure 40: NIDM faculty demonstrating physical models with particular reference to earthquake and buildings to Shri D. Rama Sarma, Director, National Science Centre and Prof. Ramesh Chandra Budhani, Director, National Physical Laboratory.

and contests for students were arranged. In order to popularize disaster management education and awareness, NIDM took part in this expo along with 12 more premier organizations of the country. During this exhibition NIDM showcased disaster management scenarios through demonstration of physical models with particular reference to earthquake and buildings, live videos and display materials. Wide range of IEC materials developed by NIDM, especially for generating awareness and enhancing knowledge of the students about disaster management was distributed amongst visitors. The main IEC material developed include leaflets for school safety planning, fire prevention, do's

and don'ts for common disasters, earthquake awareness ludo game kit, wall and desk calendars showing safety tips etc. Documentaries on disaster risk reduction were also screened during the exhibition. Around 25,000 students visited the expo.

#### 6.5.6 National Platform for Disaster Risk Reduction (NPDRR) Secretariat at NIDM

Government of India has constituted a multi-stakeholder National Platform for Disaster Risk Reduction (NPDRR) vide Government's Resolution No.47-31/2012-DM-III dated 26th February 2013. The National Platform aims to bring together the whole range of India's disaster risk community from government, parliamentarians, mayors, media, international organizations, NGOs, local community representatives, scientific and academic institutions and corporate businesses etc. to facilitate sharing of experiences, views and ideas, present findings of research and action and explore opportunities for mutual cooperation in the field of disaster risk reduction. The output from the National Platform will offer a strategic direction and a road map for the formulation of our future National Action Plans on DRR. Recognizing the mandates of NIDM in the areas of networking and collaboration in the areas of DRR, the Secretariat of the Platform was set up at NIDM.

## 7

## CHAPTER

## ADMINISTRATION

## 7.1 Management Structure

Union Home Minister is the President of the Institute and Vice Chairman of the National Disaster Management Authority (NDMA) is its Vice President. The General Body of the Institute comprises of 42 Members which include Secretaries of various nodal Ministries and Departments of Government of India and

State Governments and heads of national levels scientific, research and technical organizations, besides eminent scholars, scientists and practitioners (see Annex 4).

The Institute has a Governing Body of 15 members chaired by Vice Chairman of NDMA. Union Home Secretary is the Vice Chairman of the Governing Body of the Institute (Table 11).

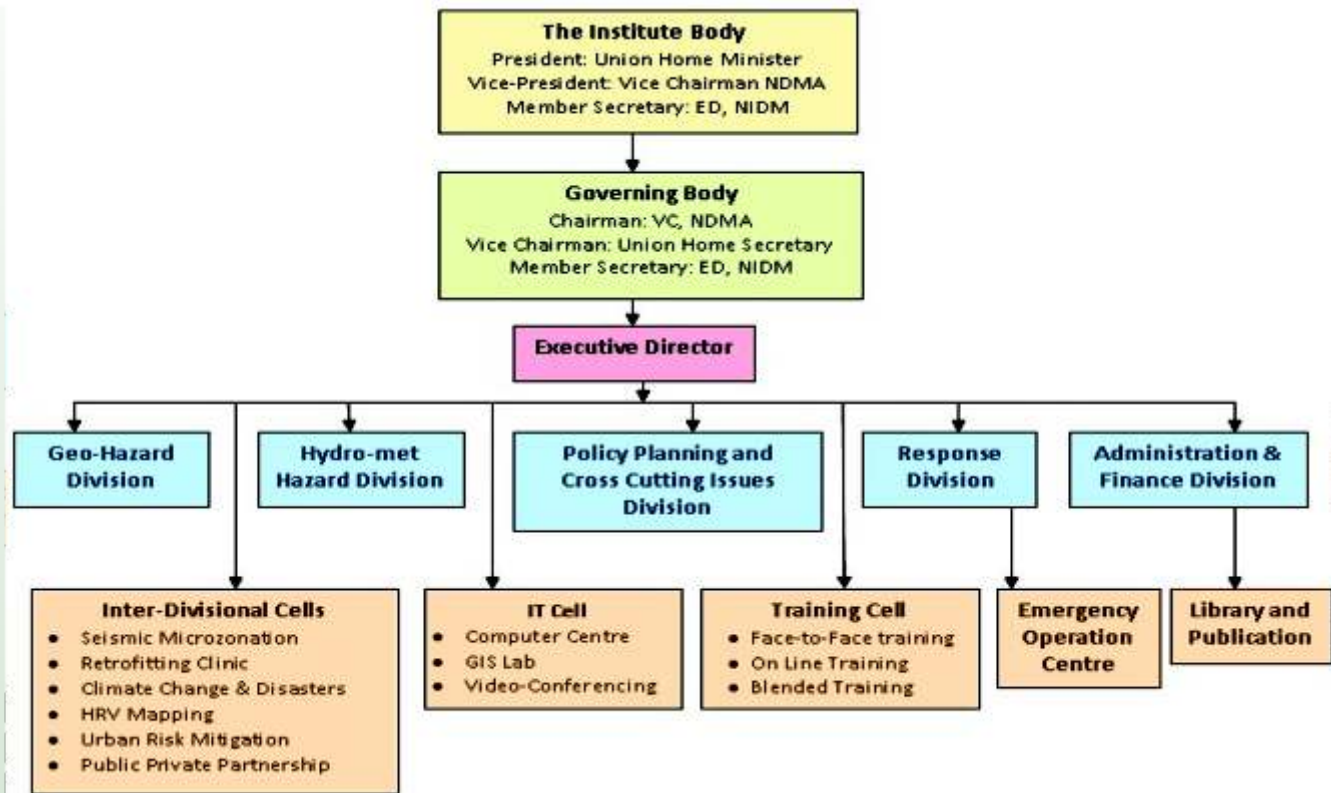


Figure 41: Organogram of NIDM

**Table 11: List of the Governing Body Members of NIDM**

S. No.	Name and Address	Contact Details
1.	Hon'ble Vice Chairman, National Disaster Management Authority, NDMA Bhavan, A 1, Safdarjung Enclave, New Delhi	Tel.: 91-11-26701701 Fax :- 91-11-26701706 PS to Hon'ble VC Tel: 26701721
2.	Union Home Secretary, Ministry of Home Affairs, Room No. 113, North Block, New Delhi-110001	Tel: 23092989 Fax: 23093003
3.	Secretary (Border Management), Ministry of Home Affairs, Room No. 124 North Block, New Delhi -110001	Tel: 23092440 Fax: 23092717
4.	Secretary, Department of Expenditure, Ministry of Finance, North Block, New Delhi -110001	Tel: 23092929, 23092663 Fax: 23092546, 23092652
5.	Secretary, Ministry of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi -110016	Tel: 26590412, 26511439 Fax: 26863847
6.	Secretary, Department of Space, Lok Nayak Bhavan, Khan Market, New Delhi -110003	Tel: 24698313 Fax: 24647413
7.	Secretary, National Disaster Management Authority, NDMA Bhawan, A-1, Safdarjung Enclave, New Delhi	Tel: 26701710 Fax: 26701716
8.	Chairman, Central Water Commission 315, Sewa Bhawan (S), R. K. Puram, New Delhi- 110606	Tel: 26108855 Fax: 26195516
9.	Additional Secretary and Financial Adviser, Ministry of Home Affairs, North Block, New Delhi-110001	Tel: 23094709 Fax: 23093002
10.	Principal Secretary Revenue & Disaster Management Department, Government of Assam Assam Secretariat, Dispur, Guwahati-781006, Assam	Tel: 0361-2237255 Fax: 0361-2237268

S. No.	Name and Address	Contact Details
11.	Director, Indian Institute of Management, Kolkata, Diamond Harbour Road, PO Joka, Kolkata – 700 104, West Bengal	Tel: 033-24678310 Fax: 033-24678307
12.	Director, Indian Institute of Technology, Roorkee, Roorkee – 247 667, Uttarakhand	Tel: 01332-285500 Fax: 01332-273560, 285815
13.	Director, National Geophysical Research Institute, Uppal Road, Hyderabad – 500606	Tel: 040-23434700, 4711 Fax: 040-27171564
14.	Vice-Chancellor, Guru Gobind Singh Indraprastha University Sector - 16C Dwarka Delhi - 110078, India	Tel: 91-11-25302104, 25302105 Fax: +91-11-28035243
15.	Executive Director National Institute of Disaster Management IIPA Campus, 5B - IP Estate, Mahatma Gandhi Road, New Delhi-110002	Tel.: 91-11-23702445 Fax: 91-11-23702446

## 7.2 Meetings of General Body and Governing Body

The first General Body meeting and Governing Body meeting of NIDM was held on 18<sup>th</sup> April, 2007 and 20<sup>th</sup> June, 2007 respectively. Since then six Governing Body meetings were held in NIDM. A list of meetings has been provided in the table below.

Table 12. Governing Body Meetings of NIDM

S.	Governing Body Meeting	Date
1.	First Governing Body Meeting	20 <sup>th</sup> June, 2007
2.	Second Governing Body Meeting	23 <sup>rd</sup> April, 2008
3.	Third Governing Body Meeting	27 <sup>th</sup> Nov, 2008
4.	Fourth Governing Body Meeting	17 <sup>th</sup> Mar, 2009
5.	Fifth Governing Body Meeting	18 <sup>th</sup> Mar, 2010
6.	Sixth Governing Body Meeting	11 <sup>th</sup> July, 2012

## 7.3 Organizational Structure

The Institute has five divisions and a training cell. Executive Director of the Institute who is also the Member Secretary of the Institute and its Governing Body runs the day to day administration of the Institute.

## 7.4 NIDM Faculty

The Institute has experts in various fields of disaster management. Division wise list of faculty members with this designation have been given in table 13.

