Monthly Report
Monitoring and Evaluation of the Reconstruction Activities

Magh 2076
(A field based Monitoring Report Prepared by Monitoring and Evaluation Consultants from 14 affected Districts and CLPIU Central)

Submitted to

National Reconstruction Authority
Central Level Project Implementation Unit (Building)
Earthquake Housing Reconstruction Project (ERHP)
Babarmahal, Kathmandu
Abbreviations

ASE  Assistant Sub Engineer
CLPIU  Central Level Project Implementation Unit
CS  Census Survey
DPD  Deputy Project Director
DSE  District Support Engineer
Er  Engineer
ERHP  Earthquake Housing Reconstruction Project
GMALI  Grant Management and Local Infrastructure
GOS  Government Organizations
HHs  House Holds
HRRP  Housing Reconstruction and Recovery Platform
INGO  International Non-Government Organization
M & E  Monitoring and Evaluation
MIS  Management Information System
MM  Mobile Mason
MoFALD  Ministry of Federal Affairs and Local Development
MOUD  Ministry of Urban Development
MR  Minimum Requirements
MToT  Master Training of Trainers
MM  Mobile Mason
NBC  National Building Code
NGO  Non-Government Organization
NRA  National Reconstruction Authority
NRCS  Nepal Red Cross Society
NSET  National Society for Earthquake Technology
OJT  on the Job Training
PAF  Poverty Alleviation Fund
PD  Project Director
POM  Project Operational Manual
POs  Partner Organizations
REC  Retrofitting Technique and Correction/ Exception
SE  Sub Engineer
SM  Social Mobilizers
SeE  Senior Engineer
SOPs  Standard Operational Procedures
SM  Social Mobilizers
TCN  Training Center Nepal
ToR  Terms and References
ToT  Training of Trainers
TSP  Training Service Provider
VDCs  Village Development Committees
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Executive Summary

In most affected 14 Districts, out of 7,32,982 beneficiaries first tranche is received by 6,75,400 (92.25%), 584488 (71.07%), and 517551 (70.61%) have been verified for second and third tranche respectively (Details is shown in annex 2).

To accelerate the rate of reconstruction and retrofitting, follow up Meetings with Engineers, Observation of private housing, Coordination meeting in District DCC, Meeting with Palikas Representatives, Coordination meeting with POs, Observation POs Activities were done by M & E Consultants in different earthquake affected Districts were carried out.

The major activities which will play vital role for the effective reconstruction/retrofit as well as the capacity development of reconstruction human resources performed by M & E Consultants this month were as follows:

- Organized and participated in several Palika/Ward level meetings related to awareness creating about Retrofitting.
- Coordination and communication for Retrofitting Data and Individual Beneficiary reconstruction status data collection from ward level
- Organized meetings several times for hire and management of socio technical assistance team and to develop training curriculum.
- Continued the joint monitoring of private housing, training activities, inspection digitization, and the reconstruction activities of POs with HRRP in the districts.
- Follow up of Engineers for the progress of third inspection, inspection digitization and completion certificate.
- Participated in the different meetings related to MIS Issues, vulnerable support working group, retrofitting and Socio Technical Support.
- Planning coordination and conducted Social Mobilization trainings in Kathmandu, Lalitpur, Okhaldhunga, Sindhupalchowk Districts.

The detailed districtwise activity reports are presented in this monthly report as per the observations, case studies and interactions with Engineers and beneficiaries. Though the progress of reconstruction is very good and peoples are aware towards safer and better reconstruction of houses but the retrofitting is not going well as per expectation.

1. Introduction

1.1 Background

National Reconstruction Authority through Central Level Project Implementation Unit (Building) stationed at Babarmahal, Kathmandu is working through its District Level Project Implementation Unit (DLPlU) in inspection and certification of rural and urban housing built through owner driven approach and built back better concept, training mason and house owner and technician about earthquake Resistant Technology and supported at field level for safer construction. To regularize
the project there are DLPIU Engineers, Consultants and many more Partner Organizations to implement the Reconstruction activities very promptly.

CLPIU hired Monitoring and Evaluation Consultants one in Central and one for each two earthquake affected districts through Earthquake Housing Reconstruction Project (ERHP). The main function of Monitoring and Evaluation Consultants are to do the regular monitoring of all the activities of reconstruction and report to respective DLPIU and CLPIU regularly. The consultants will make monthly Work Plan and perform the activities accordingly and prepare the monthly report in line with Work Plan.

1.2 Objectives
The main objective of the assignment is to monitor and evaluate the training activities conducted by the CLPIU, DLPIUs and Other Partner Organization in earthquake affected districts as well as support NRA in monitoring and evaluation of owner driven housing constructed in affected district of NRA-CLPIU EHRP program. Except this other specific objectives are to:

- Support NRA-DLPIU for collection, consolidating report to NRA, NRA-CLPIU and other concerned agency for data, information related with owner driven housing construction, training activities.
- Support NRA-CLPIU/DLPIU in various activities as per POM and standard SOPs related with housing construction and Training activities.
- Support technical work such as reviewing M&E methods, carrying out training needs, designing M&E tools and advising M&E technical assistance.
- Monitor project progress through field visit, offer feedback and keep regular communication with related field and Centre level staff.

2. ACTIVITIES PLANNED

2.1 Activities That Were Planned For Magh
The following activities were planned for the month of Magh

2.1.1 Central/Dolakha and Ramechhap Districts
Magh 05-10 Daily work in CLPIU, Calculation and review of evaluation of Technicians. Planning and Preparation for STA Training.
Magh 12-17 Daily work in CLPIU, Telephonic communication with M & E Consultants-Districts and Technicians of Dolakha and Ramechhap Districts.
Magh 19-24 Field visit in STA Training Districts.
2.1.2 Sindhuli and Okhaldhunga Districts
Magh 01-14 Sindhuli District
Magh 15-29 Okhaldhunga District
Monitors the presence of E/SE/ASE monitoring and co-ordination meeting in Rural Municipality/Municipality & coordination meeting in respective Districts and Update MIS Data & CS Entry and also monitoring of POs activities, third inspection digitization also assist DLPIU for retrofitting data collection works.

2.1.3 Sindhupalchowk, Kavrepalanchowk and Bhakatpur District
Magh 1 - Working in DLPIU office of Bhaktapur District.
Magh 2-3 - Working in DLPIU office of Kavreplanchok District.
Magh 5 - Meeting with Technical persons of Bhaktapur Municipality of Bhaktapur District.
Magh 6 - Meeting with Technical persons of Madhyapur Municipality of Bhaktapur District.
Magh 7 - Meeting with Technical persons of ChanguNarayan Municipality of Bhaktapur District.
Magh 8 - Meeting with Technical persons of SuryaBinayak Municipality of Bhaktapur District.
Magh 9-10 - Working in DLPIU office of Kavreplanchok District.
Magh 12-17 - Working in DLPIU office of Sindhupalchok District.
Magh 19-20 - Field Monitoring in Melamchi Municipality of Sindhupalchok District.
Magh 21-22 - Field Monitoring in Helambu Rural Municipality of Sindhupalchok District.
Magh 23-24 - Field Monitoring in Helambu Rural Municipality of Sindhupalchok District.
Magh 26-29 - Working in DLPIU office of Kavreplanchok District.

