Areas of Capacity Development and Disaster Information Management in Nepal

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Source: MoHA, NPC and Different Agencies
Outlines of Presentation

- Major Disaster incidents
- Legal and policy frame
- Initiations
- Gaps, Challenges and areas for supports
- Photos
Asia Pacific region
Nepal is disaster prone due to

- Difficult Geological Terrain
Effect

Fig. 1
Disaster incidents 1971-2012 (Number 23391)

- **EPIDEMIC**: 2603
- **LANDSLIDE**: 3446
- **FLOOD**: 390
- **FIRE**: 1403
- **THUNDERBOLT**: 140
- **ACCIDENT**: 1000
- **EARTHQUAKE**: 390
- **COLD WAVE**: 105
- **STRUCTURE DAMAGE**: 389
- **OTHERS**: 105
- **BOAT ACCIDENT**: 140

Total incidents: 23391
Disaster incidents 1971-2012 (Loss of Human life 31908)
Nepal’s vulnerability to natural hazards

- 20th Position in disaster risk zone in the world (UNDP)
- 6th to climatic change hazards (UNDP-2004 “Reducing Disaster Risk”)
- 30th in terms of floods: water prone disaster (UNDP / Bureau for Crisis Prevention & Recovery-BCPR, 2004)
- Kathmandu, most vulnerable city of the world.
Existing Regulations, Policies and Procedures

- Natural Calamity (Relief) Act, 1982
- Local Self Governance Act and Regulation 1999
- National Strategy for DRM 2009
- Disaster Victims Relief Standard, 2006
- Sector specific policies and plans, Mainstreaming
- National Disaster Response Framework Endorsed by Cabinet
- Disaster Preparedness and Response Plan in all 75 Districts
- National Disaster Management Act, NDMA (Proposed)
Information, Management and Rescue

- Ministry of Home affairs, Focal Ministry to DRM - Coordination (Ministries, UN Cluster, I/NGOS)

- Policy Making/Recommendations – CNDRC

- Rescue and Relief - DDRC Coordinate

- Operation of Emergency Operation Centre, NEOC - Communication and Networking

- Central Natural Disaster Relief Fund at MOHA and Prime-Minister Disaster Relief Fund at OPMCM at Government level
Activities During Disaster

- Search and Rescue Activities,
- Immediate Relief and Response
- Access of Losses and Damages
- Temporary Shelter and Arrangement, Camp Management
- APF, NA and NP as a First Responders
- Task Force are formulated for USAR
- INSARAG and UNDAC
Five Flagship, Gov Priority

• FS1 - School and Hospital Safety
• FS2 - Emergency Preparedness to Response
• FS3 - Koshi Flood Management
• FS4 - Community based Disaster Management
• FS5 - Policy and Institution Support
Institutional Framework (in line with 1982 Act)

Cabinet
(Policy, Budget, Emergency Declaration)

Central Natural Disaster Relief Committee
(chaired by Home Minister)
(Coordination, Response, Rescue, Relief)

Regional Natural Disaster Relief Committee
Chaired by Regional Administrator

District Disaster Relief Committee
Chaired by Chief District Officer
(Execution, Rescue & Relief, Data collection)

Rescue and Treatment Sub-Committee
Chaired by Minister of Health and Population
Supply, Shelter and Rehabilitation Sub-Committee
Chaired by Minister of PP&W

National EOC
Regional EOC
District EOC
Coordination Structure during Mega Disasters

Central Natural Disaster Relief Committee (CNDRC)

NEOC/LEMA

Multi-National Force Coordination Center (MNMCC)

On Site Operations Coordination Center (OSOCC)

Clusters

International Responders

UN Agencies Funds & Programme

Red Cross Movement

Civil/ Private Sectors
National Initiations

- Comprehensive Disaster Risk Management Programme (CDRMP) support, online information
- Early warning system is developed in 25 districts to maintain coordination between NEOC and DEOC.
- Disaster Management Authority is purposed in new Act with coordination role as a central agency
- NPC is initiated Disaster Information Management System focusing on research, literatures and evaluation works and Mainstreaming Disaster.
National Initiations Contd…