Table 13: Division wise list of faculty members

S.No	Name	Designation
1	Dr. Satendra	Executive Director
Policy Planning and Cross Cutting Issues Division		
2	Dr. Santosh Kumar	Professor & Head
3	Dr. Anil K. Gupta	Associate Professor & Head of Training Cell
4	Ms. Chandrani Bandyopadhyay	Assistant Professor
5	Dr. Sujata Satapathy	Assistant Professor
6	Dr. Ajinder Walia	Assistant Professor
7	Mr. Shekher Chaturvedi	Research Associate
Geo-hazards Risk Management Division		
8	Dr. Chandan Ghosh	Professor & Head, IT Section
9	Dr. Surya Parkash	Associate Professor
10	Dr. Amir Ali Khan	Assistant Professor
11	Ms. Sreeja S. Nair	Assistant Professor
12	Dr. Ritu Raj	Research Associate
Hydro-meteorological hazards Management Division		
13	Dr. K.J. Anandha Kumar	Associate Professor & Head
14	Mr. Bishwanath Dash	Assistant Professor
15	Dr. Ashutosh Dev Kaushik	Research Associate
Disaster Response Division		
16	Shri Arun Sahdeo	Consultant
17	Lt. Col. P.K. Pathak	Consultant
18	Dr. Sushma Guleria	Research Associate

## 7.5 General Administration

Executive Director of the Institute is responsible for administration of the Institute and exercises powers under the direction and guidance of the Governing Body. Executive Director is assisted by the Joint Director, Accounts Officer and Administrative Officer.

Administration of the Institute mainly includes coordination, conduct of statutory meetings, establishment and personnel management, security, campus support services and welfare of the employees. It facilitates the research, training and consultancy activities in the Institute by providing necessary infrastructure and managerial support for smooth conduct of the programmes.

Table 14: Staff of NIDM

S.No	Name	Designation
1	Shri Ramesh Kumar	Accounts Officer
2	Shri Hemant Kumar	Computer Programmer
3	Shri S.K. Tiwari	Librarian
4	Ms. Ritu Sood	Administrative Assistant
5	Shri S.S. Bisht	Jr. Assistant cum Accountant
6	Shri Avinash Kr Pandey	Accounts Asst.
7	Shri Vishal Awasthi	Stenographer
8	Shri J.N. Jha	Jr. Engineer
9	Ms. Amrita Gupta	Personal Asst.
10	Ms. Santosh Mishra	Data Entry Operator
11	Ms. Gita Sharma	Data Entry Operator
12	Sh. Rajiv Kumar	Data Entry Operator
13	Ms. Megha Kohli	Data Entry Operator
14	Shri Shiv Narayan Sahu	Data Entry Operator
15	Shri Amar Singh	Machine Operator
16	Shri Hemraj	Driver
17	Shri Laxman Singh	Messenger
18	Shri Vijay Kanojia	Messenger
19	Shri Pankaj	Messenger
20	Shri Sunil Kanojia	Messenger
21	Ms. Jaya	Library Attendant

## 7.6 Progressive use of Hindi

NIDM started observing "Hindi Diwas" since 2011-12. During 2012, Hindi Diwas was observed on 14<sup>th</sup> September at NIDM. Poems, slogans and quiz competition were held during the occasion and staffs and faculty members of NIDM and State Disaster Management Centre participated with great zeal and enthusiasm. Besides observing Hindi Diwas, NIDM developed various IEC materials in the form of posters, book marks, pamphlets etc. Training modules are also being translated in Hindi for the purpose of reaching to large number of people.

## 8

## CHAPTER

## FINANCE &amp; ACCOUNTS

The functions of the Finance and Accounts Division of the Institute includes budgeting, accounting, managing of receipts and payments, preparation and compilation of annual accounts, submission of audited annual accounts to the Ministry. In addition the division provides financial advice on various matters relating to administration and in the process of decision making by the Management.

General Fund: The Institute is fully funded by the Government of India, which releases funds with reference to the budget approved by the Governing body of the Institute. A sum of Rs. 12,62,67,002 (twelve crore, sixty two lakhs, sixty seven thousand and two

only) of grants-in aid was sanctioned during the year 2012-13 in favor of NIDM by Ministry of Home Affairs along with unutilized grant balance of Rs. 2,60,20,581 (two crores sixty lakhs, twenty thousand, five hundred and eighty one only). An amount of Rs.13,24,24,408 has been utilized for the purpose of central sector scheme on National Management Program for which it was sanctioned and that the balance of Rs. 1, 98, 63,175 remaining unutilized at the end of the year and will be adjusted towards grants-in-aid payable during the year 2013-14. Balance sheet of 2012-13 has been given in the annex V.

# ANNEXURES

---

## LIST OF ANNEXURES

- Annexure I : List of face-to-face trainings conducted at NIDM
- Annexure II : List of trainings conducted by ATIs/other training institutions in States/UTs for operation of faculty/centres of disaster management from 2007-08 to 2011-12
- Annexure III : List of State Administrative Units
- Annexure IV : List of members of General Body Meeting of the Institute
- Annexure V : Finances and Accounts



## ANNEXURE I : List of face-to-face trainings conducted at NIDM

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
1.	Space Technology application in Disaster Risk Reduction and Emergency Response	NIDM	2-4 April	Sreeja S. Nair	15
2.	Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Survey	NIDM	24-27 April	Prof. Chandan Ghosh	68
3.	IRS: Basic & Intermediate	NIDM	30 Apr-4 May	Arun Sahdeo	14
4.	Regional ToT: Reproductive & Child Health in Humanitarian Action	MCRHRDI Hyd.	30 Apr-3 May	Dr. Sujata Satapathy	30
5.	Flood Disaster Management: Agenda for Action in collaboration with National Water Academy (NWA)	NWA Pune	30 Apr-4 May	Dr.K.J Anandha Kumar	34
6.	ToT on School Safety for Teachers	NIDM	7-11 May	Dr.Ritu Raj	29
7.	Earthquake Risk Evaluation & Management	Himachal Pradesh	7-11 May	Prof. Chandan Ghosh	26
8.	Regional ToT: Reproductive & Child Health in Humanitarian Action	AASC, Assam	8-11 May	Dr. Sujata Satapathy	15
9.	ToT on School Safety for School Management	NIDM	14-18 May	Dr. Ritu Raj	31
10.	ToT on School Safety for Disaster Education Officers	NIDM	21-25 May	Dr. Ajinder Walia	25
11.	Managing Flood Disaster under Changing Climate	UPAAM	21-25 May	Dr. Anil K Gupta Dr. A.D. Kaushik	28
12.	ToT on School Safety for Teachers	NIDM	28 May – 1 Jun	Dr. Ritu Raj	19

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
13.	ToT on School Safety for School Management	NIDM	4-8 Jun	Dr. Ajinder Walia	20
14.	Disaster Preparedness for people with Disabilities	NIDM	11-15 Jun	Dr. Deepak K. Mishra	10
15.	ToT on School Safety for Disaster Education Officers	NIDM	11-15 Jun	Dr. Ritu Raj	21
16.	Validation Programme on Customization of IRS Module	NIDM	11-15 June	Arun Sahdeo	15
17.	Formulation of District Disaster Management Plan: Plan and Process	Chhattisgarh	18-22 Jun	Shekhar Chaturvedi	34
18.	Flood Disaster Management	Gujarat	18-22 Jun	Dr. K.J Anandha Kr Dr. A. D. Kaushik	25
19.	ToT on School Safety for School Management	NIDM	18-22 Jun	Dr. Ritu Raj	24
20.	Legal aspects in DRR with spl. reference to Environmental legislation	Orissa	20-22 Jun	Dr. Anil K. Gupta Sreeja S. Nair	16
21.	Programme on Emergency Operation Centres (EOCs)	NIDM	25-29 Jun	Arun Sahdeo	39
22.	Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Survey	NIDM	27 – 29 Jun	Prof. C. Ghosh	57
23.	Road Accidents & its Safety	NIDM	2-3 Jul	Shekhar Chaturvedi	20
24.	Gender Sensitive Disaster Management	NIDM	16-20 Jul	Dr. Ajinder Walia	27
25.	Seismic Safety Assessment of Buildings in Delhi by Rapid Visual Survey	NIDM	25-27 Jul	Prof. Chandan Ghosh	47
26.	Disaster Health Care Management	BIPARD	6-9 Aug, 2012	Prof. Santosh Kumar	27

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
27.	IRS: Operations Section Chief Course	NIDM	3-5 Sept	Arun Sahdeo	12
28.	Post Disaster Damage & Needs Assessment and Recovery Framework	Jharkhand	3-7 Sept, 2012	Prof. Santosh Kumar	25
29.	Application of Geo Informatics in Disaster Management	Karnataka	3-7 Sept	Sreeja S. Nair	17
30.	Media in Disaster Management	NIDM	5-7 Sept.	C. Bandyopadhyay	22
31.	Disaster Management for NCC, ANOs of Colleges	NIDM	17-21 Sept	P. K. Pathak	14
32.	Needs for Children in Disaster	NIDM	17-21 Sept	Dr. Ajinder Walia	21
33.	Earthquake and Reconstruction	Sikkim	19-22 Sept	Prof. Chandan Ghosh	20
34.	Climate Change and Drought risk Management	NIDM	24-28 Sept	Dr. Anil K. Gupta	22
35.	Cyclone Risk Mitigation and Management	ATI, WB	24-28 Sept	Dr. K. J. Anandha Kumar	21
36.	Formulation of VDMP	HIPA, HP	24-28 Sept	Dr. Ajinder Walia	23
37.	Seismic Safety Assessment of Building in Delhi by RVS	NIDM	26-28 Sept	Prof. C. Ghosh	51
38.	Ecosystem Approach to Disaster Risk Reduction	NIDM	8-12 Oct	Sreeja S. Nair Anil K. Gupta	19
39.	Training of Master Trainers under National School Safety Programme	MATI, Meghalaya	8-11 Oct	Shekher Chaturvedi	42
40.	Seismic Safety Assessment of Buildings in Delhi by RVS	NIDM	17-19 Oct	Prof. Chandan Ghosh	38
41.	Civil Defence and Disaster Management	NIDM	29 Oct-2 Nov	P.K Pathak	14