2.1.4 Kathmandu, Lalitpur and Makawanpur Districts
Magh 01-05 Kathmandu District, Review progress, organize meeting with DLPIU chief, DSE and focal persons
Magh 06-10 Field visit at Kathmandu Metropolitan
Magh 12-13 Review of progress, organize meeting with DLPIU chief, DSE and Focal persons at Lalitpur district
Magh 14-15  Field visit at Lalitpur metropolitan
Magh 16-17  Field visit at Konjymsom R.M.
Magh 19-20  Working at DLPIU Makwanpur, review of progress, meeting with DLPIU chief, district support engineer, Telephonic conversation with engineers and ward chairs.
Magh 21-23  At DLPIU Lalitpur
Magh 24-27  Field visit at Manahari R.M. Makwanpur
Magh 28-29  Field visit at Bagmati R.M. Makwanpur

2.1.5 Nuwakot and Rasuwa Districts
Magh 1  Preparation of monthly plan and field reports
Magh 2  Attend program of Earthquake Safety Day and preparation of monthly report
Magh 3-5  Field Visit to Panchakanya R.M., Nuwakot
Magh 6  Phone Conversations with E/SE/ASE of Nuwakot and Rasuwa regarding field issues
Magh 7  Phone Conversations with E/SE/ASE of Nuwakot and Rasuwa regarding caseload, backlog and CS Entry
Magh 8-10  Field Visit to Tarkeshwor R.M., Nuwakot for meeting with retrofitting beneficiaries
Magh 12  Move to DLPIU Rasuwa
Magh 13-16  Field Visit to Uttargaya and Kalika R.M., Rasuwa
Magh 17  Meeting in DLPIU with Palika focal Engineers
Magh 19  Follow-up and phone conversations about retrofitting beneficiary status
Magh 20-24  Field Visit to Belkotgadi Municipality and meeting with retrofitting beneficiaries
Magh 26  Meeting with WB-TPMA in Nuwakot about monthly findings, as well as follow-up of corrections recommended
Magh 27-29  Follow-up with E/SE/ASE on various issues, Preparation of monthly reports

2.1.6 Dhading and Gorakha Districts
Magh 1-3  Joint monitoring with HRRP of Reconstruction Activities in Benighat-Rorang & Jwalamukhi RM. of Dhading and Palungtar & Gorkha Municipality of Gorkha District.
Magh 5-7  Contacts and follow up of DLPIU E/SE/ASE in Gorkha & Dhading
Magh 8-10  Working at CLPIU & Participation in the Monthly meeting
2.2 Activities Planned For Falgun
The following activities are planned for the month of Falgun, 2076 at center and District level.

2.2.1 Central/Dolakha and Ramechhap Districts
Regular activities of M & E Consultant (Central) is to perform day to day activities in CLPIU, regular contact with M & E Consultant (Districts) to update their activities in the district and attained the meeting related to M & E in CLPIU, NRA and other POs. The Specific activities for Falgun 2076 are as follows:

Falgun 01-03 Preparation of Monthly Report of Magh and Monthly Plan of Falgun Month.

Falgun 04-09 Daily work in CLPIU, Planning and Preparation and monitoring of for STA Training.

Falgun 11-16 Daily work in CLPIU, Telephonic communication with M & E Consultants-Districts and Technicians of Dolakha and Ramechhap Districts.

Falgun 18-23 Field visit in STA Training Districts.

Falgun 25-30 Daily work in CLPIU, Follow up Engineers activity, Inspection Digitization, Data collection in Dolakha and Ramechhap Districts.

2.2.2 Sindhuli and Okhaldhunga Districts

Falgun 01-07 Sindhuli and Okhaldhunga District

Falgun 08-14 Sindhuli and Okhaldhunga District

Falgun 15-21 Sindhuli and Okhaldhunga District

Falgun 22-30 Sindhuli and Okhaldhunga District

Monitoring the presence of E/SE/ASE monitoring the presence of E/SE/ASE monitoring & coordination meeting in Sindhuli & Okhaldhunga District and Update MIS Data & CS Entry and also monitoring of POs activities, third
inspection digitization, monitor SM & Mobile Mason and retrofit activities also assist DLPIU for retrofitting data collection works

### 2.2.3 Sindhupalchok, Kavrepalanchowk and Bhaktapur Districts

**Falgun 1-10** Involved in Half day Orientations to the Engineers, Social Mobilizer and Mobile masons all Palikas of Kavrepalanchok District.

**Falgun 11-12** Working in DLPIU office of Bhaktapur District.

**Falgun 13** Field Monitoring and Meeting with technical persons of Suryabinayak municipality of Bhaktapur district.

**Falgun 14** Field Monitoring and Meeting with technical persons of ChanguNarayan municipality of Bhaktapur district.

**Falgun 15** Field Monitoring and Meeting with technical persons of Madhyapur Thimi municipality of Bhaktapur district.

**Falgun 16** Field Monitoring and Meeting with technical persons of Bhaktapur municipality of Bhaktapur district.

**Falgun 17-18** Working in DLPIU office of Sindhupalchok District.

**Falgun 19-23** Field monitoring and meeting with technical persons of Melamchi municipality of Sindhupalchok district.

**Falgun 25-30** Working in DLPIU office of Kavrepalanchowk District

### 2.2.4 Kathmandu, Lalitpur and Makawanpur Districts

**Falgun 01-05** Kathmandu District, Review progress, organize meeting with DLPIU chief, DSE and focal persons

**Falgun 06-09** Review of progress, organize meeting with DLPIU chief, DSE and Focal persons at Lalitpur district

**Falgun 11-16** Field visit at Lalitpur Metropolitan

**Falgun 17** Working at DLPIU Makwanpur, review of progress, meeting with DLPIU chief, district support engineer, Telephonic conversation with engineers and ward chairs.

**Falgun 18-20** Working at DLPIU Makwanpur

**Falgun 21-26** Field visit at Hetauda Submetro

**Falgun 27-30** Work at DLPIU Lalitpur
2.2.5 Nuwakot and Rasuwa Districts
Falgun 1-2 Preparation of monthly plan and monthly report
Falgun 4 Time Sheet Submission in CLPIU
Falgun 5 Work out for SM and MM training to be conducted
Falgun 6-8 Work in DLPIU Rasuwa and meeting with SM and MM
Falgun 11-14 Conduction of SM training in Nuwakot for Nuwakot and Rasuwa
Falgun 15-16 Field Visit to Tarkeshwor R.M., Nuwakot for meeting with retrofitting beneficiaries
Falgun 18-21 Conduction of MM training in Nuwakot
Falgun 22-23 Field Visit to Uttargaya and Kalika R.M., Rasuwa
Falgun 25 Meeting in DLPIU with Palika focal Engineers
Falgun 27 Follow-up and phone conversations about retrofitting beneficiary status
Falgun 28-Chaitra 01 Conduction of MM training in Rasuwa

2.2.6 Dhading and Gorakha Districts
Falgun 1-3 Attend and manage STA training For SM Training at Okhaldhunga.
Falgun 4-5 Contacts and follow up of DLPIU E/SE/ASE in Gorkha & Dhading
Falgun 6-8 Working at DLPIU Dhading & Participation in the Monthly meeting
Falgun 11-14 Attend and manage STA training For SM Training at Gorkha District
Falgun 15-18 Attend and manage STA training For SM Training at Dhading District.
Falgun 19-23 Joint monitoring with HRRP of Reconstruction Activities in Gajuri, Galchi & Siddalek RM. of Dhading and Ajirkot & Aarughat RM. of Gorkha District
Falgun 26-28 Report Collections & Monitoring of Individual Partner Organization in Dhading
Falgun 29-30 Preparation of Monthly Report of Magh and Monthly Plan of Falgun 2076

3. ACTIVITIES PERFORMED IN DETAIL
Depending upon the need basis and the different conditions the planning may not apply fully. Activities performed are some different from the planned activities in Districts. The following specific activities have been performed by the M & E Consultants in coordination with CLPIU and respective DLPIUs:

3.1 Central/Dolakha and Ramechhap Districts
M & E Consultant (Central) has performed day to day activities in CLPIU, regular contact with M & E Consultants (Districts) to update their activities in the districts and attended the meeting.
related to M & E and training in CLPIU, NRA and other POs. The Specific activities performed were as follows:

- Review on the hiring progress of Social Mobilizer and Mobile Masons. Finalization training planning for STA Training.
- Planning and coordination for STA training in Districts. Conducted training for Social Mobilizers and Focal Engineers in four Districts; Kathmandu, Lalitpur, Okhaldhunga, Sindhupalchok.
- Preparation of Training curriculum and training material for Mobile Mason Training.
- Field Visit to Ramechhap District.
- Attended several Meetings with different POs at CLPIU.
- Regular Telephonic Communication with DLPIU Team (DLPIU Chief, Focal Engineer, Engineers, DSE and MIS Officer) of Dolakha and Ramechhap districts and update in Reconstruction
- Participated in one day MIS training for DLPIU focal Engineer, M&E and DSE.
- Participated in meeting at CLPIU, with delegates from Bangladesh
- Preparation of monthly Report of Magh and monthly plan for Falgun.

