



Human Resource Development and Training in DRR : Bangladesh Perspectives

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&

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Country: Bangladesh

- Total population : 165 million
- Total Geographic Area : 147,570 sqkm
- Population density in coastal areas : 1000/sqkm
- Flood plains: 80% of total areas
- Located at fragile deltaic flood-plain
- More than 300 rivers (57 Trans boundary rivers)
- High-risk country to recurrent natural disasters





Disasters in Bangladesh

◆ Flood	<u>Year</u>	<u>Disaster</u>	<u>Death</u>
◆ Tropical Cyclone	1970	Cyclone	300,000
◆ Storm Surge	1988	Flood	2,373
◆ Tornado	1988	Cyclone	5,704
◆ River Bank Erosion	1991	Cyclone	138,868
◆ Drought	1996	Tornado	545
◆ Earthquake	1997	Cyclone	550
◆ Arsenic	1998	Flood	918
◆ Fire	2004	Flood	747
◆ Landslide	2007	Flood	1,071
	2007	Landslide	129
	2007	Cyclone(SIDR)	3,406
	2009	Cyclone ('alia)	190
	2012	Landslide	119
	2012	Cyclone (Mahasen)	14





Key Factors of Vulnerability

Global Warming and Climate Change

Geographical location

Dominance of floodplains

Low elevation from the sea

High population density

High level of poverty





photo: M.H. Sarker

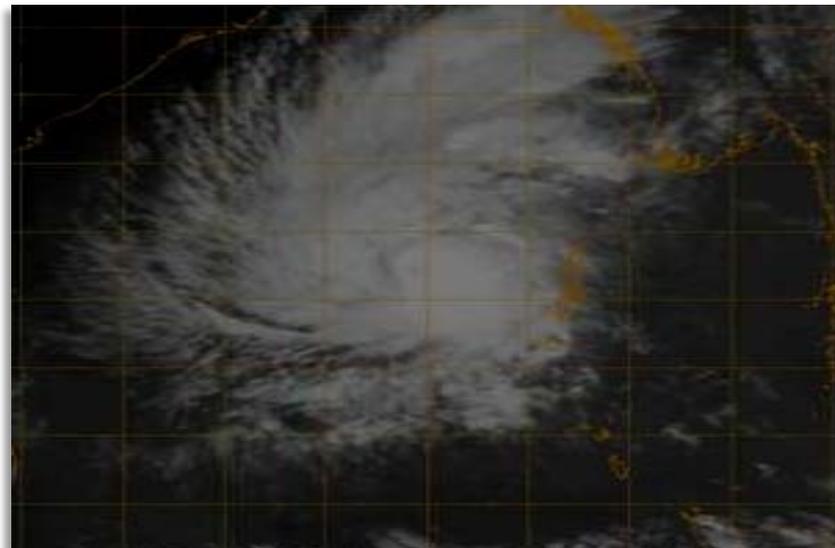


PHOTO: AFP



DISASTERS





DISASTERS





Cyclone Devastated Area







DISASTERS



International Strategy for
Disaster Reduction

Asian Conference on Disaster Risk Reduction, 2014
4-6 March 2014, Shinagawa Prince Hotel, Tokyo, Japan



