26th April 2018

Accelerating Housing Reconstruction by Community Mobilization Program

NRA CLPIU (Building)
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1. Housing Reconstruction Outline
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Overall Goal
To contribute for sustainable socioeconomic growth in the area damaged by the earthquake, and for “Build Back Better”

Project Purpose
To recover and improve housing environment for disaster victims through provision of government grant to reconstruct the house in accordance with earthquake resistance standards

Technical Assistance Purpose
To support household to build earthquake resistant house
1. Housing Reconstruction Outline

2) Agreed Target Area with JICA (former VDC)

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<tr>
<th>District</th>
<th>Number</th>
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<tbody>
<tr>
<td>Sindhupalchok</td>
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1. Housing Reconstruction Outline

3) Housing Reconstruction Progress up to March 2017

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1. Housing Reconstruction Outline

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- Minimum Requirement and Inspection sheet : Nov 2016
1. Housing Reconstruction Outline

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- Minimum Requirement and Inspection sheet : Nov 2016
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However, reconstruction start rate was as low as 21.3%*（Mar 2017）
Reason: Insufficient money, Insufficient mason, Expensive construction materials

Direct support by Community Mobilization Program

* Source: sample survey of 10VDC conducted by JICA
2. Community Mobilization Program (CMP)
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1) Contents of CMP

- **Orientation** for Community Based Reconstruction Committee (CBRC)
- **Community Meeting** for all the house owners
- **Technical Assistance by Mobile Mason** selected at the each community to house owners and unskilled labors
2. Community Mobilization Program (CMP)

1) Contents of CMP

- **Orientation**
  for Community Based Reconstruction Committee (CBRC)

- Learn how to facilitate the community to build earthquake resilient houses (Build Back Better)

Reconstruction Plan for the community
2. Community Mobilization Program (CMP)

1) Contents of CMP

- Not received the second tranche
- Not yet started the reconstruction
- Already finished the reconstruction

- Technical Assistance by Mobile Mason selected at the each community

- Community Meeting for all the house owners
- Orientation for Community Based Reconstruction Committee (CBRC)
- Reconstruction Action Plan

- Solve the problems by group (mutual support)
- Share the importance of earthquake resilient house (Build Back Better)
2. Community Mobilization Program (CMP)

1) Contents of CMP

- Building earthquake resilient house (Build Back Better)

Technical Assistance by Mobile Mason selected at the each community to house owners and unskilled labors

Arrangement plan made by Mobile Mason
2. Community Mobilization Program (CMP)

2) Why is CMP necessary?

Original issue

• Low reconstruction start rate

  Reason: Insufficient money, Insufficient mason, Expensive construction materials
  
  ➢ Make the reconstruction plan, workers working plan and material procurement plan with Mobile Mason and reduce reconstruction cost
  ➢ Call workers from other place
  ➢ Purchase construction material in bulk and reduce the cost

  Make the group by tole (location) or reconstruction status and solve the problems jointly in the community by mutual support

* Source: sample survey of 10VDC conducted by JICA
2. Community Mobilization Program (CMP)

2) Why is CMP necessary?

Additional issues found during CMP implementation

- **Lack of proper communication**
  
  House owners were not fully aware of housing reconstruction procedure (Requirement for housing grant, deadline, application for grievance, building permit, right of way, etc.)
  
  - CBRC members disseminated the information through community meeting and all the house owners got common understanding

- **Peculiar problems in the community**
  
  House owners had no idea how to solve the problem such as Lack of water resources, lack of masons or carpenters, scarcity of construction material (wood, aggregates, etc.), etc.
  
  - Solve the problem by the community together since it is not individual but collective problem
3) Success Story

Assistance to Vulnerable People in Reconstruction Work

**Issue:**
The elderly person (85 years old) could not get support from the community and had no idea how to start the reconstruction.

**Action:**
CBRC members and mobile masons started supporting the reconstruction for 1-2 hours a day voluntarily.

**Effect:**
House is completed up to the plinth level based on Minimum requirement
2. Community Mobilization Program (CMP)

3) Success Story

Purchase of construction material in bulk

**Issue:**

The beneficiaries couldn’t procure materials and start the reconstruction due to financial difficulties.

**Action:**

Community peoples purchased materials in bulk and the cost was discounted.

**Effect:**

Every house owner saved around *NPR40,000/house* through the collective procurement.

Thulo Sirubari VDC, Narayan Devi CBRC

*House has two rooms, attic and a toilet. House structure is BMC. Cost is indicated at rough estimate.*
2. Community Mobilization Program (CMP)

3) Success Story

Purchase of construction material on credit

Issue:
The beneficiaries couldn’t start the reconstruction due to financial difficulties. Therefore, the reconstruction start rate in the community was 5.5% as of September 2017.

Action:
Mobile Mason took the lead in facilitating the procurement of construction material. He convinced the supplier to provide construction material for the beneficiaries on credit.

Effect:
The reconstruction start rate in the community increased up to 88.5% as of April 2018.
1. Housing Reconstruction Outline

4) Consultant organization structure

Central
- 14 Central Staffs

District
- 14 District Staffs

Cluster
- 10 Senior Engineers
- 47 TA teams (1 team/1 VDC)
- 47 Engineers and 47 Social Mobilizers

Field
- 542 CBRCs
- 548 Mobile Masons

- Total: 54,443 Beneficiaries

- Total Staffs: 682
3. Housing Reconstruction Status up to date
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Agreed Target Area with JICA (former VDC) – Time Series

Overall Housing Reconstruction Status – As of March

- 1st Tranche
- 2nd Tranche
- 3rd Tranche
- PA Signing
- Reconstruction Start
- Reconstruction Completion
- Reconstruction Start (1st CMP 4VDC)
- Reconstruction Start (2nd CMP 21VDC)
- Reconstruction Start (Non CMP 22VDC)

Jul 2018
Deadline of 2\textsuperscript{nd} tranche

Jan 2019
Dead line of 3\textsuperscript{rd} tranche and CMP completion
3. Housing Reconstruction Status up to date

**District**

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<th>District</th>
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<th>2nd Tranche</th>
<th>3rd Tranche</th>
<th>PA signing</th>
<th>Reconstruction Start</th>
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*Note: The chart shows the housing reconstruction status for different districts, with various stages of progress indicated.*
4. Challenges from now on
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- **HHs who don’t start reconstruction**
  Living outside of the community, marginalized beneficiary, etc.
  - Identify those who will not reconstruct the houses
  - Intensive mutual support

- **Lengthy process to receive Housing Grant**
  Reconstruction suspended due to delayed housing grant distribution and low bank capacity, etc.
  - Accelerate Housing Grant distribution through monitoring of inspection and payment status

- **Further quality control**
  Quality control on horizontal band, vertical reinforcement, correction, hybrid structure, etc.
  - Intensive technical assistance by Mobile Mason
  - On the job training to untrained Mason
  - Correction/Hybrid refresher training to DLPIU Engineer and Mobile Mason
5. Conclusion
5. Conclusion

- **Synergy of Public Support and Mutual Support**
  
  Community Mobilization Program (Mutual Support) complements the government housing reconstruction program (Public Support) and accelerates housing reconstruction.

- **Expansion of Community Mobilization Program**
  
  It is practical to expand Community Mobilization Program to other area with low progress even beyond JICA target area.

- **Sharing of Successful Practices**
  
  In addition to Community Mobilization Program, the government seeks other successful practices to expedite housing reconstruction.
Thank you