3.2 District: Sindhuli and Okhaldhunga

Framework: Inspection and certification of rural and urban Housing built through owner driven approach with built back better concept.

Activity 1: Field Visit with GMALI, DLPIU (Building) and meeting in Marin Rural Municipality & Dudhaulii Municipality Sindhuli

Field visit team: M&E Specialist, District Support Engineer, Focal Person (DLPIU Building), DLPIU (Engineer), Ward Chairpersons, Ward Secretary, Beneficiaries

Meeting with Ward Chairperson and Technicians
- Discussion about Technicians presence in working area
- Discussion about the importance of Construction Completion Certificate and inspection digitization; and support from ward level
- Discussion about Support in PA Digitization
- Discussion about the data collection of re-construction status in ward level
- Discussion about the retrofitting’s progress in each wards.
- Distribution of Completion certificates in each wards.
- Observation of more than 2 Non –Compliance buildings and interaction with beneficiaries which were constructed before presence of field Technician in the field
- Observation of Correction made buildings.
Issues:

- For retrofitting progress, visualization documents presentation are necessary in each wards or in Rural Municipality.
- RS/RV data results waiting to construct the houses.

**Activity 2: Field Visit with GMALI, DLPIU (Building) and meeting in Likhu RM & Khijidemba RM, Okhaldhunga**

**Field visit team:** M&E Specialist, District Support Engineer, Focal Person(DLPIU Building), DLPIU(Engineer), Ward Chairpersons, Ward Secretary, Beneficiaries

**Meeting with Ward Chairperson and Technicians**

- Discussion about Technicians presence in working area
- Discussion about the importance of Construction Completion Certificate and inspection digitization
- Discussion about Support in PA Digitization
- Discussion about the retrofitting’s progress in each ward
- Discussion about the data collection of re-construction status in ward level
- Distribution of Completion certificates in each wards.

**Issues and findings**

- For retrofitting progress, visualization documents presentation are necessary in each wards or in Rural Municipality.
- Beneficiaries are found interested if change the beneficiaries list from retrofitting to reconstruction quickly.
- RS/RV data results waiting to construct the houses.

**Activity 3: Field Visit with GMALI, DLPIU (Building) and meeting in Ghyanglekh Rural Municipality Sindhuli**

**Field visit team:** M&E Specialist, District Support Engineer, Focal Person(DLPIU Building), DLPIU(Engineer), Ward Chairpersons, Ward Secretary, Beneficiaries

**Meeting with Ward Chairperson, beneficiaries and Technicians**

- Discussion about Technicians presence in working area
- Discussion about the importance of Construction Completion Certificate and inspection digitization; and support from ward level
- Discussion about Support in PA Digitization
• Discussion about the data collection of re-construction status in ward level
• Distribution of Completion certificates in each wards.
• Discussion about the retrofitting’s progress in each wards

Issues and findings
• Beneficiaries are made non compliances houses themselves and blamed to the field technician.
• Target of first, second and third inspection and completion certificate distribution with digitization till the end of this month
• For retrofitting progress, visualization documents presentation are necessary in each wards or in Rural Municipality

Framework: Training mason and house owner and technician about earthquake Resistant Technology.
Monitored the 50 days Model houses retrofitting training organized by Build Change/UNOPS in Sindhuli District
Monitored the 4 days orientation training on SM & Focal Engineer in Okhaldhunga District
Monitored the 50 days Model houses retrofitting training organized by CRS/NSET in Okhaldhunga District
Participated in Mobile Mason & SM interview.
Monitored the 50 days Model houses retrofitting training organized by Build Change in Sindhuli District

Framework: Other Activities
➢ Participated in General Coordination meeting at DLPIU (GMaLI),Okhaldhunga
  ➢ Activities of POs (CRS,Build Change) and their progress in private housing and their training activities
  ➢ Discussion about in first, second and third Inspection data and CS Entry
  ➢ Discussion about the retrofitting progress in each wards of the Municipality/Rural Municipality

➢ Participated in General Coordination meeting at DLPIU (GMaLI),Sindhuli
  ➢ Activities of POs (Build Change, NGO(CSRC) and their progress in private housing and their training activities
  ➢ Discussion about in third Inspection data and CS Entry
Discussion about the retrofitting progress in each wards of the Municipality/Rural Municipality

Mobile Monitoring of the Engineer/Sub-Engineer and Assistant Sub-Engineer of their performance in the districts.

Coordination with POs (CRS, Build Change) about their retrofitting activities

Follow up of the Engineers for the CS Entry, Third Inspection and MIS Update

Organized orientation meeting with DLPIU Chief, Focal Person, VDC Engineer, M& E Team and POs working in the districts in every month.

3.3 District: Bhaktapur, Kavrepalanchowk and Sindhupalchok

Framework: Inspection and certification of rural and urban Housing built through owner driven approach with built back better concept.

In Bhaktapur District-

- In this district, the total number of beneficiaries who found the first tranche is 24450 in which 10281(42%) are found his second tranche and are 9687(39%) found his third tranche.

- In this district, First inspection digitization is 10509, Second inspection digitization is 10112 and Third inspection digitization is 9013.

- Meeting with technical persons, Social Mobilizer and mobile masons of all municipality about progress and issues in Reconstruction of private housing and Retrofit in their respective wards.

- 16 Social mobilizer and 30 mobile masons are recruited in all four municipalities for speed up for reconstruction of private housing.

In Kavreplanchok District-

- In this district, the total number of beneficiaries who found the first tranche is 76667 in which 59920(78%) are found his second tranche and are 50456(66%) found his third tranche.

- In this district, First inspection digitization is 57703, Second inspection digitization is 48731 and Third inspection digitization is 38758.

- Meeting with technical persons of ChauriDeurali Rural-municipality about progress and issues in Reconstruction of private housing and Retrofit in their respective wards.

- Field Monitoring about Reconstruction of private houses in ChauriDeurali rural- municipality.
- 31 Social mobilizer and 66 mobile masons are recruited in all thirteen municipalities for speed up for reconstruction of private housing.

**Field visit and inspection of house in ChauriDeurali Gaupalika of Kavre district.**

**Meeting with Technical persons and ward chief of ChauriDeurali Gaupalika about Reconstruction of private housing.**

**In Sindhupalchok District:**
- In this district, the total number of beneficiaries who found the first tranche is 86800 in which 86217(99%) are found his second tranche and are 78849(91%) found his third tranche.

- In this district, First inspection digitization is 83097, Second inspection digitization is 74847 and Third inspection digitization is 70300.

- Meeting with technical persons of Tripurasundari and Lishankhupakhar rural- municipality about progress and issues in Reconstruction of private housing and Retrofit in their respective wards.

- Field Monitoring about Retrofit of houses in TripuraSundari and Lishankhupakhar rural-municipality.