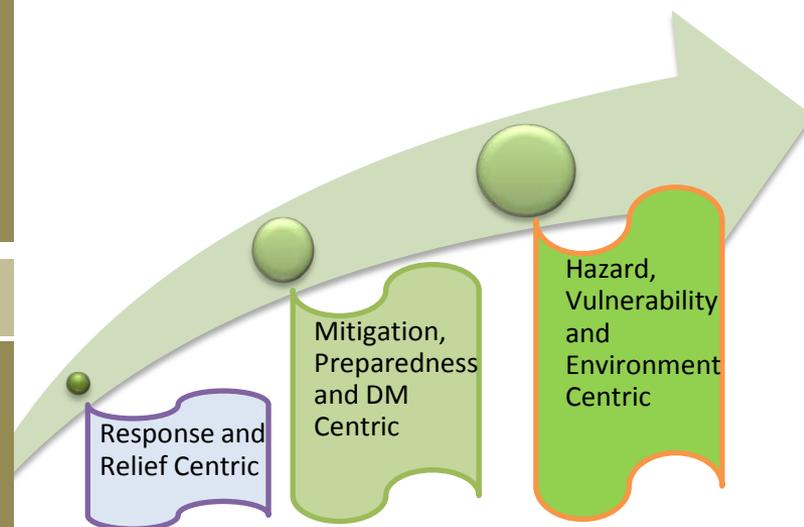
GoB Vision on Disaster Management

To reduce the vulnerability of people, especially the poor, to the effects of natural, environmental and human induced hazards to a manageable and acceptable humanitarian level.

Mission of The MoDMR

To bring a paradigm shift in disaster management from conventional response and relief to a more comprehensive risk reduction culture and to promote food security as an important factor in ensuring the resilience of the community to hazards.

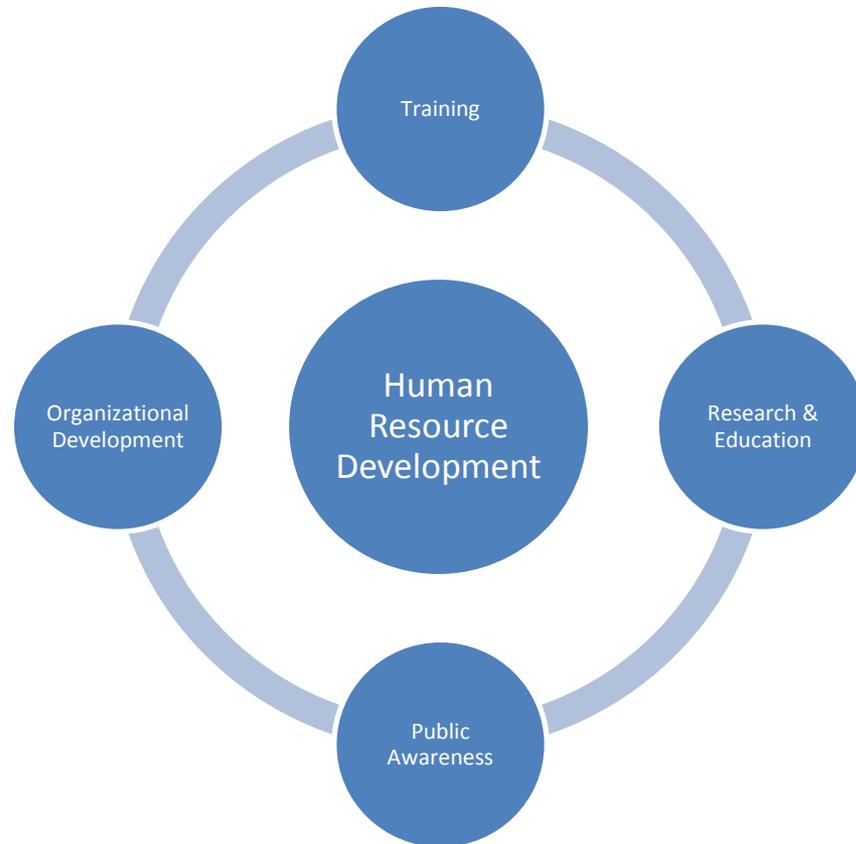
DM Paradigm Shift





Human Resource Development: DM Context

- Organizational/ Institutional Development
- Education & Research
- Training
- Public Awareness