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
42.	Seismic Safety Assessment of Buildings in Delhi by RVS	NIDM	31 Oct – 2 Nov	Prof. Chandan Ghosh	69
43.	Training Programme on IRS & Simulation exercise – Mangalore	Mangalore, Karnataka	5-9 Nov	P. K. Pathak	37
44.	Landslide, Hazard, Risk Management	Pune, Maharashtra	5-7 Nov	Dr. Surya Prakash	20
45.	Disaster Psycho Social Care	NIDM	5-9 Nov	Dr. Deepak Mishra Dr. Sushma Guleria	15
46.	Urban Risk Mitigation & Management, Nehu, Shillong	Nehu, Shillong	19-22 November	Prof. Chandan Ghosh	24
47.	Forest Fire Risk Mitigation and Management	FRI Dehradun	26-30 Nov	Dr. Anil K. Gupta Dr. A.D. Kaushik	12
48.	Trg. Course on Disaster Management for SDMAs & DDMA's	NIDM	3-7 Dec	C. Bandyopadhyay	48
49.	Disaster Safe Hill Area Development	Uttrakhand	10-14 Dec	Dr. Surya Parkash	15
50.	IRS: Planning Section Chief Course	NIDM	10-14 Dec.	Arun Sahdeo	9
51.	Impact of Extreme Weather Events (Heat and Cold Wave) Year 2013	DDU SIRD Lucknow	20-21 Dec	Shekher Chaturvedi	36
52.	Training Programme on "Stress Management for Disaster Responders"	NIDM	7-11 Jan	Dr. Deepak Mishra	27
53.	Comprehensive Disaster Risk Management for officials of African Countries	Red Fox Hotel Delhi	7-18 Jan	Prof. Santosh Kumar Shekher Chaturvedi	19
54.	Participatory Management of Urban Risks	DMMC, Dehradun	8-11 Jan	C. Bandyopadhyay Dr. A. D. Kaushik	18

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
55.	Building Codes and Design	Raipur, Chattisgarh	14-18 Jan	Prof. Chandan Ghosh	20
56.	Course on IRS	Gangtok, Sikkim	16-20 Jan	Arun Sahdeo	47
57.	Formulation of District Disaster Management Plan: Plan and Process	UPAAM, UP	21-23 Jan	Shekher Chaturvedi	23
58.	Integrated Drought Risk Mitigation Management	SIRD, Jharkhand	22-24 Jan	Dr.K. J. Anandha Kumar	17
59.	Course on IRS	YASHADA, Pune	28 Jan-1 Feb	P. K. Pathak	23
60.	Role of forestry sector in DM	FRI, Dehradun	28 Jan-1 Feb	Dr. Anil K. Gupta Dr. A. D. Kaushik	11
61.	Seismic Micro-Zonation and risk mapping	HIPA, Haryana	4-8 Feb	Prof. Chandan Ghosh	26
62.	Training Programme on Comprehensive Disaster Management course for Teachers	NIDM	18-22 Feb	Dr. Ritu Raj	40
63.	Training Programme on Disaster Management	IP & T, Campbell Bay A&N Island	21 Feb	Chandrani Bandopadyay Shekher Chaturvedi	44
64.	Training Programme on Disaster Management	EOC, Conf. Hall, DC Office, Car Nicobar	18-20 Feb	Chandrani Bandopadyay Shekher Chaturvedi	59
65.	Training Programme on Flood Disaster Management	NIDM	25 Feb- 1 Mar	Dr. K J Anandha Kr Dr. A. D. Kaushik	35
66.	Earthquake Risk Mitigation Management	Mizoram	25 Feb- 1 Mar	Prof. Chandan Ghosh	11
67.	Industrial Disaster: A National Concern- Prevention, Control and Management	MDC-SHE Bhubaneshwar	25-27 Feb	Dr. Anil K. Gupta Sreeja S. Nair	31

Sl.	Name of Course	Venue	Date(s)	Faculty	No. of Participants
68.	Preconference workshop on "Onsite & Off Site Disaster Preparedness for Chemical Emergencies	NIDM	28 Feb	Dr. Anil K. Gupta Sreeja S. Nair	24
69	Urban Risk Mitigation	NIDM	4 - 8, Mar	Chandrani B. Neogi	10
70.	Gender and Disaster Management	NIDM	11-15, Mar	Ajinder Walia	21
71.	Formulation of DDMP	Manipur	11-15, Mar	P. K. Pathak Shekher Chaturvedi	22 (no list)
72.	ToT on Disaster Management	SIRD UP	18-22, Mar	Shekher Chaturvedi	20
73.	TP on Community Based Disaster Risk Management	NIDM	18-22, Mar	Chandrani	17
74.	TP on Cyclone Risk Mitigation and Management	Dr. MCR HRDIAP, Hyderabad	18-22 , Mar	Dr. K. J. Anandha Kumar	13
75.	Disaster Data base Management	Punjab	18-20, Mar	Sreeja S. Nair Dr. Anil K. Gupta	26
76.	Disaster Management and First Aid	IP Power house, Delhi	Mar 25, 2013	P. K. Pathak	18
77.	Disaster Management and First Aid	IP Power house, Delhi	March 26, 2013	P. K. Pathak	22
	Total				2006

**ANNEX II : List of trainings conducted by ATIs/ Other training institutions in States/UTs for operation of Faculty/ Centres of Disaster Management from 2007-08 to 2011-12**

S No	States	ATI	2007-08		2008-09		2009-10		2010-11		2011-12	
			No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant	
1.	Andhra Pradesh	APARD	12	293	14	701	13	282	20	337	14	966
2.	Arunachal Pradesh	ATI, Naharlagun	0	0	1	28	0	0	0	0		
3.	Assam	AASC	0	0	12	329	7	248	5	94	5	100
4.	Assam	Tezpur University	1	27	5	119	3	91	5	123	0	0
5.	Bihar	BIPARD	0	0	0	0	0	0	5	213	13	468
6.	Chhattisgarh	CGAA	4	151	4	172	7	275	5	168	7	291
7.	Delhi	UTCS	0	0	3	59	0	0	3	110	5	114
8.	Gujarat	GIDM	24	655	28	619	26	665	29	724	36	901
9.	Haryana	HIPA	24	748	15	531	21	482	26	636	26	817
10.	Himachal Pradesh	H.I.P.A, Shimla	0	0	3	45	26	916	26	857	28	1497
11.	J & K	IMPA	0	0	9	265	8	202	7	277	13	699
12.	Jharkhand	SKIPA	6	181	10	253	17	397	20	419	31	626
13.	Karnataka	ATI	9	155	27	3255	27	4338	35	1101	56	6856
14.	Kerala	ILDm	62	3970	12	850	30	1393	50	1879	73	3008
15.	Madhya Pradesh	DMI	17	421	39	1963	27	1813	60	5472	43	3918
16.	Maharashtra	YASHADA	13	295	33	636	102	4457	55	1633	44	1635
17.	Manipur	SAT/ DMI	0	0	10	1000	10	251	11	435	6	200
18.	Meghalaya	MATI	17	439	18	334	17	375	13	295	12	263
19.	Mizoram	SATI	35	1086	31	970	28	1114	30	1471	20	490

S No	States	ATI	2007-08		2008-09		2009-10		2010-11		2011-12	
			No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant		No. of Prog./ Participant	
20.	Nagaland	ATI	9	1557	10	218	28	725	19	864	18	646
21.	Odisha	GAA	4	82	5	122	4	103	2	75	7	158
22.	Punjab	MGSIPA	0	0	0	0	0	0	0	0	46	842
23.	Rajasthan	RIPA	0	0	18	703	10	219	21	579	15	353
24.	Sikkim	GBPIHED	8	1776	0	0	12	762	9	720	8	438
25.	Tamil Nadu	AIM	27	685	36	929	35	850	27	542	25	800
26.	Tripura	SIPARD	4	89	7	190	11	327	30	664	24	693
27.	Uttar Pradesh	UPAAM	0	0	70	2100	0	0	32	1162	37	873
28.	Uttarakhand	UAA	26	1303	54	1926	42	1320	36	1008	31	967
29.	West Bengal	ATI	22	402	25	500	25	419	26	465	18	350
		Total									661	28969

## ANNEX III : List of State Administrative Units

S No	State	Name and Address	Telephone/Fax/Email
1.	Andhra Pradesh	Sri K. Chandra Mouli, IAS Commissioner AMR Andhra Pradesh Academy of Rural Development (APARD), Rajendranagar, Hyderabad, 500030 Andhra Pradesh, India <a href="http://apard.gov.in/center_cmed.html">http://apard.gov.in/center_cmed.html</a>	Tel: 040-24015959, 24014027 24015337, 24018656 Fax: +91 40 24017005
2.	Arunachal Pradesh	Smt. Nandini Paliwal, IAS Director General (Trg.) Administrative Training Institute D-Sector, Naharlagum, District Papumpara, Arunachal Pradesh <a href="mailto:director@agni.erist.ac.in">director@agni.erist.ac.in</a>	Tel: 0360-2244383 (O), 2244036 (F) Fax: 0360-2243245
3.	Assam	Ms. Sumitra Das, IAS Director Assam Administrative Staff College Jawahar Nagar, P. O. Khanpara, Guwahati-781022, Assam <a href="http://aasc.nic.in/disaster.htm">http://aasc.nic.in/disaster.htm</a>	Tel: (O) 0361-2361547, 2362442, 23263325 Fax: 0361-2362361
4.	Assam	Prof. M. K. Chaudhuri Vice - Chancellor 3, Tezpur University, Tezpur, NAPAAM, District Sonitpur, Assam-784 028. <a href="http://www.tezu.ernet.in/cdm">http://www.tezu.ernet.in/cdm</a> <a href="mailto:staffcol@gul.satyam.net.in">staffcol@gul.satyam.net.in</a>	Tel:(O) 0361-2361547, 2362442, 23263325 Fax: 0361-2362361
5.	Bihar	Dr. E.L.S.N Bala Prasad, IAS Director General Bihar Institute of Public Administration and Rural Development WALMI Complex, Phulwari Sharif Patna-801505, Bihar <a href="http://bipard.bih.nic.in">http://bipard.bih.nic.in</a>	Tel: 0612-2452585 Fax: 0612-2452586