-16 Social mobilizer are recruited in all thirteen municipalities for speed up for reconstruction of private housing.
Field visit for Retrofit in Tekanpur of Tripura Sundari Gaupalika.

Field visit and inspection of house with DSE for Retrofit in Thulopakhar of Lishakhupakhar Gaupalika of Sindhupalchok district.

Framework: Training mason and house owner and technician about earthquake Resistant Technology.
- In Sindhupalchok, four days Residential training for Focal engineer of Palika and SM is completed successfully.
- Successfully completed half- day- Orientation to the Engineers, Social Mobilizer and Mobile masons of all Palikas of Bhaktapur district.
Framework: Other Activities.

Meeting with PD of CLPIU (Building) in the presence of DLPIU Chief.

This meeting was conducted in Magh 17 at DLPIU office Kavreplanchok in the presence of M&E, Focal engineer, DSE and office staffs about updated progress and issues in reconstruction of private housing in Kavreplanchok district. He gave us valuable suggestions to how we achieve our targets in reconstruction of private housing within deadline. In that meeting he mainly discussed about Last inspection progress, IDA compliant data, status and progress in Retrofit in district, attendance of technical persons in local level. M&E Expert, DSE, MIS officer all gave him recent status in each activities.

Case Study for Low Progress in Bhaktapur Municipality

Introduction

Under District Level Program Implementation Unit (DLPIU), Bhaktapur, engineers – Reesha Hachhethu Samjhana Shrestha, Deepa Shrestha and Samjhana Manandhar, sub engineer – Rabina Tulsibhakyo, and assistant sub engineer –Rita Adhikari have been currently working in Bhaktapur Municipality. They have been working in the field to provide technical assistance for the construction of earthquake resistance buildings and also for the inspection of households for second and third tranches. This report is prepared for finding cause of not completing construction of house by beneficiaries of earthquake 2072. It has been prepared by contacting beneficiaries directly, through phones, by consultation with ward Chief of ward and secretary.

The known beneficiaries for Bhaktapur Municipality up to date are 6888. From 6888 beneficiaries, 5637 have taken first tranche and 1918 and 1682 beneficiaries have officially come in our contact to provide application for second tranche and third tranche respectively. We have forwarded 1793 and 1598 checklists of second and third tranche respectively till Poush 2076.

Reasons

1. Financial problem:

Most of the beneficiaries have repaired their homes or/and clear the debris with the first tranche of Rs. 50,000. The beneficiaries say that it is not sufficient to reconstruct.

2. Loading Bearing House:

In Bhaktapur Municipality, the local byelaws allows three and half floor for load bearing houses, but in our case, only 2 and half floor.
3. **Flat System House:**

Due to land scarcity, people construct house and divide their house in flat system by family members. So, they have 2/3 beneficiaries card from same house. NRA has a provision of getting tranche in flat system if the house is located in heritage site. Due to which many beneficiaries have not received their tranche.

4. **Planning Area:**

Some of the beneficiaries have their land in planning area (Deko Mib Itapako) and Bhaktapur Municipality has been restricting making new houses in the area. If beneficiaries from core area want to constructed new building at planning area, they are not allowed to do it.

5. **Guthi Houses:**

Guthi house are used for religious purpose. This house is not used for residence purpose. Some beneficiaries are the owners of Guthi house. So, they did not continue the process after first tranche.

6. **Interference from adjacent neighbors:**

In Bhaktapur, most/all buildings are attached to each other. Many share the same wall by two houses but after earthquake, they have conflict in ownership of the common wall which has restricted them to build new house.

7. **Suggestions**

1. Central Level Project Implementation Unit can give various orientation for beneficiaries to motivate to reconstruction their new homes.
2. Bhaktapur Municipality can lift ban on planning area or provide access to land for beneficiaries only.
3. Local representatives should try solving conflict on common wall.
4. NRA can add the provision of giving tranche to the beneficiaries living in flat system not only in heritage site but all over municipality.

8. **Reconstruction Updates till Poush Month**

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3.4 District: Kathmandu, Lalitpur and Makawanpur

**Framework:** Inspection and certification of rural and urban Housing built through owner driven approach with built back better concept.

- Attended a review meeting at Lalitpur organized by DLPIU (Building) in which overall progress of reconstruction and retrofitting were discussed.
- Organized a meeting with NRA engineers working at Kathmandu district and during the meeting progress of reconstruction and other issues and challenges were discussed.
- Attended a field visit on few wards of Lalitpur metropolitan and during the visit interaction with beneficiaries were done about retrofitting.
- Coordinated and facilitated 4 days’ training on social mobilization on reconstruction organized by DLPIU (Building) Lalitpur and Kathmandu.
- Assist DLPIU retrofitting task forces to develop the strategic frame work about retrofitting.
- Telephonic conversation was done about engineer’s attendance with ward presidents of municipalities about performance of engineers and with the engineers about the digitization of case load of third inspection.

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*Training on Social Mobilization for Focal Engineers and Social mobilizers in Kathmandu and Lalitpur Districts*
3.5 District: Nuwakot and Rasuwa
Framework: Inspection and certification of rural and urban Housing built through owner driven approach with built back better concept.

Activity 1: Field Visit on retrofitting
2. Objectives:
   - To know about the ground reality of retrofitting beneficiaries in palika.
   - To convince and orient retrofitting beneficiary by individual household visit.
3. Team Involved:
   M & E (Building), DSE, Focal Engineer and Social Mobilizer.
4. Participants in meeting/Discussion:
   Individual Beneficiaries of ward-8, Shivapuri R.M.
5. Reconstruction Summary of Ward/Palika:
   a) Reconstruction Beneficiary

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<tr>
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b) Retrofit Beneficiary

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<th>RTB</th>
<th>Agreement</th>
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<th>Second Tranche</th>
<th>Application for Beneficiary Switch</th>
<th>Beneficiary Switched</th>
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6. Activity Details:
   - Retrofitting beneficiaries house visit, convincing and orientation to all of them.
   - Private housing observation and ward level meeting.
   - First of all ward Level Meeting in ward 8 were held. Ward Chief of ward 8 Padam Bahadur Thapaliya, Secretary, Ward members, beneficiaries, focal engineer, DSE, SM and M & E CLPIU (Building) were present.
   - In meeting the cases and number of houses that couldn't be recommended tranche due to various reasons were discussed.
   - The retrofitting beneficiary status was discussed.
   - The third inspection digitization and issuing of completion certificate was one of the agenda of the meeting.
   - Field mobilization and attendance of Engineer, Sub Engineer and ASE in ward 8 is satisfactory.

7. Presence of DLPIU Technical Team:
   - Field E/SE/ASEs were present in the field.
8. Findings/Discussion/decision Made etc.
   - The retrofitting beneficiaries are not willing to retrofit their houses. They say that the cost of retrofitting is high and tranche support of government is not sufficient.
   - All relevant information was discussed in ward levels.
   - Due to lack of co-ordination at ward information gap was found.
   - The third inspection digitization and backlog digitization is progressively increasing.

9. Photographs

Ram Bahadur Mijar, Retrofitting beneficiary of Shivapuri R.M.-8, Thanapati

Orienting Retrofitting beneficiaries in Shivapuri R.M.-8, Thanapati by individual household visits.

