Impacts of Mega-Earthquake 2015: Nepal’s Efforts on Rebuilding & Recovery

Dr. Bishnu B. Bhandari
Member
National Reconstruction Authority

FIG Work Week, 2-6 May 2006, Christchurch, New Zealand
Mega Earthquake of 2015
Destructions in Rural Area

Khadichaur, Sindhu Palchok
Destructions in Urban Area
Destructions of Infrastructures

1. Dharahar Tower
2. Cracks in City Road
3. Durbar High School
4. School in Gorkha
Vital Statistics on Damage & Loss

Human Loss
- Casualties = 8,790
- Potential Year of Life Lost (PYLL) = 3,100 (ICIMOD)
- Injured = 22,300
- Missing = 300
- Displaced = 100,000 (ICIMOD)
- Population = 8 million (affected)

Structures
- Structures = 769,693
- Classrooms = 31,000

Livelihood
- Home-based work place = 74,500
- Small & Cottage Industries = 57,308
- Livestock = 59,000
- Birds = Over 5 lakh
- Small Irrigation = 1800
- Damages of countless factories/infra

Severity of Impacts by District

Categorization of Affected Districts
- Severely Hit
- Crisis Hit
- Hit with Heavy Losses
- Hit
- Slightly Affected
The Build Back Better Approach
Initial Works

- Emergency rescue, response & search
- PDNA (Post Disaster Needs Assessment) contains loss and damages and total cost sector-wise prepared. 6.69 billion US $ needed for reconstruction.
- National Planning Commission designated as responsible organization.
- Formation of National Construction Authority (NRA)
What NRA has done in 4 months?

1. Affected household surveyed in 11 districts: 3,19,912 beneficiaries identified from about 400 villages. 1600 engineers involved

2. Reconstruction Policy already in place. Others includes
   - Grant distribution procedures
   - Environmental Impact Assessment
   - Land Acquisition & Land Distribution Procedure
   - Procurement Procedure
   - NGO mobilization
What NRA has done in 4 months?

3. Grants distributed to 6000 household and it is simultaneously going on in 11 districts.

4. Set up of PIUs in 3 ministries, budget allocated to those ministries

5. Recruitment of 2,700 engineers for each village. 1100 engineers already sent to villages.
What NRA has done in 4 months?

6. Course content prepared for training social mobilizers, mason workers. Now the course is being pre-tested.

   - Based on PDNA
   - 5 year framework of programs of sectoral ministries and areas
   - Answers 5W’s2H’
   - Short, medium & long-term plans
### Funding Allocation by Source

(Total Estimate = US $ 8.2 Billion)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Domestic Revenue</td>
<td>1.35</td>
</tr>
<tr>
<td>External Aid</td>
<td>1.20</td>
</tr>
<tr>
<td>(Pledged US$ = 4.10)</td>
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<tr>
<td><strong>Sub-total</strong></td>
<td><strong>2.55</strong></td>
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**Total =8.2 billion**

Source: PDRF, 2016

**Note:**

1. In case of external aid, only 29% of the pledged money available. 71% is yet to be committed.
2. Of the total estimate of 8.2 billion, only 31% is available. About 69% is yet to be committed.
Earthquake Resistant Shelter
Shelter Construction

- Houses should be built by owners themselves
- 17 types of drawings + Checklist for RCC building and Indigenous houses.
- Structures should be resistant to earthquake
- Grant is given in 3 installments
- Government provides technical support, subsidized construction materials & others
- Integrated relocation planning
National Reconstruction Authority (NRA) is responsible for oversight, monitoring, catalysis & coordination.
Forms of Livelihood
(1) Orphans

(2) Post Traumatic Stress

(3) People with Disability

(4) Person who lost spouse

(5) The Elderly People

(6) Injured

(7) Damaged Animal Shelter
(7) Souvenir
(8) Wood Carving
(9) Paper Making
(10) Pottery
Livelihood Options

- Employment
- Social Protection
- Engagement

Dignified Livelihood
Social Protection

1. Single Woman
2. Orphans
3. Elderly Person
4. Injured
5. The disadvantaged
6. Dalit
7. Janjati
Major Areas of

1. The intricacy of land-shelter-livelihood nexus
Some Problems

1. Blending effectively Science + Culture + Geography.
2. Banking system, not easy & not accessible
3. The position of village secretary vacant
4. Enrollment procedure itself cumbersome
Your suggestions are welcome.

Thank you