S No	State	Name and Address	Telephone/Fax/Email
6.	Chattisgarh	Shri Sunil Kumar, IAS Director General Chattisgarh Academy of Administration, Indrawati Khand, Mantralaya Parisar, Raipur dg.cgsaa@gmail.com  Shri M.K. Tyagi, IAS Director, CGAA mk.tyagi@nic.in	Ph: 0771-2221280, 2222844 Fax: 0771-4080295, 4281280 Mobile: 9424200829  Ph: 0771-2221279 Fax: 0771-4080295, 4281280
7.	Delhi	Shri Ashutosh Kumar Spl. Secretary Directorate of Training UT Civil Services, Institutional Area, Vishwas Nagar, Shahadara, Delhi-110032 <a href="http://delhi.gov.in/wps/wcm/connect/DoIT_UTCS/utcs/home">http://delhi.gov.in/wps/wcm/connect/DoIT_UTCS/utcs/home</a>	Tel: (O) 22304439, 2238556 Fax: 22308556 (M) 9818803606
8.	Gujarat	Shri V. Thirupugazh, IAS Executive Director, GIDM & Addl. CEO, GSDMA GIDM, Gujarat State Disaster Management Authority, Govt. of Gujarat, Block No.11, 5th Floor, Sector-11, Udyog Bhawan, Gandhinagar, Gujarat <a href="http://www.gsdma.org/gidm.htm">http://www.gsdma.org/gidm.htm</a>	Tel: 079-23259303, 23259246 Fax: 079-23259275
9.	Haryana	Ms. Rajani Shekheri Sibal, IAS Director General Haryana Institute of Public Administration (HIPA) Complex-76, Sector-18, Gurgaon-122001, Haryana <a href="http://hipa.nic.in/maincdm.htm">http://hipa.nic.in/maincdm.htm</a> rajni@hipa.in	Tel: (O) 0124-2340413, 2340691, 2340462, 2340412, Fax: 95-124-2340413, 2348452

S No	State	Name and Address	Telephone/Fax/Email
10.	Himachal Pradesh	Dr. Ajay Sharma Director, Himachal Pradesh Institute of Public Administration, Fairlawans, Shimla-171012, Himachal Pradesh <a href="http://himachal.nic.in/hipa">http://himachal.nic.in/hipa</a>	Tel: (O) 0177- 2647855, 2740294, 2740225 Fax: 0177-2647172
11.	Jammu & Kashmir	Dr. R. K. Jerath, IAS Director General J&K Institute of Management and Public Administration and Rural Development, (IMPA), 3rd Floor, Vikas Bhawan, Rail Head Complex, Jammu - 180004 <a href="http://jkimpa.nic.in">http://jkimpa.nic.in</a>	Tel: (O) 0194-2472564, 2476916 (Srinagar) Fax: 0194-2472825 (Srinagar) Tel: 0191-2474389, 0191-2473307 Fax: 0191-2479909, 2473778 (Jammu)
12.	Jharkhand	Shri A. K. Pandey Director General Shri Krishna Institute of Public Administration Meurs Road, Post-Ranchi University, Ranchi-834008, Jharkhand <a href="http://skipa.nic.in/disaster.htm">http://skipa.nic.in/disaster.htm</a>	Tel: 0651- 2283804 Fax: 0651-2283806 atirnc@tt.vsnl.net.in
13.	Karnataka	Mrs. Amita Prasad, IAS Director General, Administrative Training Institute P. A. No. 2, Lalitha Mahal Road, Mysore-570011, Karnataka <a href="http://www.atimysore.gov.in">http://www.atimysore.gov.in</a>	Tel: (O) 0821-2520906, 0821-2520904 Fax: 2523899, 2520906
14.	Kerala	Shri Keshav Nambiar, IAS Director Institute of Land & Disaster Management PTP Nagar, Near Nirmithi Kendra, Trivandrum-695038, Kerala <a href="http://ildm.kerala.gov.in">http://ildm.kerala.gov.in</a> ilmdirector@satyam.net.in	Tel: 0471-2362885 (director) (O), 2365559 Fax: 0471-2365559

S No	State	Name and Address	Telephone/Fax/Email
15.	Madhya Pradesh	Shri Manohar Dubey, IAS Executive Director Disaster Management Institute Paryavaran Prisar, E-5, Arera Colony, PB No. 563 Bhopal-462016, MP (India) <a href="http://www.dmibhopal.nic.in">http://www.dmibhopal.nic.in</a>	Tel: (O) 0755-2461538, 2466715 2464239 Fax: 0755-2464244, 2464239
16.	Maharashtra	Dr. Sanjay Chahande, IAS Director General Yashwant Chavan Academy of Development Administration, Raj Bhavan Complex, Baner Road, Ganeshkhind, Pune-410017, Maharashtra <a href="http://www.yashada.org">http://www.yashada.org</a> cdm.yashada@gmail.com, yashada@vsnl.com, ramaniv@gmail.com	Ph. 020-25608209/296 Fax. 020-25608269/100
17.	Manipur	Dr.Suhel Akhtar, IAS Commissioner, Relief & Disaster Management and Director, DMI Govt. of Manipur, Secretariat, Annexe Building, Room No.115, North Block, Imphal-795001 drsuhelakhtar@gmail.com	Tel: 0385-2440736 Fax: 0385-2450157 Mob: 09402414682
18.	Meghalaya	Mrs. R. V. Suchiang, IAS Director Meghalaya Administrative Training Institute (MATI), IGP Point, Behind Addl. Secretariat Building, Shillong-793001, Meghalaya <a href="http://www.mati.gov.in">http://www.mati.gov.in</a> rvsddd@gmail.com	Tel: (O) 0364-2210132, 2223578, 2224670 Fax: 0364-2226039, 2225978 (CS),

S No	State	Name and Address	Telephone/Fax/Email
19.	Mizoram	Shri R. Lalvena, IAS Director Administrative Training Institute New Capital Complex, Khatla, Aizwal, Mizoram-796 001 <a href="http://mizoram.nic.in/ATI/About.htm">http://mizoram.nic.in/ATI/About.htm</a>	Tel: (O) 0389-2335830 Fax: 0389-2335831
20.	Nagaland	Shri V.Shashank Shekhar, IAS Director Administrative Training Institute, P. Box-162, Kimho, Kohima-797003, Nagaland <a href="http://atingl.nic.in">http://atingl.nic.in</a>	Tel: (O) 0370-2280063/66 Fax: 0370-2280067
21.	Orissa	Shri K. S. Ganesan Director General-Trg Coordination, Gopabandhu Academy of Administration, Chandrashekharpur, Bhubaneswar-751023, Orissa <a href="http://www.gopabandhuacademy.gov.in">http://www.gopabandhuacademy.gov.in</a> Orissa_ati@yahoo.com	Tel: (O) 0674-2300743, 2300981 Fax: 0674-2301530
22.	Punjab	Shri B.K. Srivastava, IAS Director General Mahatama Gandhi State Institute of Public Administration, Punjab, Sector 26, Near Sant Kabir School, Chandigarh-160019, Punjab <a href="http://www.mgsipap.org">http://www.mgsipap.org</a>	Tele-Fax (O) 0172-2792114 Fax: 2793588-91
23.	Rajasthan	Shri Chandra Mohan Meena Director General HCM Rajasthan State Institute of Public Administration, Jawaharlal Nehru Marg, Jaipur-302017, Rajasthan <a href="http://www.hcmripa.gov.in/dmgmt.html">http://www.hcmripa.gov.in/dmgmt.html</a> hcmripa@sanchar.net.in	Tel: (O) 2706556, 2704950-56 Fax: 0141-2705420, 2702542 Tel: Udaipur - 0294-2431355

S No	State	Name and Address	Telephone/Fax/Email
24.	Sikkim	Sikkim Dr. L.M.S. Palni, IAS Director G.B. Pant Institute of Himalayan Environment and Development, Sikkim Unit, Gangtok HQ at: Kosi Katarmal, Almora-263643 Uttarakhand (Sikkim Unit) <a href="http://gbpihed.gov.in/sikkim_unit.htm">http://gbpihed.gov.in/sikkim_unit.htm</a>	Tel: 05962-241015 Fax: 05962-241150
25.	Tamil Nadu	Thiru D. Jothi Jagarajan, IAS Director AIM and DG Training (Ex Officio) Administrative Training Institute, 163/1, P S Kumarasamy, Raja Salai, Greenways Road, Chennai- 600028, Tamil Nadu <a href="http://www.annainstitute.org">http://www.annainstitute.org</a> <a href="mailto:diraim@tn.gov.in">diraim@tn.gov.in</a>	Tel: (O) 044-24938247, 24937062, 24937170 Fax: 044-24937062
26.	Tripura	Shri G.K. Rao, IAS Director General State Institute of Public Administration and Rural Development (SIPARD), Camper Bazar, A. D. Nagar, P. O. SD Mission, Camper Bazar, Agartalla, Tripura West-799003 <a href="http://www.sipard.nic.in">http://www.sipard.nic.in</a>	Tel: (O) 0381- 2374048, 2376036 Fax: (0381) 2230613 <a href="mailto:sipard@rediffmail.com">sipard@rediffmail.com</a>
27.	Uttar Pradesh	Mr. Jagan Mathews, IAS Director General Uttar Pradesh Academy of Administration and Management Sector-'D', ALIGANJ, Lucknow-226024, Uttar Pradesh <a href="http://www.upacademy.org/disatermgmt.htm">http://www.upacademy.org/disatermgmt.htm</a>	Tel: 0522-2336292, 2335158 2329082, 2379739 (DG (O)) Fax: 0522-2386747 <a href="mailto:dg@upacademy.org">dg@upacademy.org</a>

S No	State	Name and Address	Telephone/Fax/Email
28.	Uttarakhand	Shri Ajay Kumar Joshi, IAS Director General Uttarakhand Academy of Administration Ardwel Camp, Mallital Nainital-263001, Uttarakhand <a href="http://www.uaoa.in/wp.aspx?p=21">http://www.uaoa.in/wp.aspx?p=21</a>	Tel: (O) 05942-239114, 236149 Fax: 05942-239114, 237642
29.	Uttarakhand	Dr. Piyoosh Rautela Executive Director Disaster Mitigation & Management Centre, Department of Disaster Management, Uttarakhand Secretariat Rajpur Road, Dehradun-248001 Uttarakhand <a href="http://dmmc.uk.gov.in">http://dmmc.uk.gov.in</a>	Tel: (O) 0135-2710232, 2710233 Fax: 0135-2710199, 2710334, 2710335, 2710233
30	West Bengal	Dr. M.N. Roy, IAS Director Administrative Training Institute, Government of West Bengal FC Block, Sector III, Salt Lake City, Kolkata-700 106 <a href="http://atiwb.gov.in/NDM.htm">http://atiwb.gov.in/NDM.htm</a> <a href="mailto:atiwb@giasci01.vsnl.net.in">atiwb@giasci01.vsnl.net.in</a>	Tel: (O) 033-23373960, 23596721, 22477727 Fax: 033-23373960