Chuda Raj Silwal, Retorfitting beneficiary of Shivapuri R.M.-8, Thanapati

Thanakumari Bhetuwal, Retorfitting beneficiary of Shivapuri R.M.-8, Thanapati

Indra Raj Bhetuwal, RCB, Shivapuri R.M.-8, Thanapati received 3rd tranche

Orienting Retrofitting beneficiaries in Shivapuri R.M.-8, Thanapati by individual household visits.
Activity 2: Field Visit on retrofitting

1. Activity: Field Report: Bidur Municipality, Nuwakot
2. Objectives:
   - To know about the ground reality of retrofitting beneficiaries in palikas.
   - To convince and orient retrofitting beneficiary by individual household visit.
3. Team Involved:
   M & E (Building), DSE, Focal Engineer and Social Mobilizer.
4. Participants in meeting/Discussion:
   Individual Beneficiaries of ward-10 and 11, Bidur Municipality.
5. Reconstruction Summary of Ward/Palika:
   a) Retrofit Beneficiary

<table>
<thead>
<tr>
<th>WN</th>
<th>RTB</th>
<th>Agreement</th>
<th>First Tranche</th>
<th>Second Tranche</th>
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</tbody>
</table>
6. Activity Details:
   - Retrofitting beneficiaries house visit, convincing and orientation to all of them.
   - Private housing observation and ward level meeting.
   - In meeting the cases and number of houses that couldn't be recommended tranche due to various reasons were discussed.
   - The retrofitting beneficiaries’ status were discussed.
   - The third inspection digitization and issuing of completion certificate was one of the agenda of the meeting.
   - Field mobilization and attendance of Engineer, Sub Engineer and ASE in ward 10 and 11 is satisfactory.
7. Presence of DLPIU Technical Team:
   - Field E/SE/ASEs were present in the field.
8. Findings/Discussion/decision Made etc.
   - The retrofitting beneficiaries are not willing to retrofit their houses. They say that the cost of retrofitting is high and tranche support of government is not sufficient.
   - All relevant information was discussed in ward levels.
   - Due to lack of co-ordination at ward information gap was found.
   - The third inspection digitization and backlog digitization is progressively increasing.
9. Photographs

Badri Pyakurel, Full beneficiary of Bidur-10, wants to retrofit the house and convert into retrofitting beneficiary.

Gopi Tamang, R-28-1-11-0-0001, retrofitting beneficiary wants to retrofit the house.

Harsh Chandra Lama Tamang, R-28-22-1-0-001, Retrofitting beneficiary of Bidur-11, Nuwakot received retrofitting tranche just after repairing the house. Neither correction nor retrofitting measures are done.

Other Activities

- Contact, Mail and Follow-up with focal Engineers and ward E/SE/ASE of Nuwakot and Rasuwa about retrofitting issues and digitization works.
- Follow-up on WB-TPM reports.
- Meeting with palika focal Engineers in DLPIU-Nuwakot.
- Contract and Orientation of SM and MM in Nuwakot and Rasuwa.
3.6 District: Gorakha and Dhading

Framework: Inspection and certification of rural and urban Housing built through owner driven approach with built back better concept.

- Interaction with CEO of NRA, DLPIU Chiefs, GMaLI Team, and JICA Engineer's at Dhading District.
- Interaction and field visit with performance monitoring team, JICA/EHRP Team, DLPIU Building Team and Field Technician at Gorkha and Dhading District.
- Meeting with DLPIU chief of Both Gorkha and Dhading district for the reconstruction issues in the district.
- Phone call with Engineers/Sub-Engineers/Asst. Sub Engineers, in both DLPIU Gorkha & Dhading District.
- Meeting with WB. Third party monitoring team in Dhading about their findings issues and plan.
- Jointly Field Monitoring of ward no 9, 10, 11 & 14 in Gorkha municipality and ward no 1, 2, 5 & 7 in Palungtar municipality of Gorkha District and Monitoring of ward no 1 & 2 Tripura Sundari RM, ward no 4 & 5 Gajuri RM and ward no 7 & 8 in Dhunibeshi municipality of Dhading district. In this monitoring & observation of Retrofitting house, their issues, challenges and performance of our technical persons working in this area.
- Coordination meeting with the Palika focal engineers and discussion about the major Retrofitting Beneficiary Issues in the district and about digitization and suggested them to fixed the weekly target & work on it. Gorkha District.
- Discussion with DSE, & Focal persons of both district about in third Inspection data, Retrofitting data, TPMA report and CS Entry etc.
- Coordination with GMaLI DLPIU Team/ DFID/UMN/ UNDP/NHRP/EHRP/JICA/NSET/PIN/CSRC/UNOPS/Build Change/HRRP Team/ Purnima/Kaduri & ICDC Discussed about the current problems, Retrofitting beneficiary, issues of third inspection & Certificates distribution activities in the Gorkha and Dhading district.
- Interaction with local people about technical assistance/Support, trance distribution, data collection and other issues related to reconstruction.

Framework: Training mason and house owner and technician about earthquake Resistant Technology.

- Mobile Monitored the 3 days training organized by GoI/NHRP in Gorkha district.
- Monitored the 50 days Model houses retrofitting training organized by UNOPS/Build Change in Gorkha and Dhading District.
Framework: Other Activities

- Follow up of technical persons for proper supervision and inspection of houses in his wards regularly
- Telephonic conversation with ward engineers for Caseload files solutions of third inspection digitization and Certificates distribution
- Study of TPMP report and calling respective ward E/SE/ASE and reporting.
- Assist DLPIU retrofitting task forces to develop the strategic frame work about retrofitting
- Follow up E/SE/ASE for data collection of retrofitting beneficiaries of the both district.
4. FINDINGS

4.1 Sindhuli and Okhaldhunga Districts

- Local Government representatives are asked to play lead role in correction of Non-Compliance buildings and they should play vital role in creating awareness about the importance of Construction Completion Certificate.
- Appointing of new E/SE/ASE but they havenot received trainings. So need TOT/Correction Exceptional Manual/Retrofittings trainings for newly appointed field technician.
- Lack of co-ordination found during field visit between Municipality/Rural Municipality Level and ward office.
- Retrofitting trainings for Masons is necessary to retrofit the building. During the field visit, no knowledge was observed of Skilled Masons.
- Due to the temporary transfer of Engineer from the district to NRA, the Engineers are not sufficient to work in each ward.
- Due to the scarcity of wood in ward of Sindhuli, the retrofittings for Timber Struture houses are not constructing.
- For retrofitting progress, visualization documents presentation are necessary in each wards or in Rural Municipality/Municipality.
- Retrofittings training for E/SE/ASE in necessary in Sindhuli & Okhaldhunga District.
- RS/RV data results should be published as soon as possible.
- Training for Mobile Mason is necessary.

4.2 Sindhupalchok Kavrepalanchowk and Bhaktapur District

- Social Mobilizers and Mobile Masons are now recruited for speed for reconstruction of private housing and retrofit of houses.
- Due to deadline of Magh maximum no. of first, second and third tranches distributed in all three districts.
- Still retrofit beneficiaries not want to retrofit their houses because they want to change in fully damaged beneficiaries. Also some beneficiaries constructed their new houses but they still not demolishes his old or retrofit house and wants to change in fully damaged beneficiaries.
- Local level Representatives are also negative thought about Retrofit of SMM houses. They also want Retrofit beneficiaries changes in to Fully Damaged beneficiaries.
- Many beneficiaries only repaired his house in simple manner not retrofit and claim for second tranches. NRA should also addressed about Repaired house for second tranche they will found or not.
• Technical persons of wards also can not convinced retrofit beneficiaries for retrofit of their houses. Because beneficiaries want to change him to fully damaged.
• Still completion certificate distribution is not started in Bhaktapur and Kavreplanchok district.

4.3 Kathmandu, Lalitpur and Makawanpur Districts
• Training for social mobilizers has been conducted at Lalitpur and Kathmandu and a refresher training for mobile masons as soon as possible is strongly recommended.
• The progress of retrofitting has been found low in urban areas as compared to rural areas, rural areas still are facing problem in retrofitting, social mobilization regarding retrofitting is also highly recommended.
• Slow progress has been found for the distribution of construction completion certificate so, DLPIUs have to made plans regarding distribution of construction completion certificate. Till date there is only provision for reconstruction but should also be for retrofitted houses regarding construction completion certificate.
• Grant amount for retrofitting at urban area seems to be insufficient and addition of grant amount for urban retrofitting is highly recommended.

