

## Editorial Board

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## Highlights

### National Workshop on Uttarakhand Disaster

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## Message

The Uttarakhand disaster - 2013 has caused huge devastation in the State, affecting almost all developmental sectors. After completion of rescue and relief operations, the task of reconstruction has started in the disaster affected areas of the State. The Government of India has constituted a Cabinet Committee under the Chairmanship of Prime Minister, for providing broad guidance for re-construction and rehabilitation efforts in Uttarakhand and to take all necessary decisions in this respect. An Inter Ministerial Group (IMG) has also been set up under the chairmanship of Cabinet Secretary for drawing up a time bound Action Plan for supporting rehabilitation and reconstruction efforts in Uttarakhand through involvement of various agencies of the Central Government in the post-flood situation. Planning Commission is coordinating the preparation of a comprehensive reconstruction and rehabilitation package. The World Bank and Asian Development Bank are in the process of extending assistance of Rs.2500 crores and 1500 crores respectively towards reconstruction of the disaster affected areas in Uttarakhand.

Despite all these efforts at various levels, re-building Uttarakhand after extensive devastation is not an easy task. The natural geological and geomorphological features along with ecological factors make this task further difficult. Taking all these factors into consideration, it is necessary that due precautions are taken while carrying out reconstruction work in the State. Reconstruction in Uttarakhand is to be taken up as an opportunity to reduce the vulnerability of the State against impending natural and manmade disasters by relocating settlements in safer sites, introducing new building technologies for hilly terrains, up-dating national building codes for disaster safe hill areas, and by enhancing (through multiple strategies) disaster preparedness at different levels. The reconstruction process should enable effective recovery support to flash flood impacted areas of Uttarakhand in a unified and collaborative manner. It must also focus on how best to restore, redevelop and revitalize the health, social, economic, natural and environmental fabric of the community and build a more resilient State.



(Satendra)

# National Workshop on “Uttarakhand Disaster 2013: Lessons Learnt”

August 19, 2013

NIDM organized one day national workshop on “Uttarakhand Disaster 2013: Lessons Learnt” on Monday, August 19, 2013, at its own campus. Aim of the workshop was to share the learning experience of all the organizations involved in the rescue, relief and rehabilitation.

The occasion was graced by Shri. M. Shashidhar Reddy, Hon’ble Vice Chairperson, NDMA, Padma Bhusan Shri Chandi Prasad Bhatt, Shri V.K Duggal, Hon’ble Member, NDMA, Shri S.K. Muttoo, Chief Resident Commissioner, Uttarakhand Government, Shri P.P. Srivastava, Hon’ble Member, North Eastern Council (NEC), Shri T. Nandakumar, Hon’ble Member NDMA, Shri Anil Sinha, Hon’ble Vice Chairman Bihar Disaster Management Authority, Dr. Muzaffar Ahmed, Hon’ble Member NDMA, Dr P. K. Mishra, Chairman GERC, Professor V. K. Sharma, Hon’ble Vice Chairman, Sikkim Disaster Management Authority. The other key dignitaries like Dr R. K. Bhandari and Dr. Y. V. N. Krishnamurthy also participated in the event. More than 130 participants from various government and non government organizations attended the workshop.

The inaugural session started with the observation of two minutes silence for those deceased in the Uttarakhand Tragedy.

Dr. Satendra, Executive Director, in his Welcome Address, briefed about mandates of NIDM and the importance of documentation of the Uttarakhand deluge. He informed that NIDM team visited twice to Uttarakhand and collected information based on extensive survey work in all the four severely affected districts. He appealed all to provide their valuable feedback in the form of exclusive article/



Renowned environmentalist, Padmabhushan Shri Chandi Prasad Bhatt, addressing delegates during the inaugural session of the workshop.



