Existing Institutional Arrangements for Rapid Damage Assessment - NEPAL

Sunil Karki
Inspector of Nepal Police
Background Information of Nepal

• Location:- 26° 22’- 30° 27’-north , 80° 4’ – 88° 12’- south
• Area:- 147181 square km.
• Population:- 30 million
• Religion:- Hindu, Buddhist, Islam, Christian
• Government System:- Federal Democratic Republic
  - 7 province
  - 77 Districts
  - 753 local units

Capital City:- Kathmandu
• In top 11\textsuperscript{th} position regarding Earthquake risk.
• In top 30\textsuperscript{th} position regarding flood/landslides risk.
• In top 25\textsuperscript{th} position regarding global warming.
• Kathmandu 1\textsuperscript{st} most vulnerable city in the world.
Nepal is disaster prone due to

- Difficult Geological Terrain
- Unplanned settlement
- Poor construction practices
- Cultivation of unsuitable land

Nepal lies in Seismic Ridge between Tibetan and Indian Plates
National Emergency Response Mechanism

1. UN Resident / Humanitarian Coordinator
   - UNDAC / USAR teams
   - Clusters Activated
   - INGOs & others

2. GON Declares Disaster Emergency (area, time)

3. Executive Committee meeting
   - Government Agencies
   - Local NGO’s

4. MoHA/NEOC
   - Situation Analysis (CDO/DEOC, PDMC, DDMC, LDMC)

5. International Appeal

The National Emergency Response Mechanism involves a series of coordinated actions and activations to respond to disasters: from the declaration of a disaster emergency by the Government, to the activation of international appeals, and the involvement of various agencies and organizations to manage the situation.
National Emergency Operation Centre (NEOC)

- **Normal Phase**
  (Preparedness & IM)

- **Alert Phase**
  (keep alerts agencies and authorities for an imminent emergency)

- **Response Phase**
  (leads coordination and communication for response)

- **Recovery Phase**
  (Coordinate Early Recovery efforts)

NEOC Activation from level 1 to 4
<table>
<thead>
<tr>
<th>Activeness Level</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component</td>
<td>Officials and bodies for providing guidelines and advising</td>
<td>Joint Secretary, Disaster Management Department, Ministry of Home Affairs (MoHA)</td>
<td>Secretary, Ministry of Home Affairs</td>
<td>Executive Committee/Minister, Ministry of Home Affairs</td>
</tr>
<tr>
<td></td>
<td>Leadership of the center</td>
<td>Chief, NEOC</td>
<td>Joint Secretary, Disaster Management Department, Ministry of Home Affairs</td>
<td>Secretary, Ministry of Home Affairs</td>
</tr>
<tr>
<td>Nature and Impact of Disaster</td>
<td>Local level</td>
<td>District level</td>
<td>Provincial level</td>
<td>National level (Declaration of emergency)</td>
</tr>
<tr>
<td>Example</td>
<td>Heavy monsoon rain and forecast of weather and Taplejung Fire 2014</td>
<td>Sindhupalchowk Jure Landslide, 2014</td>
<td>The then Mid-Western (Surkhet, Banke, Bardiya and Dang) Flood, 2014</td>
<td>Gorkha Earthquake, 2015</td>
</tr>
</tbody>
</table>
# Activation of Cluster

<table>
<thead>
<tr>
<th>Cluster</th>
<th>lead/co-lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAR and Logistics Cluster</td>
<td>MOHA /WFP</td>
</tr>
<tr>
<td>Health Cluster</td>
<td>MOHP /WHO</td>
</tr>
<tr>
<td>WASH</td>
<td>MOUD/ Unicef</td>
</tr>
<tr>
<td>Nutrition Cluster</td>
<td>MOHP/Unicef</td>
</tr>
<tr>
<td>Emergency Shelter Cluster</td>
<td>MOUD/ IFRC</td>
</tr>
<tr>
<td>CCCM Cluster</td>
<td>MOUD/IOM</td>
</tr>
<tr>
<td>Food Security Cluster</td>
<td>MOALD/WFP</td>
</tr>
<tr>
<td>Education Cluster</td>
<td>MOEST/ Unicef</td>
</tr>
<tr>
<td>Protection Cluster</td>
<td>MOWCSC/UNFPA</td>
</tr>
<tr>
<td>Emergency Telecommunication</td>
<td>MOCIT/WFP</td>
</tr>
<tr>
<td>Early Recovery Network Cluster</td>
<td>MOFAGA/ UNDP</td>
</tr>
</tbody>
</table>

Specific Ministries are assigned for the procurement of relief items.