## ANNEX IV : List of Members of General Body Meeting of the Institute

S. No.	Members	
1.	Hon'ble Union Home Minister, Ministry of Home Affairs, North Block, New Delhi-110 011	President
2.	Hon'ble Vice-Chairperson, National Disaster Management Authority, NDMA Bhawan, Trauma Centre, AIIMS, A-1, Safdarjung Enclave, New Delhi	Vice President
3.	Hon'ble Member, National Disaster Management Authority, NDMA Bhawan, Trauma Centre, AIIMS, A-1, Safdarjung Enclave, New Delhi	Member
4.	Union Home Secretary, North Block, New Delhi	Member
5.	Secretary, Ministry of Finance, Department of Expenditure, North Block, New Delhi	Member
6.	Secretary, Ministry of Agriculture, Krishi Bhawan, New Delhi	Member
7.	Secretary, Ministry of External Affairs, South Block, New Delhi	Member
8.	Secretary, Ministry of Health & family Welfare, Nirman Bhavan, New Delhi	Member
9.	Secretary, Ministry of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi	Member
10.	Secretary, Department of Atomic Energy, South Block, New Delhi	Member
11.	Secretary, Department of Space, Lok Nayak Bhavan, New Delhi	Member
12.	Secretary, Ministry of Earth Sciences, Mahasagar Bhavan, Block No. 12, CGO Complex, Lodhi Road, New Delhi -110003	Member
13.	Secretary (Border Management), Ministry of Home Affairs, North Block, New Delhi	Member
14.	Additional Secretary and Financial Adviser, Ministry of Home Affairs, North Block, New Delhi	Member
15.	Secretary/Additional Secretary, National Disaster Management Authority, NDMA Bhawan, Trauma Centre, AIIMS, A-1, Safdarjung Enclave, New Delhi	Member
16.	Director General, Civil Defence & National Disaster Response Force, East Block-7, Level-7, R.K. Puram, New Delhi-66	Member
17.	Deputy Chief of Integrated Defence Staff, Doctrine Organisation & Training (DOT), IDS, HQ Integrated Defence Staff, 23 South Hutments, Kashmir House, Rajaji Marg, New Delhi - 110 001	Member

S. No.	Members	
18.	Secretary (Disaster Management), Government of Gujarat, Revenue Department, Block - 11, 3 Floor, New Sachivalaya, Gandhinagar - 382010.	Member
19.	Secretary (Disaster Management), Department of Disaster Management, Government of Bihar, Old Secretariat, Patna - 800 015.	Member
20.	Vice-Chancellor, Guru Gobind Singh Indraprastha University, Kashmiri Gate, Delhi-110 006.	Member
21.	Director, Lal Bahadur Shastri National Academy of Administration, Mussoorie - 248 179.	Member
22.	Director, Sardar Vallabhai Patel National Police Academy, Sivrampally, Hyderabad - 500 052.	Member
23.	Director General, India Meteorological Department, Mausam Bhavan, Lodhi Road, New Delhi	Member
24.	Director, Indian Institute of Management, Kolkata, Joka, D.H. Road, Kolkata-700 104	Member
25.	Director, Indian Institute of Technology, Roorkee, Uttrakhand.	Member
26.	Chairman, Central Water Commission, Sewa Bhavan, R.K. Puram, New Delhi	Member
27.	Director, Indian Institute of Public Administration, I.P. Estate, New Delhi	Member
28.	Director General, Indian Council of Agriculture Research, Krishi Bhavan, New Delhi	Member
29.	Director General, Andhra Pradesh Academy of Rural Development, Rajendranagar, Hyderabad - 500 030.	Member
30.	Director General, Indian Council of Medical Research, V. Ramalingaswami Bhavan Ansari Nagar, New Delhi - 110 029.	Member
31.	Chairman, Uttrakhand Administrative Reforms Commission, 159 Shradha Kunj, Vasant Vihar, Chakrata Road, Dehradun	Member
32.	National Seismic Advisor, Ministry of Home Affairs, I.P. Estate, New Delhi	Member
33.	CMD, General Insurance Corporation, Suraksha, J Tata Road, Churchgate, Mumbai -400 020.	Member
34.	CMD, Allahabad Bank, Head Office, 2, N. S. ROAD, Kolkata- 700 001	Member
35.	President, Federation of Indian Chamber of Commerce and Industry (FICCI), Federation House, New Delhi	Member

S. No.	Members	
36.	President, Confederation of Indian Industry (CII), Core 4-A, 4 <sup>th</sup> Floor, India Habitat Centre, Lodhi Estate, New Delhi - 110 003.	Member
37.	Shri Mihir R. Bhatt, Director, All India Disaster Mitigation Institute, 411, Sakar Five, Near Natraj Cinema, Ashram Road, Ahmedabad -9.	Member
38.	Shri S.P. Agarwal, Secretary General, Indian Red Cross Society, 1 Red Cross Road, New Delhi	Member
39.	Director, National Geophysical Research Institute, Uppal Road, Hyderabad - 500 007	Member
40.	Director General, Health Services, Ministry of Health & Family Welfare, Nirman Bhavan, New Delhi	Member
41.	Professor, National Institute of Disaster Management, IIPA Campus, IP Estate, Mahatma Gandhi Road, New Delhi-110002	Member
42.	Executive Director, National Institute of Disaster Management, IIPA Campus, IP Estate, Mahatma Gandhi Road, New Delhi-110002	Member Secretary

## ANNEX V : Finances and Accounts



## V.K. Sehgal & Associates

Chartered Accountants

To the members of

The governing Body of National Institute of Disaster Management.

We have audited the accompanying financial statements of National Institute of Disaster Management which comprise the Balance Sheet as at 31st March, 2013, the Income & Expenditure Account and the Receipt and Payment Account for the Year then ended and a summary of significant accounting policies and other additional information.

The Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the entity in accordance with the Accounting Standards issued by the Institute of Chartered Accountant of India. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



201, Harsh Bhawan, 64-65, Nehru Place, New Delhi-110019  
 Telefax : 26425974, 26425980, e-mail : vksehgal123@vsnl.net website : www.vksa.in

The management of the institute has not complied with accounting policies adopted for preparation of financial Statements. The management has opted accrual basis for accounting of financial statements but has not accounted the salary for the month of March amounting to Rs. 18,32,924/-. Also expenses of National Cyclone Risk Mitigation Project have been booked on cash basis which has resulted in reduction of booking of expenses incurred, contravention of TDS provisions and disagreement with Accounting Standard - 1, Disclosures of Accounting Policies.

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information in the manner so required and give a true and fair view except for above qualification in conformity with the accounting principles generally accepted in India:

- (i) In the case of the Balance Sheet, of the state of affairs of the company as at 31st March, 2013;
- (ii) In the case of the Statement of income & Expenditure Account, of the expenditure excess over income of the company for the year ended on that date.
- (iii) In the case of the receipt and Payment Account, of the receipts and payments of the institute for the year ended on that date.

We report that:

- a. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
- b. In our opinion proper books of account as required by law have been kept by the Institute so far as appears from our examination of those books;
- c. The Balance Sheet and Statement of Profit & Loss dealt with by this Report are in agreement with the books of account;

for V.K. Sehgal & Associates  
Firm's Reg. No. 011519N  
Chartered Accountants



*Anuj Maheshwari*

Anuj Maheshwari  
Partner  
M. No. 096530

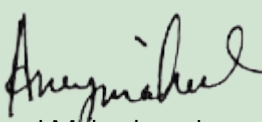

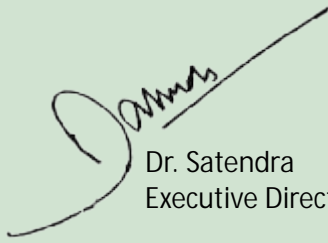
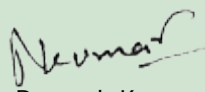
Place : New Delhi

Dated : 03<sup>rd</sup> October, 2013

NATIONAL INSTITUTE OF DISASTER MANAGEMENT  
(A Statutory Body under Ministry of Home Affairs)

BALANCE SHEET AS ON 31ST MARCH, 2013

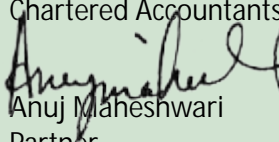
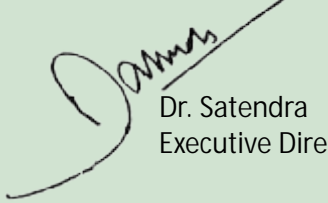

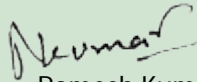
(Amount in Rs.)

PARTICULARS	SCHEDULE	31.03.2013 AMOUNT	31.03.2012 AMOUNT
CORPUS/CAPITAL FUND AND LIABILITIES			
RESERVES AND SURPLUS	'1'	102,991,524.64	49,645,316.14
CURRENT LIABILITIES AND PROVISIONS	'2'	26,751,038.00	30,184,627.00
Total		129,742,562.64	79,829,943.14
ASSETS			
FIXED ASSETS	'3'	79,786,122.00	22,627,985.00
INVESTMENTS	'4'	53,746,181.00	55,590,550.78
CURRENT ASSETS, LOANS AND ADVANCES	'5'	(3,789,740.36)	1,611,407.36
Total		129,742,562.64	79,829,943.14
SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS	12		
Checked and found correct from the Books of Accounts produced before us			
For, V.K.Sehgal & Associates Chartered Accountants		For, National Institute of Disaster Management	
			
Anuj Maheshwari Partner M. No. 096530		Dr. Satendra Executive Director	Ramesh Kumar Account Officer
Place: New Delhi Date: 03rd October, 2013			

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**  
(Ministry of Home Affairs)

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013**

(Amount in Rs.)