DRR Institutions for HRD & Training

- Department of Disaster Management (DDM)
- Comprehensive Disaster Management Programme (CDMP)
- Cyclone Preparedness Programme (CPP)
- Bangladesh Metrological Department (BMD)
- Space Research and Remote Sensing Organization (SPARRSO)
- Armed Forces Division (AFD)
- Flood Forecasting and Warning Centre (FFWC)
- Institute of Water Modelling (IWM)
- Department of Environment (DOE)
- Fire Service and Civil Defence (FSCD)
- Bangladesh Agricultural Research Council (BARC)
- Department of Agricultural Extension (DAE)
- Center for Environmental and Geographic Information Services (CEGIS)





Organizational/Institutional Development

- Strengthening MoDMR and other 12 core ministries by CDMP
- Updating legal and Institutional framework, i.e. DM Act, NPDM, SOD etc.
- Strengthening of local disaster response mechanism – by Organizational Development of Institutions like DDM
- Capacity enhancing project for CPP
- Strengthening of local government Institutions for DM
- Identification of an DRR Institutes/ Organizations which will provide a platform for maintaining the data base of vulnerability in their sector of work and also a co-ordination platform
- Tapping on the resources under Corporate Social Responsibility
- Tapping on the potential of religious Organizations and sensitizing their Heads





CDMP

CDMP supports to implementation of :

- Capacity building in Education, research, training activities and disaster drills;
- Partnership development among the DRR stakeholders;
- Community development through public awareness and participation;
- Development of Urban Community Volunteerism- Trained 18000 urban Volunteer.



CYCLONE PREPAREDNESS PROGRAMME (CPP)

CPP covers the areas of 13 districts with 49215 unpaid volunteers and maintaining high level of efficiency.

- ✓ Basic Training on disaster management
- ✓ First aid Training
- ✓ Search & Rescue Training
- ✓ Leadership Training
- ✓ Warning and Signal Dissemination
- ✓ Sheltering.





Education and Research

- Inclusion of DRR into the curriculum in primary and secondary schools since 2004.
- 39 text books and 10 new supplementary books for teaching to enhance children's understanding of disaster preparedness.
- Teaching disaster preparedness by rhymes and stories.
- Graduate disaster management programme since 2009
- In the Education Policy, 2010, Disaster preparedness is cited as a core area.
- In 2012, 1,500 master's degrees in disaster management were awarded.
- Earthquake drills at 70,000 primary and secondary schools twice a year.
- Providing more than 1,500 copies of DRR and CCA reference textbooks.
- Informal Education by NGO
- Grants for DRR centric Research initiatives
- Policy for accreditation of all disaster management/DRR related technical courses being organized at DDM, CDMP, CPP & outside.





Earthquake Drills




শিক্ষক সাহায্যিকা

ভূমিকম্পের ঝুঁকিহ্রাসে
স্কুল পর্যায়ে নিরাপত্তা ও নিরাপদ
স্থানে গমন মহড়া

দিনের বেলায়
ঘটেছে
এমন ভূমিকম্পের
ক্ষয়ক্ষতি পর্যবেক্ষণ
করে দেখা গেছে
সবচেয়ে বেশি
প্রাণহানি ঘটে
স্কুলগুলোতে

সার্বিক দুর্ঘটনা ব্যবস্থাপনা কর্মসূচি (সিডিএমপি)
খাদ্য ও দুর্ঘটনা ব্যবস্থাপনা মন্ত্রণালয়
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার




International Strategy for
Disaster Reduction

Asian Conference on Disaster Risk Reduction, 2014
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Training

- Training for the members of Disaster Management Committees at national and local levels
- Arrange training Govt. officials along with NGO officials, public representatives, local leaders, teachers and religious leaders.
- Compulsory to keep 02 hours sessions on disaster management in the training curriculum of all types of Training Institutes.
- Mainstreaming DRR training into other sectors (prioritised sectors Health, Revenue, Rural Development, Education, PRI/ Local Bodies
- 6,000 students received DRR training.
- Rolling out trainings for civil defense, CPP volunteers and Urban volunteers
- Exposure Visits –National/ International
- Centre of Excellence for each sector
- Quality & Accreditation of DM trainings (short term) being imparted.