- Preparation of fire Strategy
- Initiation of Disaster SWAP.
- Awareness programme and implementation of building code.
- Initiations on Long term vision and Mainstreaming of Disaster management contributes to strengthen the Information system.
Initiations for water induced and climate change disaster

- Climate Budget code is approved.
- Preparedness is initiated to GLOF-Preparedness for possible Risk and Outlet of water from Lake
- LAPA is also in action
Longterm Vision for Disaster Management

Thirty years Workplan (Karya Sunchi) for Disaster and Climate prone Risk Management considering the Hyogo Framework 2005-2015 prepared in Nepal
Short term Programme, 2014-2018

1. Policy frame and institutional arrangement.

- Formulation of disaster management policy.
- Formulation of disaster management act and regulation.
- Revision of disaster management strategy.
- Institutional arrangement of disaster management at local level.
2. **Main streaming for disaster mitigation.**

- Formulation of integrated guidelines.
- Preparation of national work plan.
- Adoption of disaster and climate sensitive issues in planning process.
- Preparation of guideline for community based disaster management and climate
3. Preparation for disaster response

- Review of disaster response plan
- Preparation of search and rescue strategy.
- Preparation of pre-information system.
- Issues of inter relation and coordination.
- Preparation resource mobilization guideline.
- Preparation of knowledge enhancement and capacity building guideline.
- Development of monitoring evaluation indicators.
Medium term Programme, 2018-2028

- Review and revision of polices which are prepared in first stage.
- Investment policy for disaster and climate prone risk.
- Standard for implementation of humanitarian support according to international standards.
- School safety policy.
- Preparation of hazard map.
- Expansion of community base disaster management.
- Development of tools for disaster impact evaluation I development projects.
- Policy for external support for disaster and climate prone risk management.
- Policy for the involvement of private sector in disaster management.
- Disaster sensitive land use and housing policy.
Long term Programme 2028-2043

- Review and the revision of short term and medium term polices and programmes.
- Implementation of building code all over the country.
- Institutional strengthening.
Disaster Information Management through Mainstreaming

Mainstreaming and impact evaluation in sectoral planning process

1. Identification of Disaster causes
   - Natural and human causes

2. Preparation disaster map
   - Geographical, social and cultural

3. Disaster Appraisal
   - Continue

4. Impact evaluation
   - Human, physical and economical

5. Disaster mitigation plan
   - Preparedness programmes for mitigation

6. Plan Implementation
   - Involvement of community

Perodic and Annual plan formulation
Lacunas

- Lack of proper coordination between different agencies
- Weak monitoring system.
- Response is satisfactory, preparedness is very weak.
- Glacier lakes are being new challenge, No proper pre-information system
- Lack of awareness and less priority to the disaster preparedness
- Absence of Permanent Central agency
- Lack of community awareness.
Challenges

- Timely and proper information
- USAR Capacity
- Disaster Management Act and Authority
- Relief and Response Expectation
- Preparedness and Mitigation
- Mobilization of Stakeholders and Resources
- Expedite the Flagship Areas
- Mobilization of NDRF
- Challenging circumstances
Supports Towards improve DM in Nepal

- Urban Search and Rescue, Implementation of USAR Strategic Action Plan
- Skills for First Responders
- Local Emergency Management Authority (LEMA) Capacity
- Establishment and operation of On-Site-Operation Coordination Centre (OSOCC)
- Strengthen Fire Services
- Preparation of roster of Trained Persons
- Management of 83 Open Spaces
Supports Towards improve DM …

- Equipments and tools for Rubble Removal in Mega Disaster
- Permanent National Operation Action (NOAC) Committee is needed.
- Partnership with APDIM to implement Long term vision.
- Seismic micro zoning
- Technical support for mainstreaming in planning process.
- Support in community awareness and community owned Disaster management through Social Mobilization
- Support to implement the National Disaster Response Framework
Flood in Darchula
Accident
Main Incidents of Earthquakes in Nepal

- Historically 1255, 1260, 1408, 1681, 1767, 1810, 1823, 1833, 1934, 1988, 2011, are the main incidents of earthquakes in Nepal.
Earthquake 1934
Kathmandu
Unplanned Settlement
Earthquake Risk in Kathmandu
Poor construction practices
Let Us Join Hands for Disaster Management