Shri M. Shashidhar Reddy, Hon’ble, VC, NDMA delivering inaugural address

document for inclusion the documentation. Shri S.K. Muttoo, Chief Resident Commissioner, Uttarakhand Government, expressed that NIDM should bring out all facts and figures with clarity for all to realize their faults and redevelop better. Padma Bhusan Shri Chandi Prasad Bhatt, renowned environmentalist was the “Guest of Honour”. He has recalled “Chipko Movement” of 1960’s and reminded everyone to redevelop Uttarakhand in harmony with the Mother Nature. Shri. M. Shashidhar Reddy, Hon’ble Vice Chairman, the National Disaster Management Authority, in his inaugural address as Chief Guest, placed great emphasis on the NIDM’s effort for the documentation of Uttarakhand Disaster and appealed everybody to stand by the objective set forth for the day long workshop. He stressed more on the coordination and integration of all national organizations/agencies towards reconstruction and rehabilitation of Uttarakhand.

Inaugural session was followed by 3 technical Sessions.

Session 1: Uttarakhand Disaster Response (Rescue & Relief), Session 2: Coordination and Administrative issues; and Session 3: The Way Ahead (Future strategy). The first session was chaired by Shri V.K Duggal, Hon’ble Member, NDMA, who was nominated by Government of India as “coordinator” of “Response and relief” operation till 31<sup>st</sup> July 2013. Presently, he has been assigned as “coordinator” of the “Reconstruction and Rehabilitation” strategy too. The session was later presided

by Shri P.P. Srivastava, Hon'ble Member, North Eastern Council (NEC). Keynote presentation was made by Prof. Chandan Ghosh, NIDM and he has highlighted many issues regarding river side development alternatives, codes, guidelines, technology and feasibility, landslides mitigation etc. Presentations by dignitaries from Indian Army, Air Force, ITBP, NDRF, BRO, State police gave very comprehensive accounts of the hard work rendered during massive rescue and relief operations. Discussions included, the major problems faced in the IMD's early warning dissemination, strategy evolved in rescuing trapped people in harsh situation, problem faced during operation and also discussed how various government departments and local administration worked together for rescue operations.

The second session on Coordination and Administrative Issues was chaired by Shri T. Nanda Kumar, Hon'ble Member, NDMA and

Shri Anil Sinha, Hon'ble Vice Chairman Bihar Disaster Management Authority. During the session, the participants shared their experiences related to coordination among various agencies involved in response and rescue operation during the disaster. Besides policy issues related to disaster management, response and relief were also discussed in this session.

The third session was chaired by Dr. Muzaffar Ahmed, Hon'ble Member NDMA, Dr. P. K. Mishra, Chairman, GERC and Prof. V. K. Sharma, Hon'ble Vice Chairman, Sikkim Disaster Management Authority. Shri Chand Prasad Bhatt in his keynote presentation during the session, emphasized on sustainable and eco friendly development in the region. This session was focused on future strategy for reconstruction and rehabilitation in disaster affected areas of Uttarakhand. The workshop was ended with vote of thanks by Prof. Chandan Ghosh, NIDM.

## **National Workshop for State Relief Commissioners on 'Capacity Building Grants'**

August 28, NIDM, New Delhi

A National Workshop for State Relief Commissioners on 'Capacity Building Grants' was organized by the NDMA and NIDM on 26th August at NIDM Campus. Various important issues related to the progress of utilization of grants by different states, status of formulation of SDMPs, training and capacity building etc were discussed with 32 representatives from various states during this workshop. The workshop was chaired by Shri T. Nanda Kumar, Hon'ble Member, NDMA, Dr. Muzaffar Ahmad, Hon'ble Member, NDMA, Smt. Gauri Kumar, Secretary (BM) MHA, Dr. Shyam Agarwal, Secretary, NDMA, Shri G.V.V. Sarma, JS(DM) MHA, Smt. Neelkamal Darbari, JS (Admn) NDMA; Smt. Anita Bhatnagar Jain, JS(PP) NDMA; and Smt. Archana G. Gulati, Financial Adviser NDMA were the other key dignitaries, who attended the workshop.