- Tarpaulin
- Food Items
- Dry Food
- Health related equipment
- Import of relief items
- Management of heavy equipment
- Medicine
- Shelter coordination
• 84 trained ACT(Assessment Coordination Team) members are listed in DRR Portal who will be deployed for Initial Rapid Assessment in the first stage within 24 hrs.
• On the basis of the data collected by these trained members, the government provides the basic aid to the victims of the disaster.
Institutional Linkage Framework

DRRM National Council-Headed by PM
(National Policy, Budget, Monitoring. Emergency Declaration-by cabinet)

Executive Committee
(Headed by Minister for Home Affairs
National Policy Recommendation and Action)

National Disaster Risk Reduction and Management Authority
(Headed by Chief Executive;
Mau also act as Incident Commander)

Provincial Disaster Management Committee
(Headed by CM)
(Mid-term and Short-term Planning, Action, Monitoring and Co-operation and Co-ordination including SAR)

District Disaster Management Committee
(Chaired by Chief District Officer)
(District level preparedness and response plan and implementation)

Local Disaster Management Committee
(Chaired by Head of Local Government)
(Local level Disaster Management)

Committee of Experts as needed
National Institution for Resource and Technology
Provincial EOCs
District EOCs
Local EOCs

Funding Mechanism:
Central Disaster Management Fund
Provincial Disaster Management Fund
Local Disaster Management Fund
Disaster Management Framework

- National Council For Disaster Management:-
- Central Disaster Management Committee:-
  - NEOC (National Emergency Operations Centre) :-
    the central coordination and communication point for disaster information.
  - It is established under Minister of Home Affairs under the leadership of Disaster Management Framework
- Regional Disaster Management Committee:-
- District Disaster Management Committee:-
  - DEOC(District Emergency Operating Center):-
  - So far there are 42 DEOC’s established as per the provision in Disaster Risk Reduction
Emergency Operation Centers

 Ministry of Home Affairs
National Emergency Operation Center
Nepal

Network of Emergency Operation Centers (EOCs) in Nepal

Legend

- Province Boundary
- EOC
  - NEOC
  - REOC
  - DEOC
  - Non-EOC
  - MEOC

Map Data: Department of Survey

1 NEOC
5 REOC
49 DEOC
1 MEOC
1 HEOC
Early Warning Systems

Basin and Station count

1. Mahakali (2)
2. Karnali (32)
3. Babai (12)
4. West Rapti (10)
5. Narayani (27)
6. Bagmati (20)
7. Kamala (8)
8. Koshi (38)
9. Kankai (7)
10. Biring (1)

Source: hydrology.gov.np
National Coordination Mechanism

Executive Committee at Ministry of Home Affairs

NEOC/PEOC and other EOCs

Several Military Forces coming from aboard (MNMCC)

On Site Operations Coordination Center (OSOCC)

SAARC

IASC/Clusters

International Responders

UN Agencies Funds & Programme

Red Cross Movement

Civil/Private Sectors
National Guidelines

- Disaster Risk Reduction and Management Act 2017
- Local Government Operation Act, 2017
- National Strategic Policy 2018
- National DRR Strategic Action plan 2018-2030 based on Sendai Framework
- National Disaster Response Framework (NDRF)
- SAR based strategic action plan 2014 (Need to be revised)
- Annual Response Plan
Monetary Relief to Victims

- Up to Rs. 50,000 for fully destroyed house from district level and Additional Rs. 50,000 from Central level.
- Rs. 10,000 for immediate relief
- Rs. 100,000 to each family that has lost lives
- Free medicine and treatment at Government Hospitals and travel costs
- Some Amounts are provided by Local Governments too.
- Relief Based on special decisions
An earthquake of 7.6 Ml, 7.8 Mw struck with epicentre around Barpak, Gorkha District (40 Second Strong Shaking) at 11:56 local time on April 25, Saturday

Several aftershock felt, including 6.9 Ml on 26 April and 6.8 Ml on 12 May; the total number of aftershock of greater than 4.0 Ml is more then 350 (to-date)

The tremor was felt all over Nepal, and in Tibet, Sikkim, Bihar, Utter Pradesh and Delhi

Created devastating impact in the Kathmandu Valley and other more than 30 districts of the country

After 1934, this was the most devastating quake (after 82 yrs) that the present generation has experienced

Total Death: 8,970 (In-valley: 1,750, Out-valley: 7,220)

Injured: 22,309

House Destroyed: 7,73,095, Damaged: 2,98,998

SAR Supporting Countries: 34, Saved lives: 19

Gross Loss: NPR 881 Billions (Arba)
Thank You !