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

<table>
<thead>
<tr>
<th>Year</th>
<th>Disaster</th>
<th>Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>Cyclone</td>
<td>300,000</td>
</tr>
<tr>
<td>1988</td>
<td>Flood</td>
<td>2,373</td>
</tr>
<tr>
<td>1988</td>
<td>Cyclone</td>
<td>5,704</td>
</tr>
<tr>
<td>1991</td>
<td>Cyclone</td>
<td>138,868</td>
</tr>
<tr>
<td>1996</td>
<td>Tornado</td>
<td>545</td>
</tr>
<tr>
<td>1997</td>
<td>Cyclone</td>
<td>550</td>
</tr>
<tr>
<td>1998</td>
<td>Flood</td>
<td>918</td>
</tr>
<tr>
<td>2004</td>
<td>Flood</td>
<td>747</td>
</tr>
<tr>
<td>2007</td>
<td>Flood</td>
<td>1,071</td>
</tr>
<tr>
<td>2007</td>
<td>Landslide</td>
<td>129</td>
</tr>
<tr>
<td>2007</td>
<td>Cyclone (SIDR)</td>
<td>3,406</td>
</tr>
<tr>
<td>2009</td>
<td>Cyclone (‘alia)</td>
<td>190</td>
</tr>
<tr>
<td>2012</td>
<td>Landslide</td>
<td>119</td>
</tr>
<tr>
<td>2012</td>
<td>Cyclone (Mahasen)</td>
<td>14</td>
</tr>
</tbody>
</table>
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
Ministry Of Disaster Management & Relief
Government of the People’s Republic of Bangladesh

DISASTERS

Asian Conference on Disaster Risk Reduction, 2014
4-6 March 2014, Shinagawa Prince Hotel, Tokyo, Japan
Cyclone Devastated Area
**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.
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 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
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 Parisad 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
Public Awareness Posters/Leaflets
Community Risk Assessment (CRA) Process
International Partners & NGO efforts to Develop HRD

- UNDP
- JICA
- ADRC
- ADPC
- AusAID
- UK Aid
- DFID
- WFP
- RED CROSS
- Red Cresent
- 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 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