PARTICULARS	SCHEDULE	31.03.2013 AMOUNT	31.03.2012 AMOUNT
<b>INCOME/GRANT FROM (MHA)</b>			
Grant in Aid Received from MHA	6	70,850,000.00	122,700,000.00
<b>Total A</b>		70,850,000.00	122,700,000.00
<b>EXPENDITURE (MHA-Grant)</b>			
Establishment Expenses	7	26,793,246.00	27,519,362.00
Other Administrative Expenses	8	35,512,820.00	26,331,069.00
Expenditure on Training Programmes/Workshops	9	12,960,205.00	10,662,111.00
Implementation of Central Sector Scheme	10	-	48,557,412.00
Loss of Book		-	19,613.00
<b>Total B</b>		75,266,271.00	113,089,567.00
<b>BALANCE BEING THE SURPLUS/DEFICIT FROM MHA FUND (A-B)</b>		(4,416,271.00)	9,610,433.00
<b>INCOME/ EXPENDITURE FROM OTHER SOURCES</b>			
Interest Earned (CPF)	11	2,451,172.00	310,742.36
Income/Expenditure from Other sources		-	22,500.00
<b>Total C</b>		2,451,172.00	333,242.36
<b>BALANCE BEING THE SURPLUS/(DEFICIT) CARRIED TO BALANCE SHEET (A - B+C)</b>		(1,965,099.00)	9,943,675.36
<b>SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS</b>		12	
As per our report on the Balance Sheet date			
For, V.K.Sehgal & Associates Chartered Accountants		For, National Institute of Disaster Management	
 Anuj Maheshwari Partner M. No. 096530 Place: New Delhi Date: 03rd October, 2013		 Dr. Satendra Executive Director	
		 Ramesh Kumar Account Officer	

NATIONAL INSTITUTE OF DISASTER MANAGEMENT  
RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013

(Amount in Rs.)

PARTICULAR	31.03.2013		31.03.2012	
RECEIPTS				
OPENING BALANCE				
Cash in hand	-	-	-	-
Bank Balances (Current Account)	(533,432.51)		691,075.13	
Bank Balances (CPF Fixed Deposits)	13,090,550.78		10,779,005.14	
Bank Balances (Others Fixed Deposits)	42,500,000.00	55,057,118.27	-	11,470,080.27
GRANT RECEIVED FROM				
MHA for Scheme on NDM Programme (Revenue)	70,850,000.00		146,700,000.00	
MHA for Scheme on NDM Programme (Capital)	55,417,002.00			
Unutilized fund received in NPCEBERM/ NPCBAERM Project	60,958.50		-	
Receipt from NDMA for NDRR Day	900,000.00		-	
Receipt from NDMA for NSPP Prog	1,000,000.00		-	
Unutilized fund received from ATI's	3,558,634.00		-	
Receipt from NPCDRR programme	48,000.00	131,834,594.50	21,500.00	146,721,500.00
Receipt from employee payable to PAO MHA	56,050.00		-	
Conveyance advance interest received	-		4,800.00	
Bank Interest	804,189.00		732,398.00	
Interest on FD capitalised with CPF	2,492,307.22		-	
Fee from Online Web Course	9,183.00		1,000.00	
C. Provident Fund	1,445,815.00		1,413,179.00	
Security Deposit	94,980.00	4,902,524.22	46,500.00	2,197,877.00
Electricity/Water bill received from SAARC/IHD	1,276,593.00		195,261.00	
Misc. Receipt	109.00		-	
Loan & Advances (Net)	-	1,276,702.00	9,199.00	204,460.00
TOTAL		193,070,938.99		160,593,917.27

PARTICULAR	31.03.2013		31.03.2012	
<b>PAYMENTS</b>				
<b>CAPITAL EXPENDITURE</b>				
Machinery and Equipment	579,628.00		201,001.00	
Library	307,495.00		137,515.00	
Furniture & Fixture	364,856.00		486,612.00	
Land in Rohini Sec 29	55,518,126.00		-	
Infrastructure	390,211.00	57,160,316.00	39,847.00	864,975.00
<b>REVENUE EXPENDITURE</b>				
Training Programme/workshops	12,213,710.00		10,516,665.00	
Grant-in-aid released to ATI's	-		48,557,412.00	
Trg Programe for NDMA Fund	2,628,648.00	14,842,358.00	-	59,074,077.00
Loan & Advance (Net)	118,511.00	118,511.00		
<b>Establishment Expenses</b>				
Salary and Allowances	23,366,353.00		21,906,156.00	
Leave Travel Concession/LTA	986,057.00		387,850.00	
Bonus	86,350.00		89,902.00	
LSPC	117,190.00		20,799.00	
Medical	274,383.00		143,200.00	
Tution Fees	447,973.00		468,753.00	
Adhoc allowance	-	25,278,306.00	-	23,016,660.00
Withdrawals/Advances from Provident Fund	376,993.00		110,000.00	
Security Deposit	20,000.00		36,500.00	
Expense payable	11,099,518.00		5,968,996.00	
Pre-paid expenses	-	11,496,511.00	-	6,115,496.00
<b>Other Administrative Expenses</b>				
Repair and Maintenance	1,506,589.00		1,722,757.00	
Postage	194,747.00		141,135.00	
Printing and Stationery	749,844.00		813,046.00	
Electricity & Water charges	2,609,037.00		1,746,542.00	
Rent, Rates and Taxes	12,939,845.00		8,059,613.00	
Miscellaneous Expenses	628,251.00		1,229,160.00	
News papers and Periodicals	70,245.00		78,661.00	
Telephone Expenses	532,901.00		612,651.00	


PARTICULAR	31.03.2013		31.03.2012	
Advertisement Expenses	13,463,098.00		-	
Domestic Travel	1,148,986.00		994,616.00	
Foreign Travel	362,813.00		566,082.00	
Professional charges	45,326.00		26,864.00	
Publication	1,063,781.00		468,232.00	
Bank Charges	24,811.00		1,359.00	
Research & Development	697,656.00			
Online Programme Expense	-	36,037,930.00	4,873.00	16,465,591.00
Expenditure on Training Programme/Workshop				
South Africa Prog. Expenses	290,000.00	290,000.00	-	-
<b>CLOSING BALANCE</b>				
Cash in hand			-	
Bank Balances (CPF.Fixed Deposits)	20,440,381.00		13,090,550.78	
Bank Balances (Other Fixed Deposits)	33,305,800.00		42,500,000.00	
Bank Balances (Current Account)	(5,899,174.01)	47,847,006.99	(533,432.51)	55,057,118.27
<b>TOTAL</b>	<b>193,070,938.99</b>		<b>160,593,917.27</b>	

As per our report on the Balance Sheet date

For, V.K.Sehgal & Associates  
Chartered Accountants

For, National Institute of Disaster Management

  
Anuj Maheshwari  
Partner  
M. No. 096530



  
Dr. Satendra  
Executive Director

  
Ramesh Kumar  
Account Officer

Place: New Delhi  
Date: 03rd October, 2013

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**

(Amount in Rs.)

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
SCHEDULE : '1'	31.03.2013	31.03.2012
Excess of Income over Expenditure		
Opening Balance	49,645,316.14	39,701,640.78
ADD: Capital Grant Received From MHA for Purchase of land	55,417,002.00	
Less:- Previous years rectification	(105,694.50)	-
ADD: Excess of Income (Expenditure) Over Expenditure (Income) Transferred from Income and Expenditure Account	(1,965,099.00)	9,943,675.36
Total	102,991,524.64	49,645,316.14
SCHEDULE : '2'	31.03.2013	31.03.2012
Staff Contributory Provident Fund		
Opening Balance	16,343,348.00	12,697,386.00
ADD : - Employer Contribution	1,325,015.00	1,274,999.00
- Employee Subscription	1,492,383.00	1,413,179.00
- Interest	1,440,025.00	1,067,784.00
	20,600,771.00	16,453,348.00
LESS : Withdrawals/Advances	376,993.00	110,000.00
	20,223,778.00	16,343,348.00
Earnest Money Deposit	161,480.00	86,500.00
Amount payable towards CGHS, CGEIS, Licence Fee, etc.	189,594.00	133,544.00
Payable to PAO, MHA	-	732,398.00
Expenses Payable	1,786,010.00	2,684,544.00
Rent Payable	-	10,204,293.00
Public Ledger Account (PLA) Misc. Receipt A/c	4,390,176.00	
Total	26,751,038.00	30,184,627.00
SCHEDULE : '4'	31.03.2013	31.03.2012
Fixed deposits with UCO. Bank (Staff Contributory Provident Fund)	20,440,381.00	13,090,550.78
Fixed Deposits	33,305,800.00	42,500,000.00
Total	53,746,181.00	55,590,550.78

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
SCHEDULE : '5'	31.03.2013	31.03.2012
A. CURRENT ASSETS		
Cash in hand	-	-
Bank Balances with : UCO Bank Account No. 1820020000924924	(5,899,174.01)	(533,432.51)
B. LOANS, ADVANCES AND OTHER ASSETS		
Staff Advance	718.00	1,648.00
Sundry Debtor	357,205.00	705,283.00
Security Deposits	15,000.00	15,000.00
Tax Deducted at source recoverable	253,673.65	253,673.65
Grant Receivable (MHA)	-	-
Interest accrued on fixed deposit(CPF)	676,085.00	717,220.22
PLA (Misc. Receipts) a/c	-	366,884.00
Prepaid Expenses	125,000.00	-
Advance for Contingent Expenses	2,336.00	5,391.00
Conveyance Advance	41,334.00	46,482.00
Festival Advance	27,498.00	27,498.00
LTC Advance	-	5,760.00
Receivable from NDMA- NSSP Programme	610,584.00	-
Total	(3,789,740.36)	1,611,407.36

## NATIONAL INSTITUTE OF DISASTER MANAGEMENT

## SCHEDULE : '3' FIXED ASSETS

(Amount in Rs.)