The Inaugural Session commenced with the Welcome Address by Dr. Satendra, ED NIDM, followed by the opening remarks by Shri T. Nanda Kumar, Hon'ble Member NDMA. Smt. Gauri Kumar, Secretary (BM) MHA and Dr. Shyam Agarwal, Secretary NDMA also addressed the participants during the inaugural session.

The key issues discussed during the workshop were (i) Utilization of specific grants recommended under 13th Finance Commission, such as Capacity Building Grant; (ii) Grant for Revamping Fire Services; (iii) Grants for



Dr. Satendra, ED NIDM, Dr. Shyam Agarwal, Secretary NDMA; Shri T. Nanda Kumar, Hon'ble Member, NDMA Smt. Gauri Kumar, Secretary(BM) MHA; Shri G.V.V. Sarma, JS(DM) MHA during the Inaugural session of the workshop.

DRR under the 14th Finance Commission; (iv) Status of formulation and approval of State Disaster Management Plans / District Disaster Management Plans; (v) India Disaster Resource Network (IDRN); (vii) National Cyclone Risk Mitigation Project; (vii) recent initiatives of NIDM including Trainees Data Base and Directory of Disaster Management Resource Persons; National Portal for Disaster Risk Reduction; and issues related to financial assistance to ATIs. The workshop ended with the concluding Remarks by Smt. Anita Bhatnagar Jain, JS (PP), NDMA followed by Vote of thanks by Dr. Satendra, ED NIDM.

## 7th meeting of the Governing Body of NIDM

August 23, 2013, NIDM, New Delhi

Seventh meeting of the Governing Body of NIDM was held on 23-08-13, under the Chairmanship of Shri M. Shashidhar Reddy, Hon'ble Vice Chairman, National Disaster Management Authority (NDMA). ED, NIDM presented the Action Taken Report on the decisions of the 6th Meeting of the Governing Body.

It was informed by ED, NIDM that the activity chart for preparing the training calendar will be finalized in consultation with NDMA, which will be followed for the year 2014-15.

NIDM has been conducting about 25% of its training programmes in the form Training of Trainers (ToTs). The Governing Body decided that NIDM should focus more on Training of Trainers programmes based on Training Needs Assessment (TNA). The Governing Body also decided that NIDM should conduct training programmes and develop training modules in consultation with the stakeholders including the Central Ministries and the State Governments. NIDM should identify and make partnerships or conduct collaborative programmes with the reputed agencies like IIMs, IITs and other Institutions so that they can also be involved in the training and research/ documentation programmes conducted by NIDM. The Governing Body appreciated the trainee's database of NIDM and advised that the institute should regularly update the database of the trainers and the trainees and upgraded with a search engine for sorting facility for easy and optimal use. It was also decided that NIDM should come up with an annual report within 2 months. The Governing Body noted the status of the East Asia Summit held in November, 2012 and National Platform for Disaster Risk Reduction in May, 2013.



Shri M. Shashidhar Reddy, Hon'ble vice chairman of NDMA chairing the 7th Meeting of Governing Body of NIDM.

The meeting was attended by Ms. Gauri Kumar, Secy (BM); MHA, Dr. Shyam S. Agarwal, Secy, NDMA; Shri Bibhas Kumar, Chairman, CWC; Shri Suresh Chandra Panda, Addl. Secy & Financial Adv.; MHA, Shri G. V. V. Sarma, JS (DM), MHA; Ms. Neelkamal Darbari, JS (Admn.), NDMA; Shri Sandeep Sarkar, Director (Finance), MHA; Ms. Preeti Banzal, JA (Capacity Building and Training), NDMA; Shri Dina Nath, JD, Dept. of Expenditure, Ministry of Finance; Prof. Saibal Chattopadhyay, Director, IIM-Kolkata; Prof. M. L. Sharma, Head, Department of Earthquake Engineering, IIT-Roorkee; Dr. Srinagesh, Chief Scientist, NGRI & Shri T. Viswanath, OSD to Hon'ble VC, NDMA. The Governing Body considered the various agenda items and approved and also given directions on the proposals for implementation.