Trainings Activities

- National level workshop
- Divisional level workshop
- District level workshop
- Thana level workshop/orientation course
- Course for DCs, ADCs and DRROs
- Union level orientation course/workshop
- Orientation course for UP Chairman
- TOT course
- Workshop for Representatives of Mass Media
- Team Building Workshop
- Seminar on Earthquake
- Training course for Union Parishad Secretaries
- Orientation course for Fishermen Community
- Orientation on early dissemination of signal
- Workshop for TNOs, PIOs & others





Public Awareness

- Carrying out the media campaign/interventions
- ToT module for journalist's for disaster reporting
- Design and launch the National Mass Media Campaign
- Promoting research on use of electronic media for mainstreaming DRR
- Functionality of an operational desk in all nodal departments at all levels for authentic flow of information from Government to Media
- Strategy to standardize IEC multi-media material's at all levels national, state and district
- Focus on Social networking sites
- Sound and Drama relevant to disaster.





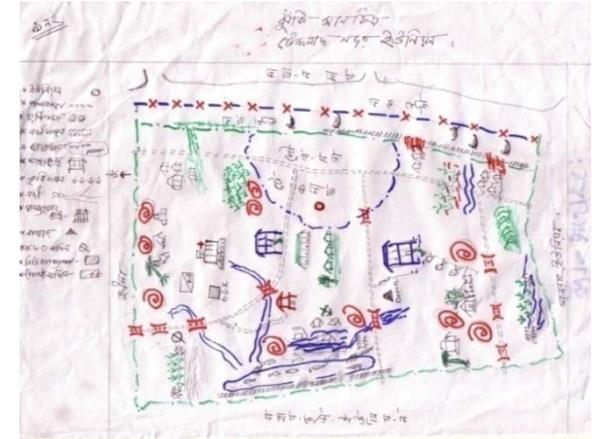
Public Awareness Activities

- Awareness through volunteers' Contact
- Cyclone and Earthquake drills and demonstrations
- Film/video shows
- Publicity campaign
- Posters/leaflets/booklets
- Folk song on cyclonic storm
- Public & volunteers Rally
- Training / Seminar/Workshop for Volunteers, Government, Non-Government officials / Community Peoples





Community Risk Assessment (CRA) Process





International Partners & NGO efforts to Develop HRD

- UNDP 
- JICA 
- ADRC 
- ADPC 
- AusAID 
- UK Aid 
- DFID 
- WFP 
- RED CROSS
- Red Crescent
- ProshiKa
- Action AID
- CARE
- Karitas
- NARRI





Human Resource Mobilization System

MoDMR



Department Of
Disaster
Management

DC Offices



UNO Offices and
Union Parishad



FIELD





What Made the Difference

- ✓ Improvement of disaster risk reduction measures including early warning system through CBS & IVR and E-learning
- ✓ Training on active leadership role in the field level Disaster Management Committees
- ✓ Building Community awareness to use the Cyclone and Flood shelters
- ✓ Training for 18000 Urban Volunteers.
- ✓ Training for Cyclone Preparedness Programme (CPP) 49,000 volunteers.





Bangladesh: The Good Practices

- Celebration of IDDR in the all levels
- Professionalizing the DM system – inclusion of disaster education curriculum at primary, secondary and tertiary levels
- Budget for Training in development project
- Institutional and Community based campaign, drills & training
- Community based mapping and contingency planning
- Information sharing through DMIC network from central to community level
- Unpaid volunteerism both in urban and rural communities
- Mass media campaign and advertising
- NGO participation to arrange seminar, workshop and symposiums.





Human Development Challenges

- Dissemination of Early warning and forecasting
- Earthquake preparedness and and post-Earthquake response.
- Expansion of disaster management information network
- Strengthening linkage with regional and international organizations involved in DRR in line with HFA.
- Technological up-gradation to development process





Thank You