S.No.	Particulars	Cost on 01.04.2012	Additions during the year	Sale, Discard/ Deletions	As on 31.03.2013	As on 31.03.2012
1	Furniture and Fixtures	4,019,659.00	364,856.00	-	4,384,515.00	4,019,659.00
2	Infrastructure	2,208,148.00	390,211.00	-	2,598,359.00	2,208,148.00
3	Machinery and Equipment	11,396,771.00	579,628.00	-	11,976,399.00	11,396,771.00
4	Library	2,842,097.00	307,495.00	2,179.00	3,147,413.00	2,842,097.00
5	GIS LAB	2,161,310.00	-	-	2,161,310.00	2,161,310.00
6	Land At Rohini Sec 29	-	55,518,126.00	-	55,518,126.00	-
	TOTAL	22,627,985.00	57,160,316.00	2,179.00	79,786,122.00	22,627,985.00

## NATIONAL INSTITUTE OF DISASTER MANAGEMENT

(Amount in Rs.)

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
<b>SCHEDULE : '6' GRANTS RECEIVED FROM MHA (DM-Division)</b>	31.03.2013	31.03.2012
Grant received from Ministry of Home Affairs under the Central Sector Scheme on National Disaster Management programme	126,267,002.00	122,700,000.00
Less: Capital Grant received for Purchase of land	55,417,002.00	
<b>TOTAL</b>	<b>70,850,000.00</b>	<b>122,700,000.00</b>
<b>SCHEDULE : '7' ESTABLISHMENT EXPENSES (MHA-Grant)</b>	31.03.2013	31.03.2012
Salary and Allowances	21,659,682.00	23,747,663.00
Leave Travel Concession/LTA	1,001,237.00	394,163.00
Bonus	86,350.00	89,902.00
Contribution to Provident Fund	1,325,015.00	1,274,999.00
Interest Accrued on Balance in Staff provident Fund	1,440,025.00	1,067,784.00
Medical	274,383.00	143,200.00
Tuition Fees	685,092.00	468,753.00
LSPC	321,462.00	332,898.00
Adhoc allowance	-	-
<b>TOTAL</b>	<b>26,793,246.00</b>	<b>27,519,362.00</b>
<b>SCHEDULE : '8' OTHER ADMINISTRATIVE EXPENSES (MHA-Grant)</b>	31.03.2013	31.03.2012
Repair and Maintenance	1,766,638.00	1,726,811.00
Postage	446,878.00	159,906.00
Printing and Stationery	768,515.00	813,046.00
Electricity & water charges	1,354,871.00	1,219,162.00
Miscellaneous Expenses	646,975.00	1,259,119.00
News papers and Periodicals	82,643.00	84,885.00
Telephone Expenses	562,323.00	630,613.00
Advertisement & Publicity	13,468,098.00	-
Online programme Exp	-	4,873.00
Domestic Travel	1,253,400.00	1,098,211.00
Foreign Travel	362,813.00	566,082.00
Professional charges	51,326.00	34,864.00
Rent, Rate & taxes	12,939,845.00	18,263,906.00
Bank Charges	35,058.00	1,359.00

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
Publication	1,063,781.00	468,232.00
Research & Development	709,656.00	-
TOTAL	35,512,820.00	26,331,069.00
SCHEDULE : '9' EXPENDITURE ON TRAINING PROGRAMME (MHA-Grant)	31.03.2013	31.03.2012
Training Programmes/Workshop Expenses	12,960,205.00	10,662,111.00
TOTAL	12,960,205.00	10,662,111.00
SCHEDULE : '10' IMPLEMENTATION OF CENTRAL SECTOR SCHEME	31.03.2013	31.03.2012
- Grants in Aid released to ATI's	-	48,557,412.00
TOTAL	-	48,557,412.00
SCHEDULE : '11' INTEREST EARNED	31.03.2013	31.03.2012
Interest on Fixed Deposit (CPF)	2,451,172.00	305,942.36
Conveyance interest	-	4,800.00
Fee from NPCDRR Programme	-	21,500.00
Fee from online course	-	1,000.00
TOTAL	2,451,172.00	333,242.36

NATIONAL INSTITUTE OF DISASTER MANAGEMENT  
FOR THE FINANCIAL YEAR 2012-13

SCHEDULE : 12

SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS

1. Significant Accounting Policies

- (a) The financial Statements are prepared on the basis of historical cost convention on accrual basis and are in accordance with generally accepted accounting practices. However during the financial year 2012-13, salary for the month of march Rs. 18,32,924/- has not been booked which result in contravention of accrual policy.
- (b) Fixed Assets are stated at cost of acquisition / installation and depreciation is not provided on the assets.
- (c) Transactions denominated in foreign currency are accounted at the exchange rate prevailing on the date of the transaction.
- (d) Accounting policies not specifically mentioned are otherwise in consonance with generally accepted accounting practices.

2. Contingent Liabilities

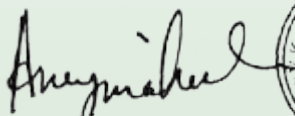
Claims against the institute not acknowledge as debt - NIL

3. In the opinion of the management, the value of realization of current assets, loans and advances in the ordinary course of business would not be less than the amount at which they are stated in the Balance Sheet. Further provisions for all known liabilities have been made in the accounts.

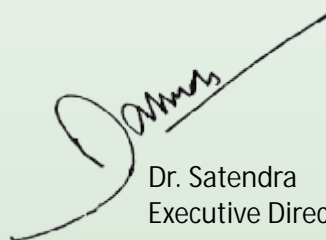
4. As per directions of Ministry of Home Affairs (DM Division) vide Letter No. 45-5/2008-NDm-IV/II dated 23rd March, 2010 a separate Public Ledger Account (PLA) has been maintained and net savings generated from the projects including the interest earned from the deposits has been credited to the Consolidated Fund of India. Financial Statement for PLA for the financial year 2012-13 has been prepared separately.

For, V.K.Sehgal & Associates  
Chartered Accountants  
Firm's Reg. No. 011519N

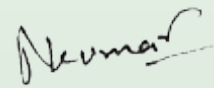
For, National Institute of Disaster Management



Anuj Maheshwari  
Partner  
M. No. 096530



Dr. Satendra  
Executive Director



Ramesh Kumar  
Account Officer

Place: New Delhi  
Date: 03rd October, 2013

NATIONAL INSTITUTE OF DISASTER MANAGEMENT  
(Ministry of Home Affairs)

PLA BALANCE SHEET AS ON 31ST MARCH, 2013

(Amount in Rs.)

PARTICULARS	SCHEDULE	31.03.2013 AMOUNT	31.03.2012 AMOUNT
<u>CORPUS/CAPITAL FUND AND LIABILITIES</u>			
CAPITAL AND RESERVE & SURPLUS	'1'	731,560.00	731,560.00
EARMARKED FUNDS	'2'	6,076,057.14	5,783,909.00
CURRENT LIABILITIES AND PROVISIONS	'3'	4,985,124.00	2,341,106.00
TOTAL		11,792,741.14	8,856,575.00
<u>ASSETS</u>			
CURRENT ASSETS, LOANS AND ADVANCES	'4'	11,792,741.14	8,856,575.00
TOTAL		11,792,741.14	8,856,575.00

SIGNIFICANT ACCOUNTING POLICIES AND  
NOTES TO THE ACCOUNTS

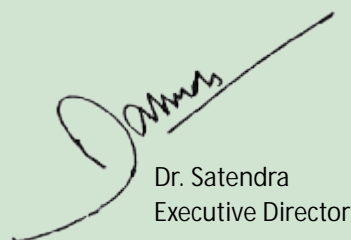
In terms of Our Report on the even date attached.  
Checked and found correct from the Books  
of Accounts produced before us

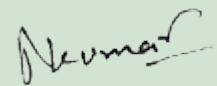
For, V.K.Sehgal & Associates  
Chartered Accountants  
Firm's Reg No. 011519N

For, National Institute of Disaster Management

  
Anuj Maheshwari  
Partner  
M. No. 096530



  
Dr. Satendra  
Executive Director

  
Ramesh Kumar  
Account Officer

Place: New Delhi  
Date: 03rd October, 2013

NATIONAL INSTITUTE OF DISASTER MANAGEMENT  
(Ministry of Home Affairs)

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013

(Amount in Rs.)

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
<b>INCOME</b>		
Institutional consultancy 40% Share	-	770,248.00
Sale of Journal	4,200.00	16,800.00
Interest Income	352,748.00	391,595.00
Misc. Receipt	63,395.00	132,240.00
<b>TOTAL (A)</b>	<b>420,343.00</b>	<b>1,310,883.00</b>
<b>EXPENDITURE</b>		
Bank Charges	10,247.00	4,566.00
Less: Trf to NIDM Main A/c	10,247.00	
<b>TOTAL (B)</b>	<b>-</b>	<b>4,566.00</b>
<b>BALANCE BEING THE SURPLUS/DEFICIT (A-B)</b>	<b>420,343.00</b>	<b>1,306,317.00</b>
Less: Savings transfer to PAO, MHA	420,343.00	540,635.00
<b>BALANCE BEING THE SURPLUS/(DEFICIT) CARRIED TO BALANCE SHEET</b>	<b>-</b>	<b>765,682.00</b>

In terms of Our Report on the even date attached.  
Checked and found correct from the Books  
of Accounts produced before us

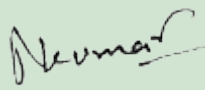
For, V.K.Sehgal & Associates  
Chartered Accountants  
Firm's Reg No. 011519N

For, National Institute of Disaster Management

  
Anuj Maheshwari  
Partner  
M. No. 096530



  
Dr. Satendra  
Executive Director

  
Ramesh Kumar  
Account Officer

Place: New Delhi  
Date: 03rd October, 2013

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**  
(Ministry of Home Affairs)

**RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013**

(Amount in Rs.)