4.4 Nuwkot and Rasuwa Districts
• The retrofitting beneficiaries were interacted on various meetings at ward level as well as individual household visits. They were made to convince on retrofitting measures that can be taken.
• Local elected representatives were informed on recent notices, retrofitting issues during meetings at palikas and district.
• DLPIU engineers/ sub-engineers and focal engineers were oriented towards retrofitting. They were reminded of various works to be done. Issues and challenges faced by the project were presented to the DLPIU E/SE/ASE.
• During interaction with various stakeholders it was found that the increase in financial support will increase the trend of retrofitting.
• The newly appointed SM and MM were oriented. They are guided to the works to be done.
• Some fraud practice by field Engineers were reported and so measures taken against them.

4.5 Gorakha and Dhading districts
• 281 Beneficiaries received first tranche without signed agreement in wards 1 & 2 of Tripurasundari RM. Dhading District (It is big Challenged)
• Since a 2-3 month field technicians are not receiving the salary, so they have not found serious in their responsibility.
• Beneficiaries are found interested if change the beneficiaries list from retrofitting to reconstruction.
• For retrofitting progress, visualization documents presentation are necessary in each wards in each wards of Municipality.
• Due to lack of monitoring mechanism, the inspections of houses constructed by POs can’t be done. Monitoring mechanism of POs activities should be developed.
• Palika Level meetings on all palikas are necessary for speeding up third inspection as well as completion certificates distribution.
• Mostly field technicians are found attendance and mobilization is poor.
• Beneficiaries are still oriented to only grant receive, not focused to safer building construction, that’s why building are being further constructed after receiving third tranche.
• Districts Gorkha and Dhading are being reconstructed with Earthquake Resistance Houses. House owners are feeling proud of having earthquake resistant house.
• Women used to work as labor in the past but after getting opportunity of MASON training, now they are working as skilled mason.
• There is high expectation of community, people as well as government agencies from NRA.
• Beneficiaries are made non compliances houses themselves and blamed to the field technician.
5. CONCLUSION AND RECOMMENDATION

- Land Less people are still waiting for soft loan and interest free loan to start reconstruction but policy and its working process is still unclear to people. Help desk at DLPIU level is found necessary to support people.
- Special support for vulnerable household is necessary through a different agency specially devoted on this. Still some vulnerable people are without shelter. STA team should be mobilized as soon as possible.
- The information regarding recent deadlines and completion certificates has not been disseminated well in all wards. DLPIUs, Local Government and the ward level technicians should be serious in this issue. Information should be disseminated through different medium and media.
- Monthly target and its performance indicators have been developed by DLPIU’s and as the focal persons have some additional responsibility, any types of responsibility allowance for them is highly recommended to motivate focal Engineers.
- The grant distribution for the houses those constructed before engineers deployment has not been started yet, at some municipalities municipal board has refused to certify annex 1 before municipal drawing approval process which has created obstruction for immediate grant distribution.
- Issues in Urban Reconstruction should be addressed separately. At core areas of Kathmandu and Lalitpur there are some vulnerability issues with adjoining non-damaged houses whenever damaged houses decide to demolish which has created obstruction for reconstruction. During field visits it has been found that maximum number of houses can be retrofitted, so retrofitting may be suitable option by re damage assessment of the houses.
- There is also need for NRA to make strong decisions for those beneficiaries who do not intend to reconstruct their house even after taking first tranche.
- Retrofit beneficiaries not want to retrofit their houses because they want to change in fully damaged beneficiaries. Also some beneficiaries constructed their new houses but they still not have demolished their old or retrofit house and wants to change in fully damaged beneficiaries.
- Due to the temporary transfer of Engineer from the district to NRA, the Engineers are not sufficient to work in each ward.
- Due to the scarcity of wood in ward of Sindhuli, the retrofitting for Timber Structure houses are not constructing.
- For retrofitting progress, visualization documents presentation are necessary in each wards or in Rural Municipality/Municipality.
6. **ANNEXES:**

**Annex-1: List of Monitoring and Evaluation Consultants with contact Detail**

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<tr>
<th>SN</th>
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<td>1</td>
<td>Janak Raj Joshi</td>
<td>Central, Dolakha</td>
<td>9851101041</td>
<td><a href="mailto:janakjosie@gmail.com">janakjosie@gmail.com</a></td>
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<td>2</td>
<td>Roshan Raj Giri</td>
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<td>9841335744</td>
<td><a href="mailto:roshanrgiri@gmail.com">roshanrgiri@gmail.com</a></td>
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## Annex-2: District wise Reconstruction Data

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## Annex-3: Capacity Development of Engineers / Technicians / Masons

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<td>Half day orintaion for Engineer, SM and MM</td>
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<td>Model Retrofitting by Build Change</td>
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Annex-4: Follow up of Engineers

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<td>15</td>
</tr>
<tr>
<td>3</td>
<td>Dolakha</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>Ramechhap</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>Sindhupalchok</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>Kavrebalanchok</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Bhaktapur</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Kathmandu</td>
<td>7</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Lalitpur</td>
<td>11</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>Makawanpur</td>
<td>8</td>
<td>3</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>Rasuwa</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>Nuwakot</td>
<td>4</td>
<td>3</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>13</td>
<td>Dhading</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>Gorakha</td>
<td>3</td>
<td>2</td>
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<td>2</td>
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<tr>
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<td><strong>Total</strong></td>
<td><strong>101</strong></td>
<td><strong>38</strong></td>
<td><strong>33</strong></td>
<td><strong>50</strong></td>
</tr>
</tbody>
</table>

(1= Low to... 5= High)
### Annex-5: Coordination and observation of POs activities

<table>
<thead>
<tr>
<th>SN</th>
<th>Districts</th>
<th>Coordination meeting in District DCC</th>
<th>Meeting with Local Body Representatives</th>
<th>Coordination meeting with POs</th>
<th>Observation POs Activities</th>
<th>Activities of POs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Okhaldhunga</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>✓</td>
</tr>
<tr>
<td>2</td>
<td>Sindhuli</td>
<td>1</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>✓</td>
</tr>
<tr>
<td>3</td>
<td>Dolakha</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ramechhap</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Sindhupalchok</td>
<td>None</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>✓</td>
</tr>
<tr>
<td>6</td>
<td>Kavrepalanchok</td>
<td>None</td>
<td>4</td>
<td>None</td>
<td>None</td>
<td>✓</td>
</tr>
<tr>
<td>7</td>
<td>Bhaktapur</td>
<td>None</td>
<td>None</td>
<td>No any Pos</td>
<td>No any Pos</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Kathmandu</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Lalitpur</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Makawanpur</td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Rasuwa</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Nuwakot</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Dhading</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>✓</td>
</tr>
<tr>
<td>14</td>
<td>Gorakha</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>7</td>
<td>22</td>
<td>15</td>
<td>16</td>
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</tr>
</tbody>
</table>
### Annex-6: PHOTOGRAPHs