## Van Mahotsav

July 30, NIDM, New Delhi

NIDM in collaboration with IIPA, New Delhi celebrated "Van Mahotsav" on 30<sup>th</sup> July 2013. Van Mahotsav is an annual tree-planting festival in India, celebrated in the month of July with the objective of sensitizing people about its intricate linkages with forest and DRR leading towards environment sensitive DRR planning. On this occasion Vriksharopan programme was also organized in which many saplings were planted by Executive director NIDM, faculty & staff members of NIDM.



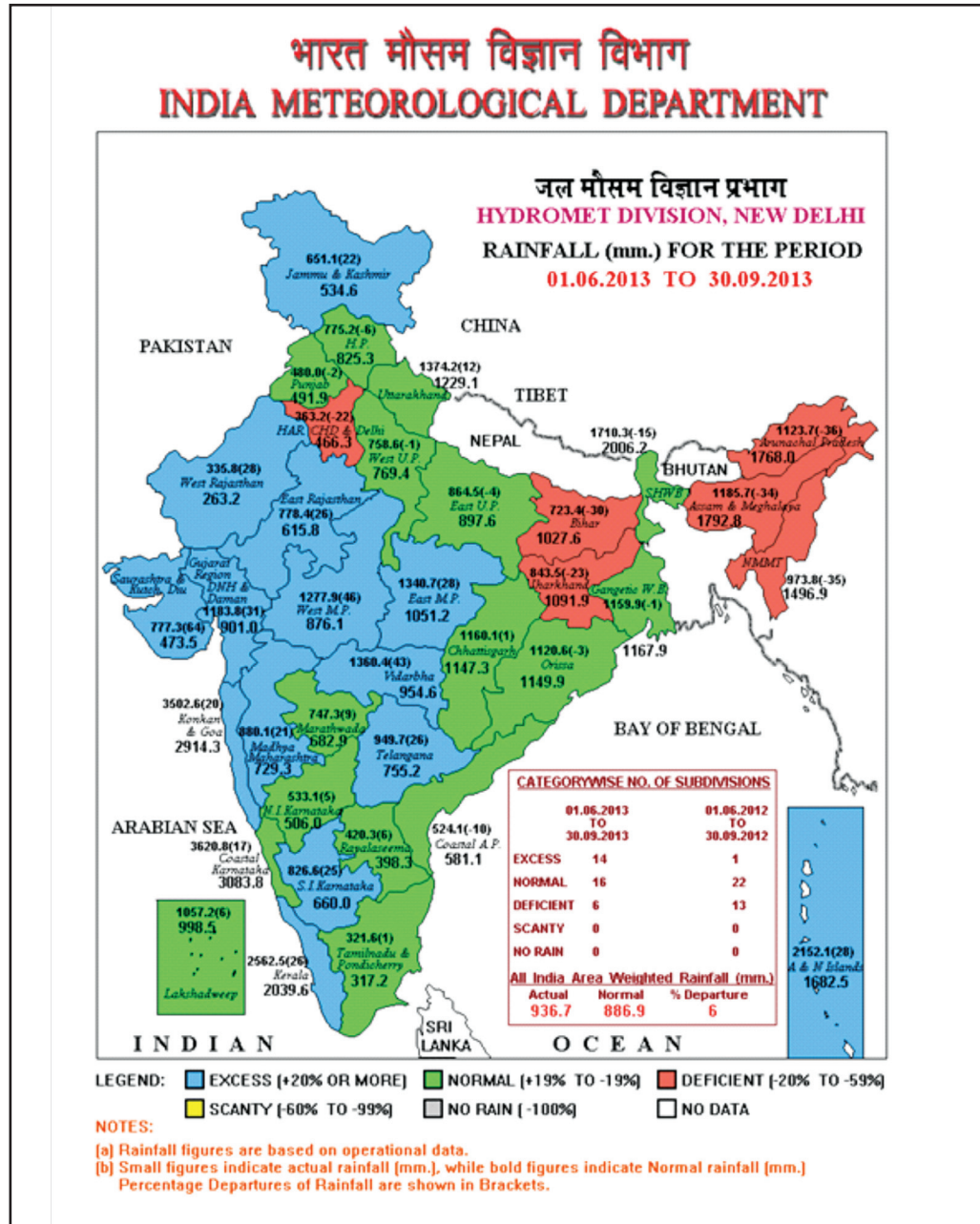
ED NIDM planting sapling during Vriksharopan Programme