PARTICULAR	31.03.2013		31.03.2012	
OPENING BALANCE				
UCO Bank (saving a/c)	8,494,934.00	8,494,934.00	10,803,056.00	10,803,056.00
RECEIPTS				
PROJECTS BALANCE FUNDS TRANSFERRED FROM NIDM				
MAIN ACCOUNT TO PLA A/c			-	
Less:- 20% consultancy amount deposited in Govt. a/c			-	
half day UNICEF prgramme expenses incurred from main a/c			-	-
RECEIPTS DURING THE YEAR				
1 Receipt from MCD- Forensic investigation project	-		650,000.00	
2 Receipt from WBI-online course receipts	1,185,721.14		1,397,645.00	
3 Receipt from USAID Project	1,400,000.00		-	
5 Receipt from MHA for Training Prog. For South African Officials	1,814,500.00		1,839,500.00	
6 Receipt for UNFA Project	-		785,350.00	
7 Receipt from MoA for Drought Project	-		69,750.00	
8 Receipt for UNFPA Project	1,803,793.00		-	
9 Receipt from ICSSR Drought Project	116,250.00		-	
10 SAARC- SADKN Project	-		290,000.00	
11 Receipt for NOIDA Project	-		1,620,000.00	
12 Receipt for NCRM Project	5,437,950.00	11,758,214.14	1,631,768.00	8,284,013.00
OTHER RECEIPTS				
1 Misc. receipts	422,099.00		132,240.00	
2 Sale of Journal	2,750.00		16,800.00	
3 Security EMD received	-		5,000.00	
4 Interest received	352,748.00	777,597.00	391,595.00	545,635.00
<b>TOTAL</b>		<b>21,030,745.14</b>		<b>19,632,704.00</b>

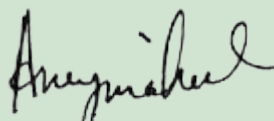
PARTICULAR	31.03.2013		31.03.2012	
PAYMENTS				
PROJECT EXPENSES				
1 Ahmedabad DRM Plan for Walled City of Ahemdabad	188,000.00		58,658.00	
2 ICSSR for Drought Project	67,105.00		59,476.00	
3 IDMC Project	-		274,700.00	
4 Project saving paid to MHA	1,727,602.00		4,210,662.00	
5 UNFPA Projects	1,841,359.00		747,784.00	
6 MCD-Forensic investigation project expenses	248,319.00		794,990.00	
7 NHCD Plan - NDMA	21,000.00		-	
8 USAID Project Expense	1,400,000.00		-	
8 National Cyclone Risk Mitigation Project expenses-NDMA	4,406,875.00		1,255,716.00	
9 WBI-Online programme expenses	759,893.00		1,015,708.00	
10 Training Programme for South Africian Officials	1,376,900.00		1,710,301.00	
11 UNDP-GOI DRR Programme expenses	950,000.00		801,000.00	
12 SADKN Project	88,511.00		-	
13 Consultancy charges	-	13,075,564.00	189,643.00	11,118,638.00
OTHER EXPENSES				
1 Bank Charges	10,247.00		4,566.00	
2 Advance Given for NCRMP Exp	25,544.00			
Loan & Advance Net	13,321.00			
3 Expense Payable	118,380.00		-	
4 20% Consultancy Paid to Government	385,124.00	552,616.00	14,566.00	19,132.00
CLOSING BALANCE				
UCO Bank (saving a/c)	7,402,565.14	7,402,565.14	8,494,934.00	8,494,934.00
TOTAL		21,030,745.14		19,632,704.00

In terms of Our Report on the even date attached.

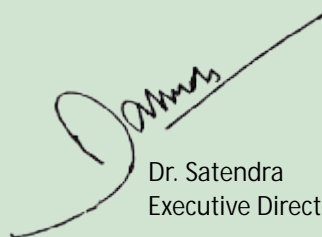
Checked and found correct from the Books of Accounts produced before us

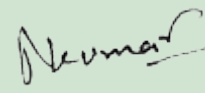
For, V.K.Sehgal & Associates  
Chartered Accountants  
Firm's Reg No. 011519N

For, National Institute of Disaster Management

  
Anuj Maheshwari  
Partner  
M. No. 096530



  
Dr. Satendra  
Executive Director

  
Ramesh Kumar  
Account Officer

Place: New Delhi

Date: 03rd October, 2013

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**  
(Ministry of Home Affairs)

(Amount in Rs.)

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
<b>INCOME</b>		
<b>SCHEDULE : '1' CORPUS/CAPITAL FUND</b>		
Opening Balance	731,560.00	(34,122.00)
Reserve & Surplus transferred from main a/c	-	-
Less:- Institutional Consultancy (20% share)		
ADD: Excess of Income (Expenditure) Over Expenditure (Income)	-	765,682.00
<b>TOTAL</b>	<b>731,560.00</b>	<b>731,560.00</b>
<b>SCHEDULE : '2' EARMARKED FUNDS</b>		
<b>1 Funds Received from New Okhla Industrial Development Authority for preparation of 'Disaster Management Plan' Opening Balance</b>		
ADD : Received during the year	770,249.00	305,621.00
	-	1,620,000.00
	770,249.00	1,925,621.00
LESS :utilization during the year	-	-
LESS :Institutional consultancy 40%	-	770,248.00
LESS :Govt Treasury 20%	-	385,124.00
	770,249.00	770,249.00
<b>2 Funds Received from NDMA for Cyclone Risk Mitigation Project</b>		
Opening Balance	606,404.00	368,232.00
Received during the year	5,437,950.00	1,631,768.00
Less :Advance given for Expenses	19,250.00	-
Less :utilization during the year	4,343,455.00	1,393,596.00
	1,681,649.00	606,404.00
<b>3 Funds Received from Ahemdabad Corporation for DRM Plan for Walled City of Ahemdabad Opening Balance</b>		
Add: Funds utilized from NIDM Main A/c	103,994.00	162,652.00
	84,006.00	-
LESS : Utilization/Expenditure during the year	188,000.00	58,658.00
	-	103,994.00

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
4 Funds Received from MoST for for Brain storming Climate Change Progrmme		
Opening Balance	400,000.00	400,000.00
Received during the year	-	-
LESS : Utilization/Expenditure during the year	-	-
	400,000.00	400,000.00
5 Funds Received from NDMA for Preparation of NH&CD Plan		
Opening Balance	710,000.00	710,000.00
Received during the year	-	-
LESS : Utilization/Expenditure during the year	21,000.00	-
	689,000.00	710,000.00
5 Funds Received from India Disaster Management Congress		
Opening Balance	-	1,070,417.00
Received during the year	-	-
	-	1,070,417.00
LESS : Utilization/Expenditure during the year	-	274,700.00
LESS : savings deposited to Govt. a/c	-	795,717.00
	-	-
6 Funds Received from MCD for forensic investigation project		
Opening Balance	380,211.00	525,201.00
Received during the year	-	650,000.00
Unutilised fund received from employee	689.00	
	380,900.00	1,175,201.00
LESS : Utilization/Expenditure during the year	249,008.00	794,990.00
	131,892.00	380,211.00
7 Funds Received from Online-WBI courses		
Opening Balance	1,296,364.00	1,010,895.00
Received during the year	1,130,454.14	1,398,645.00
	2,426,818.14	2,409,540.00
LESS : Utilization/Expenditure during the year	717,533.00	1,113,176.00
LESS : savings deposited to Govt. a/c	-	-
	1,709,285.14	1,296,364.00
8 Funds Received from SAARC for SADKN Project		
Opening Balance	341,148.00	-
Received during the year	-	-

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
Savings reversed from Govt. A/c	-	341,148.00
	-	341,148.00
LESS : Utilization/Expenditure during the year	31,884.00	-
LESS : savings deposited to Govt. a/c	-	-
	309,264.00	341,148.00
9 Funds Received from MHA for Training Programme for South African Officials		
Opening Balance	129,199.00	-
Received during the year	1,814,500.00	1,839,500.00
	1,943,699.00	1,839,500.00
LESS : Utilization/Expenditure during the year	1,666,900.00	1,710,301.00
LESS : savings deposited to Govt. a/c	-	-
	276,799.00	129,199.00
10 Funds Received from USAID for Preparation of IRS Module		
Opening Balance	-	-
Received during the year	1,400,000.00	-
LESS : Utilization/Expenditure during the year	1,400,000.00	-
	-	-
11 Funds Received from UNDP-GOI DRR Programme		
Opening Balance	1,009,000.00	1,810,000.00
Received during the year	-	-
	1,009,000.00	1,810,000.00
LESS : Utilization/Expenditure during the year	950,000.00	801,000.00
	59,000.00	1,009,000.00
12 Funds Received from UNFA Project		
Opening Balance	37,566.00	-
Received during the year	1,803,796.00	785,350.00
	1,841,362.00	785,350.00
LESS : Utilization/Expenditure during the year	1,841,362.00	747,784.00
	-	37,566.00
13 Funds Received from ICSSR for vulnerability Assessment and mitigation analysis for drought in Bundelkhand		
Opening Balance	(226.00)	-
Received during the year	116,250.00	69,750.00
	116,024.00	69,750.00

PARTICULARS	31.03.2013 AMOUNT	31.03.2012 AMOUNT
LESS : Utilization/Expenditure during the year	67,105.00	69,976.00
	48,919.00	(226.00)
TOTAL	6,076,057.14	5,783,909.00
SCHEDULE : '3' CURRENT LIABILITIES AND PROVISIONS	31.03.2013	31.03.2012
Consultancy payable to Govt. a/c 20%	-	385,124.00
Projects savings payable to MHA	4,955,124.00	1,727,602.00
Earnest money security deposits	30,000.00	30,000.00
Expenses Payable	-	198,380.00
TOTAL	4,985,124.00	2,341,106.00
SCHEDULE : '4' CURRENT ASSETS, LOANS AND ADVANCES	31.03.2013	31.03.2012
A. CURRENT ASSETS		
Cash in hand	-	-
Bank Balances with :		
UCO Bank Account No. 6139	7,402,565.14	8,494,934.00
B. LOANS, ADVANCES AND OTHER ASSETS		
NIDM main a/c	4,390,176.00	361,641.00
TOTAL	11,792,741.14	8,856,575.00





## NATIONAL INSTITUTE OF DISASTER MANAGEMENT

(Ministry of Home Affairs, Government of India)

5-B, IIPA Campus, I.P. Estate, Mahatma Gandhi Marg, New Delhi - 110002

Tel. - 011-2370 2432, 2370 5583, 2376 6146

Tele Fax - 011-23702442, 23702446

Website : [www.nidm.gov.in](http://www.nidm.gov.in)