<table>
<thead>
<tr>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td>Monitored the 4 days orientation program for SM &amp; Mobile Mason in Okhaldhnga</td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Image" /></td>
<td>Participated in interaction Program Organized by NRA in Sindhuli District</td>
</tr>
<tr>
<td><img src="image3.jpg" alt="Image" /></td>
<td>Participated in interaction Program organized by CRS in Khijidemba Rural Municipality in Okhaldhunga District</td>
</tr>
<tr>
<td><img src="image4.jpg" alt="Image" /></td>
<td>Monitored the 50 days on the model houses constructed by CRS in Khijidemba Rural Municipality @Okhaldhunga</td>
</tr>
<tr>
<td><img src="image5.jpg" alt="Image" /></td>
<td>Monitored the houses in Champadevi RM @ Khadhunga</td>
</tr>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td><img src="image2.jpg" alt="Image" /></td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Monitored the retrofit house (Splint &amp; Bandage) during the training constructed by CRS in Khijidemba RM @Okhaldhunga</td>
<td>Monitored the 4 days orientation program for SM &amp; Mobile Mason in Okhaldhunga</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><img src="image3.jpg" alt="Image" /></th>
<th><img src="image4.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>During the Coordination meeting in Champadevi RM, Ward no.6 @Okhaldhunga</td>
<td>Participated during 1 day orientation program organized for SM by DLPIU(Building) in Sindhuli</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><img src="image5.jpg" alt="Image" /></th>
<th><img src="image6.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>SM Training by DLPIU Kathmandu and Lalitpur.</td>
<td></td>
</tr>
</tbody>
</table>
# Annex 7. Field Visit Reports (Dhading and Gorkha)

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/01/2020</td>
<td>Jwalamukhi rural municipality, ward-4, Dhading</td>
<td>• Binda Baramu Nepali (Vice-chief, DCC)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Sudip shrestha (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Rabin shrestha (DLPIU-Building Focal person)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Shalikram Ghimire (PC, Hamro ghar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Anil Rija I (PM, Hamro ghar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti Chandra joshi (HRRP, Dhading)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Baburam karki (FC, Phase Nepal)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Sudan Paudel (SME, Hamro ghar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Rajkumar Paharin (FO, Hamro ghar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Krishna bahadur Gurung (Ward chief, Jwalamukhi-4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kamal kafle (Assistant accountant, Jwalamukhi RM)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Min bahadur pulami (FC, Hamro ghar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Jagdish chand (FE, Hamro ghar)</td>
</tr>
<tr>
<td>13/01/2020</td>
<td>Gorkha Municipality, Ward 10 &amp; 11, Gorkha</td>
<td>• Rajesh Adhikari (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Awases Thakuri (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti Chandra joshi (HRRP)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Krishna tamang (Engineer, Gorkha municipality-11)</td>
</tr>
<tr>
<td>14/01/2020</td>
<td>Gorkha Municipality, Ward – 8 &amp; 14, Gorkha &amp; Palungtar Municipality, ward-1 &amp; 4, Gorkha</td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td>15/01/2020</td>
<td></td>
<td>• Rajesh Adhikari (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Awases Thakuri (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti Chandra joshi (HRRP)</td>
</tr>
<tr>
<td>16/01/2020</td>
<td>Triurasundari RM-Salyantar and Arughat VDC, Dhading</td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Anand raj pandey (Financial specialist, GMALI)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti Chandra joshi (HRRP)</td>
</tr>
<tr>
<td>17/01/2020</td>
<td>Dhunibesi UM, Ward-7, Dhading</td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti chandra Joshi (HRRP, Dhading)</td>
</tr>
<tr>
<td>22/01/2020</td>
<td>Jwalamukhi RM &amp; Jwalamukhi RM ward-4</td>
<td>• Khagendra Awasthi (M&amp;E, CLPIU-Building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Rajesh Shrestha (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Sudip Shrestha (DSE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Kirti chandra Joshi (HRRP, Dhading)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Jay Krishna Shrestha (Engineer, DLPIU)</td>
</tr>
<tr>
<td>Objective(s)</td>
<td>Details</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Jwalamukhi rural municipality, Ward-4 &amp;7, Dhading</td>
<td>It was a joint monitoring visit of DCC, DLPIU, PIN-hamroghar, HRRP organized by PIN-Hamro ghar to observe the vulnerable beneficiary house that were supported through STA and finance by Hamro ghar project for reconstruction.</td>
<td></td>
</tr>
<tr>
<td>Tripurasundari RM, Salyantar and Arughat VDC, Dhading</td>
<td>Visit was made to Muktinath bank of Salyantar and Arughat branch to discuss with bank regarding beneficiary $1^{st}$ and $2^{nd}$ tranche deposited issues.</td>
<td></td>
</tr>
<tr>
<td>Dhunibesi UM, Ward-7, Dhading</td>
<td>To inform ward that ward should start Housing reconstruction completion certificate distribution to those beneficiary who have completed reconstruction of their house and have received all stages of tranches.</td>
<td></td>
</tr>
<tr>
<td>Jwalamukhi RM and Jwalamukhi RM ward-5, Dhading</td>
<td>To inform RM and ward that ward should start process of Housing reconstruction completion certificate distribution to those beneficiary who have completed reconstruction of their house and have received all stages of tranches.</td>
<td></td>
</tr>
<tr>
<td>Gorkha Municipality, ward 11, Gorkha</td>
<td>To observe the house listed under retrofitting and taking views of retrofitting beneficiary and convince the retrofit beneficiary for retrofitting their house if feasible to do.</td>
<td></td>
</tr>
<tr>
<td>Gorkha Municipality, ward 8 &amp; 14, Gorkha</td>
<td>To visit the retrofitted model house made by Build change.</td>
<td></td>
</tr>
<tr>
<td>Palungtar Municipality, Gorkha</td>
<td>To visit the retrofitted model house made by Build change.</td>
<td></td>
</tr>
</tbody>
</table>

**Why was the visit carried out in this location? Priority wise, Write any other reason**

The field visit on different municipal of Dhading district was carried out focusing on retrofitting case, vulnerable case, Banking issue, process of Housing reconstruction completion certificate distribution, Housing typology collection. Simultaneously field visit to Gorkha district was made to find out issues regarding retrofitting and for Housing typology collection.
District coordination meeting held on DLPIU-GMALI on 23rd January 2020.

Palika level meeting held on 22 Jan 2020 at Jwalamukhi rural municipality on presence of Ms. Januka sinkhada- RM vice chief.

Palika level meeting held on 22 Jan 2020 at Jwalamukhi rural municipality ward no 5 on presence of Krishna prasad kapri- Ward chief
Annex 8. Post-field visit de-briefing Meeting on retrofitting initiative, 5th Feb 2020

A visit was organized along with the colleagues from DLPIU to streamline the process of retrofitting the program of NRA in Gorkha district.

Participants

1. Mr. Khagendra Awasthi, M & E Specialist, CLPIU, EHRP, Gorkha and Dhading
2. Mr. Awashes Thakuri, District Support Engineer, DLPIU, Gorkha
3. Mr. Sanjay Nayak, Focal Point (Technical), DLPIU Gorkha
4. Mr. Diwas Dahal, Engineer, NHRP, Gorkha
5. Mr. Ram Sapkota, District Coordinator, NHRP, Gorkha
6. Mr. Jnananjan Panda, UNDP KTM

The key takeaways from the overall exercise are as below:

1. There are task forces for retrofitting existing at DLPIU, District level and at GP level. It would be great if we (NHRP) are represented at both levels. It will benefit both the NHRP project and the DLPIU, Gorkha. Regular communication among the task force members with NHRP colleagues will be a definite value addition to have a more positive impact on the overall achievement of the district in the retrofitting initiative.

   → District Level task force for retrofitting

   - Sanjay Nayak, Focal Point (Technical), DLPIU Gorkha
   - Bikendra Khaitu, Engineer, DLPIU Gorkha
   - Awashes Thakuri, District Support Engineer, DLPIU, Gorkha
   - Rajesh Adhikari, District Support Engineer, DLPIU, Gorkha
   - Santosh Lama, Senior Engineer, NHRP, Gorkha (Suggestive)

   → GP level task force structure

   - Focal person, technical
   - Engineer, Sub Engineer
   - Team Coordinator (Engineer) or, Engineer, NHRP (Suggestive)

2. The above action can also facilitate connecting the already trained masons to the house-owners who want to start the retrofitting work, definitely a welcoming proposition.