# Disasters of this Quarter

## India Floods 2013

Floods (during June – September, 2013) affected 16 states of India in various proportions. Major portion of central and North India received excess rainfall i.e. more than 20% excess rainfall during the monsoon period. During June 2013, very heavy rainfall, centered on the North Indian state of Uttarakhand, especially Kedarnath, Badrinath and Gangotri, caused devastating floods and landslides, the worst natural disaster during the recent history. The disaster is unique since tourists from all states of India were affected by the event. Even before the onset of SW monsoon the State experienced the abnormally high rainfall that resulted in a number of landslide, cloudburst and flood events throughout the State. Heavy precipitation augmented the river, Uttarpradesh was also severely affected by floods during July-September 2013. The death toll in flood and heavy rain related incidents have reached to 278 during monsoon. All major rivers were in spate and large areas have been inundated in about 20 districts. Over 17 lakh population of 1,097 villages of 20 districts have been affected by the floods and thousands of houses have also been damaged. Most of the schools have been converted into relief camps (Source: <http://www.ndtv.com/article/india/uttar-pradesh-declares-20-districts-flood-hit-seeks-central-assistance-415153>).

Floods in Bihar started showing its affect since July 2014 and continued to be in grim till September 2013, as all major rivers including Ganga was flowing above the danger mark at many places. According to the State Disaster Management Department, more than 44 lakh people in 3,768 villages of 12 districts of the State majorly affected by floods, other than 8 districts which is partially affected. The floods already have claimed 125 human lives, but some other sources quoted the death toll reached up to 201 (Source: [www.reliefweb.int](http://www.reliefweb.int))



According to Assam State Disaster Management Authority's flood report, 12 districts were affected by floods . The affected districts are Bongaigaon, Chirang, Dhemaji, Golaghat, Jorhat, Kamrup, Karimganj, Lakhimpur, Morigaon, Nagaon, Sivasagar and Tinsukia. In total 5 lakh people of 396 villages were affected, and 7000 hectares of agricultural land destroyed. The Asia's largest river island Majuli and the Kaziranga National Park were also badly affected. Vast tracts of agricultural land have been inundated, and posed severe scarcity of drinking water as reported from most of the villages (<http://sdmassam.nic.in/>)

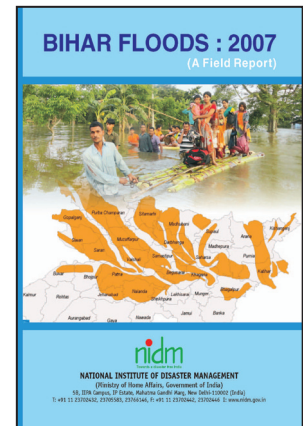
Torrential rain in the south-eastern state of Andhra Pradesh has claimed 22 lives. More than 300 villages in four districts are inundated by flood waters. The infrastructure is heavily affected, some areas are only accessible by helicopters, villages are cut off from electricity and the number of people affected by water-borne disease is increasing. An estimated 150,000 people are affected by the floods having their houses damaged and crops destroyed. (Source reliefweb.int).

