

Activity Report

[Field Visit Report – Kavrepalanchok District]

[9th June, 2017]

Activity Date:	09/06/2017
Report Prepared By:	Reshma Shrestha

Discussion:

Field Visit to Mahadevsthan (MandanDeupur Municipality, Ward No. 8)

The earlier Mahadevsthan VDC now has been restructured as Ward No. 8 of MandanDeupur Municipality. From the data obtained from DLPIU engineer for the VDC, 145 households have started rebuilding their houses and 105 houses have been approved for the second tranche.

This VDC has easy access to the construction market through good roadways. Sand and Aggregate is bought from the nearby Melamchi river depos, Bricks are either locally produced (Nearly 5 temporary brick kilns are operating after the earthquake) or bought from the local dealers at Ranikot and Kuntabesi (the local markets who stock the supplies from larger suppliers at Panchkhal and Banepa Municipality). Sal and Chilaune are abundant in the community forests as well as at private fields. Harwood Sal were mostly used in houses. Local Bamboo (Tuni Baas, Dhungre Baas) are abundant in the area but are not used as construction material due to its lower strength and age. Steel rods, pipes and CGI too are easily available at the market. Water Supply though differs within the VDC. Even within a smaller area covered during the visit, 24 hours supply was mentioned at a site and a house within 50 ft distance mentioned that reconstructing their house would be a challenge due to water scarcity.

- *HouseOwner - Sita Ram Paudel: This is a masonry one storied structure being reconstructed. Trained masons are being used for the construction. Hybrid wall materials can be seen in the super structure. Brick in cement and Stone in mud are used as the walling material. A single course sees the combined use of brick and coursed stone. At the corners, windows and doors, brick has been used whereas the mid walls and partitions are constructed in stone. The house owner has no idea on the earthquake resistant constructions and thus has hired all trained masons to build a safer house.*
- *HouseOwner - Santa Sapkota: This one is a three storied house with an attic. It is a brick in mud structure with RCC as lintel above the openings. This house was visited in order to know if the house was repaired after the earthquake. It was constructed just a year before the earthquake and RCC lintel was provided assuming it would render the house more strength. When asked about the future repairs, the house owner answered that they will take down the attic and roof the second floor after the delivery of retrofitting tranche.*
- *HouseOwner - Kedar Sapkota: This too is a brick in cement masonry, one storied, four room structure being reconstructed. Trained masons have been used for the construction and it has been approved for the second tranche. Though Sal wood is available in private field, the house owner is opting for metal truss at roof because some houses constructed in the VDC and nearby VDC has used metal pipes and CGI as roofing material.*
- *HouseOwner - Nara Bahadur Khadka: This is a brick in cement one storied masonry structure being reconstructed. Due to limited land for multiple houses, two houses are being constructed with a common passageway. The major challenge for reconstruction according to the house owner is the availability of trained masons. Four trained masons are being used for the construction and while comparing the cost and time, house being constructed by masons from Terai and India are comparatively cheaper and completed much earlier.*

Discussion:
<p>Field Visit to Panchkhal Municipality</p> <ul style="list-style-type: none"> DUDBC DLPIU engineers were in the process of inspection for the second tranche and four houses (2 brick in cement, 2 RCC) houses were visited. 87 houses at Pipaltar of Panchkhal municipality were constructed and handed over to the community by Habitat for Humanity. The houses are confined masonry structures where RCC is used as confinements and Brick in cement as infills. Treated bamboo with a lifetime of at least 40 years, Bamboo woven walls with mud plaster finish too can be seen in the structures. The CSEB model house made by Habitat for Humanity too was visited. It was built in a public land. It will be used as equipment store and handed over to the local authority later.

Observation / Issue / Recommendation / Activity:	Reference Document
Field Visit Report	Link
Field Visit Pictures	Link

Decisions Made: (outline what decisions you have made during the week, or because of a field visit or particular activity. What, Why, Impacts)
<ul style="list-style-type: none"> This visit was done at easily accessible wards of the municipalities. The next visit will be done to the most remote areas of the municipalities to better understand how accessibility influences the building materials and local architecture along with the reconstruction process.

Questions Collected	Who asked the Q?	Response Provided
When will the retrofitting tranche be provided?	House Owner	Not yet. Ward Office will convey any message that needs to be delivered from NRA.
Trained masons are limited. Many masons at the VDC are either from Terai or India? Are there no criteria for them to be trained?	House Owner	The initial focus and priority was to train the local masons through 7 days training and produce more local masons through vocational training.

Next Steps: (Task, Assigned to, Checkpoint Date)	Person(s) Responsible	Due Date
Field Visit to Rural parts of Municipality	HRRP Kavre	June 2017

Photographs



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