   The above two can facilitate familiarization of processes involved and will help in developing a smoother mechanism of working together for positive achievement.

3. It was observed over a period of time that the focused orientation that had been done in the past to the elected representatives and the retrofitting beneficiaries in Gorkha and
Palungtar NPs are yielding some positive behavior change among citizens over a period of time. According to Mr. Naresh Nidhal (TC, Palungtar-2,) there are more enquiries from house-owners who want to retrofit their old houses every day, and it is especially because of the focused orientation programmes which were conducted around 2-3 months back. Therefore, it was agreed that similar programmes are organized in other working GPs as well. Also, Rajendra Desai Sir will be visiting the remaining 6 GPs during his next visit to interact with the elected representatives.

4. Through the NRA engineers working at the GP level had been attending our on-the-job retrofitting training programmes there was a suggestion to include a half a day classroom session for all of them. Surely, it is not a very difficult task and it will add a lot of value in terms of our collaboration with the DLPIU in getting the retrofitting agenda further and benefit more house-owners.

5. Broadly, the colleagues from DLPIU are very positive about our work and we will get enough cooperation regarding tranche related issues. The checklist we developed is broadly accepted by them, though there were a couple of additional points which were suggested while doing the testing of the same in both the sites which we visited.
Annex 9. Checklist for INSPECTION

Retrofitting of Stone/Brick Masonry (with Mud/Cement Mortar) building using a combination of Splint & Bandage and Containment Reinforcement (SBCR) System

Name of the House-owner: .................................................................

GP/ NP: .................................................................

P.A. Number: ...................................... Tole: .................................................................

PART A - Inspection of the existing structure (To be done before retrofitting is carried out)

Date of Observation: ______________

<table>
<thead>
<tr>
<th>MR No.</th>
<th>Category</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Shape of House</td>
<td>No. of storey</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One □ One and half □</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two □ Two and half □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Span of Wall</td>
<td>More than 10 times thickness of wall □</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not more than 10 times thickness of wall □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shape and Proportion</td>
<td>Simple and regular shape such as square/rectangular □</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>The length is not more than 3 times of its width □</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Materials Used in the existing Masonry</td>
<td>Stone/Brick</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Good Quality □ Average Quality □</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Poor Quality □ Not acceptable □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mortar</td>
<td>Mud □</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cement □ Thickness □</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Doors/ windows</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Away from corner □ More than or, equal to 600 mm (2'0&quot;) □ Less than 600 mm (2'0&quot;) □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total length</td>
<td>of the individual wall length</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>not more than 30% □ b/w 30-50 % □ more than 50% □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Distance between openings</td>
<td>More than or, equal to 600 mm (2'0&quot;) □ Less than 600 mm (2'0&quot;) □</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Damage Assessment</td>
<td>Cracks developed in walls □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grades of Cracks</td>
<td>Gr-I □ Gr-II □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Damage to walls</td>
<td>Gr-III □ Gr-IV □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>wall(s) out of plumb</td>
<td>□ Bulging observed in Wall(s) □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unequal Settlement of walls</td>
<td>□ Partial collapse of Wall(s) □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Damage to roof/ understructure and roofing</td>
<td>Yes □ No □</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Existing Earthquake resistant Elements</td>
<td>Horizontal Members</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>.................................................................</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vertical Members</td>
<td>.................................................................</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double Wooden frame in Doors/windows</td>
<td>Yes □ No □</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Connection of roof/ floor under-structure with the walls</td>
<td>Yes □ No □</td>
<td></td>
</tr>
</tbody>
</table>
5. Visual Documentation

a) **Elevation/ external photographs (at least four sides) with their number**

b) **Tentative sketches of existing building with indications of vulnerable locations in the building:**

| Plans of each storey showing all dimensions including the openings and wall thickness. It should mention if the opening has double frame or single frame. |
|---|---|

| Intermediate floor structural plan – Beams, floor joists, posts | Roof framing plan – Beam, rafters, purlins, posts |
Part B - Inspection of the repaired, restored and retrofitted structure

6. Repair and Restoration  
(To be filled after repair and before retrofitting)

Date of Observation: _________________

<table>
<thead>
<tr>
<th>MR No.</th>
<th>Category</th>
<th>Description</th>
<th>Comply to MRs</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6a</td>
<td>Configuration</td>
<td>Have the buttress/es added as necessary to secure long-wall or contain proportion?</td>
<td>□ □ □</td>
<td></td>
</tr>
<tr>
<td>6b</td>
<td>Wall repair</td>
<td>Have the existing Gr-II cracks been stitched appropriately?</td>
<td>□ □ □</td>
<td></td>
</tr>
<tr>
<td>6c</td>
<td></td>
<td>Have the existing Gr-III cracks been stitched appropriately?</td>
<td>□ □ □</td>
<td></td>
</tr>
<tr>
<td>6d</td>
<td></td>
<td>In case of Gr-IV cracks, have the damaged portions been removed and restored appropriately?</td>
<td>□ □ □</td>
<td></td>
</tr>
<tr>
<td>6e</td>
<td></td>
<td>In case of gable, corner or other wall damage/ collapse, has it been restored? (mention which wall, and what damage repair in Remarks column)</td>
<td>□ □ □</td>
<td></td>
</tr>
<tr>
<td>6f</td>
<td>Roof Repair</td>
<td>Have the damaged roof understructure and roofs been fixed appropriately with adequate connections with the restored walls?</td>
<td>□ □ □</td>
<td></td>
</tr>
</tbody>
</table>

Note: Follow “Repair and Restoration Field Guide for Damaged Masonry Buildings”
7. Retrofitting (To be filled completion of retrofitting, before tranche release)

Date of Observation: _______________

<table>
<thead>
<tr>
<th>MR No.</th>
<th>Category</th>
<th>Description</th>
<th>Comply to MRs</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>Horizontal Bandages</td>
<td>Are all belts in place and comply with the requirements in quality and size? Are they connected well on both surfaces with adequate cross-links?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7b</td>
<td>Shear Connectors</td>
<td>Are the shear connectors installed correctly at corners – with anchorage bar in place?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7c</td>
<td>Vertical Splints</td>
<td>Are the corner splints in place and comply with the requirements in quality and size, including the base?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7d</td>
<td>Opening Encasement</td>
<td>Are the openings secured where required and satisfies the minimum requirements?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7e</td>
<td>Vertical Wires</td>
<td>Are the vertical GI wires in place and comply with the requirements in quality, spacing between each other and overlap at intermediate floor levels and at the top? Are they taut?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7f</td>
<td>Horizontal Wires</td>
<td>Are the horizontal GI wires in place and comply with the requirements in quality, alignment, spacing and overlap? Are they taut?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7g</td>
<td>Floor Bracings</td>
<td>Are diagonal cross bracings at intermediate floor in place and taut?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7h</td>
<td>Roof Bracings</td>
<td>Are in-plane bracings at roof in place and taut?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7i</td>
<td>Between Roof Members</td>
<td>Are connections between different elements of roof (ridge beam, rafters, purlins and roofing materials in place and sufficient?</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>7j</td>
<td>Roof-to-Wall</td>
<td>Are roof elements fixed to the wall with appropriate details?</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

Note: It is important that the inspection is done before the elements get obscured under the cement plaster. Imposing such a requirement could possibly hold up the completion of retrofitting until that time when the engineer comes.

8. Visual Documentation of Retrofitting

At least four sides with their number

a) Drawings of the retrofitted building with all features:
Annex 10. Meeting Minute of field visit in Lalitpur