## Publications

### Bihar Flood 2007

Authors: Santosh Kumar, Arun Sahdeo & Sushma Guleria

The purpose of documentation of this disaster event by the National Institute of Disaster Management is to draw important lessons from floods and its management. The focus of the study is to highlight on the practical problems, dilemmas and challenges and to suggest measures for reducing the loss of life and property due to major floods. The study clearly establishes the need for a comprehensive approach on flood hazards with a broader perspective of flood plain management, non-structural approaches, and institutional innovations, which may be used for integrated, comprehensive flood control strategies.



## Papers

Singh, S., Nair S.S. and Gupta, A.K. (2013). Ecosystem Services for Disaster Risk Reduction: A Case Study of Wetland in East Delhi, India. *Global Journal of Human Social Science*, 13(4), 36-47.

## India Disaster Resource Network

IDRN, a web based platform for managing the inventory of equipments, skilled human resources and critical supplies for emergency response developed under the GOI-UNDP Disaster Risk Management Programme was launched in 2004. Five regional training programs, with the objective of generating awareness about the portal and to develop skills of the technical professionals to maintain the data up to date are scheduled during the year 2013-14. Out of these two have already been organized in April and June, 2013 respectively. Third regional training on IDRN, targeting officials from 7 West Indian States & UTs (Gujarat, Rajasthan, Madhya Pradesh, Maharashtra, Goa, Daman Diu and Dadra & Nagar Haveli) was organized on 30 August 2013 at GIDM, Gandhinagar, Gujarat. Twenty eight officials from 5 states/ UTs attended this course. For details visit [www.idrn.gov.in](http://www.idrn.gov.in).



Group Photograph of IDRN regional training held at GIDM Gujarat on 30th August 2013.

## Visits

A twenty three member team comprised of M. Sc. Environmental Science students and a Scientist from Forest Research Institute, Dehradun visited NIDM. The aim of the visit was to understand about the Environmental and Social impacts of the recent Uttarakhand Disaster. The team

interacted with faculty members Prof. Chandan Ghosh, Dr. K.J. Anandha Kumar and consultants at NIDM who visited the disaster affected areas and presently documenting the lessons learned.

### Training Programmes Conducted

(July – September, 2013)

- Geo-Informatics in Disaster Management, NIDM, 8-12 July
- Role of forestry in DM, FRI, Dehradun, 15-19 July
- Office Disaster Management Plan, NIDM/ UTCS Delhi, 23-25 July
- School Safety for Teachers, NIDM, 29 July-2 Aug.
- ToT on Disaster Management, UPAAM, Lucknow, 29 July-2 Aug.
- ToT on Basic Disaster Management, NIDM, 19-23 Aug.
- IRS-Basic & Intermediate, NIDM, 19-23 Aug.
- Needs for Children in Disaster, NIDM, 2-6 Sept.
- Disaster Management for Police, CDTS, Ghaziabad, 10-12 Sept.
- Media & Disaster Management, NIDM, 11-13 Sept.
- School Safety, NIDM, 23-27 Sept.
- Chemical (Industrial) Disaster Management, GIDM, Sept 23-27, 2013
- TOT on School Safety, Lucknow, Sept 23-27, 2013
- Earthquake Risk Mitigation & Management, HIPA, Himachal Pradesh, Sept 25-27, 2013
- Disaster Safe Hill Area Development, Uttarakhand, Sept 24-26, 2013

### Upcoming Training Programmes

(October – December 2013)

- Community Based Disaster Management, SDMA, Sikkim, 3rd Oct
- Comprehensive Landslides Risk Management, SDMA, Sikkim, 4-5 Oct
- GLOF and LLOF, SDMA, Sikkim, 7-8 Oct
- Forest Fire Disaster Management, FRI, Dehradun, 7-11 Oct
- IRS- Incident Command System, NIDM, New Delhi, 7-8 Oct.
- IRS-Operation section, NIDM, New Delhi, 9-11 Oct
- Forest Fire Mitigation & Management, FRI Dehradun, 7-11 Oct.
- IRS- Operation Sections Chief, NIDM, 9-11 Oct.
- Mainstreaming DRR into Development for JS level Officers in collaboration with DoPT, NIDM, 11-12 Nov
- Disaster Management in collaboration with National Literacy Mission, 11-14 Nov., NIDM
- Disaster Management for Civil Defence Officers, 18-22 Nov., NIDM
- Gender & Disaster Management, NIDM, 18-22 November.
- Long Term Recovery , NIDM, 25-27 Nov.
- Training Workshop on India Disaster Resource Network, 30 November, SKIPA, Ranchi
- Comprehensive Landslides Risk Management, 2-6, December, NIDM
- Seismic Safety Assessment of Buildings by RVS, Hamirpur, HP
- Stampede Risk Reduction , ATI, West Bengal, 4-6 Dec.
- IRS-Planning Sections Chief, NIDM, 16-20 Dec.
- Coastal Community Resilience, SIRD Tamil Nadu, 16-20 December
- Chemical (Industrial) Disaster Management, MDC for SHE, Odisha, 18-20 Dec.

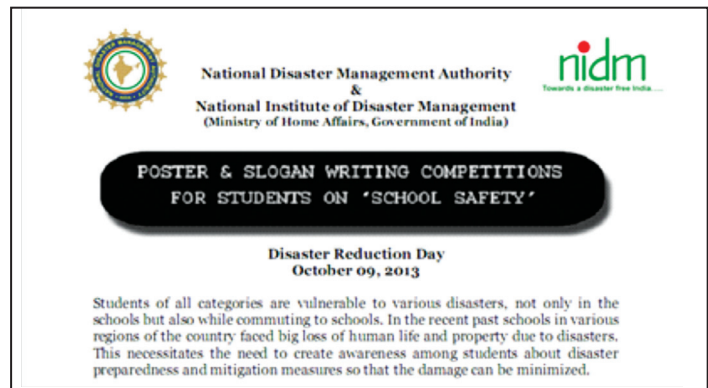
## Upcoming Events

### Disaster Reduction Day

9 October 2013

National Disaster Management Authority (NDMA) and National Institute of Disaster Management (NIDM) will be jointly observing the Day on 09th October, 2013 at India International Centre, New Delhi. This event will be an opportunity to focus national attention on disaster reduction particularly on the important issue of "School Safety". To create awareness among students, poster making competitions will be organized in the schools across the country.

For details visit <http://nidm.gov.in/pdf/drd-13.pdf>



### Outcome Discussion and Strategy Workshop on "Environmental Planning and Disaster Risk Management (EPDRM) "

22 October 2013, NIDM, New Delhi

NIDM will be organising an Outcome Discussion and Strategy Workshop on "Environmental Planning and Disaster Risk Management (EPDRM): Six years of Indo-German Cooperation in the field of Disaster Risk Management (DRM) in India" on 22 October 2013. Environmental Planning and Disaster Risk Management (EPDRM) Programme is jointly implemented by Ministry of Environment and Forest (MoEF), National Institute of Disaster Management (NIDM), The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), GmbH and Indo German Environmental Programme (IGEP), facilitated through the consortium of Ifanos Concept & Planning (Germany) and Ifanos India (New Delhi). EPDRM Project was focused on human resource development on emerging aspects in 'environmental planning and disaster risk management'. The objective of the proposed workshop is to share various knowledge products developed under the programme and discuss about the various activities carried out under the programme and the projects there under with NIDM, DMI and NCDC. Further, the challenges and opportunities for Indo German Cooperation in future, related to DRR will also be discussed during the event.



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