

## NEPAL UPDATE - 2 June 2016

Dave Donald and Karin Richards (HH O/S) travelled to Nepal for a week at the end of April to visit and assess the 3 HH O/S projects:

### **Bhattendande Village Earthquake Reconstruction**

Partners:  
HH O/S  
Rotary Australia World Community  
Service (RAWCS)

First house (Demonstration  
House) to commence September  
2016.



### **Jalapadevi School Sanitation and Health Project**

Partners:  
HH O/S  
IAPMO  
RAWCS  
Teeth & Toilet (T&T)  
Worldskills Foundation  
WS member countries

Project completed. Maintenance kit  
to be handed over in November  
2016



### **Thangpal Dhap School Sanitation and Health Project**

Partners:  
HH O/S  
IAPMO  
RAWCS  
TT  
WS member countries

Plan to start building early November  
2016



## Thangpal Dhap School Sanitation and Health Project

Thangpal Dhap is in District 1 which was the worst hit district in the 2015 earthquake. All houses and the school had major damage.

### The School:

- educates approx. 300 students from a range of ages from 4 to 18yrs of age,
- is used as a hostel for final year students taking exams,
- is used as a regional centre for training,
- toilet block is used by village (although only the section of the village near the school). This will make this project a village as well as a school toilet project.

### Existing school toilet block (built after earthquake by Indian NGO):

- Four Asian pan toilets provided (2 girls and 2 boys)
- Septic tank installation was poor and failing (overflowing)
- There are no soakage lines from the septic tank
- Makeshift shower and hand washing located in the middle of the play area accessed by tapping existing underground main water supply.
- Water supply is from local spring from the mountain. Direct source not discovered.

Meeting held with DD, KR, the Headmaster and school committee and Jeevan, head of the school development committee.

- Discussed contents of letter sent by HH to Jeevan (29/10/15) outlining contributions requested of the school for the project (water tank, assistance in hiring builders, excavation work for septic tanks and soakage, supply of local labour). Jeevan and the Headmaster confirmed their commitment to these items.
- Revisited the design with the women staff who confirmed they would like the girls to still be sited as per the current plan, but would prefer the front wall behind the hand wash area to be say 1ft above the trough only to allow for staff supervision.
- School Headmaster and Jeevan requested the old toilet block be retained and converted into 2 x showers, and that the 4 + 4 new toilets be retained from the February studio proposal.
- Siting of water tank not possible on adjoining building – Jeevan agreed the school would re-site an old water tank stand currently sitting behind the old toilet block for this purpose. Water pressure is reported as good and consistent at the school (the supply line is shared with the village so if there is a fault it is fixed quickly). Proposal is to plumb toilets and handwashing via a new header tank on the re-sited tank stand, but plumb the showers directly into the mains water supply (as the pressure for the showers will be higher).
- School is committed to ongoing cleaning and maintenance of the toilets upon completion. They identified the school watchperson would be the best person to carry out this task. Also the head man from the village has rudimentary plumbing skills and will join the team. Bishnu mentioned that a similar person at Jalapadevi School identified for this role also participated in the build which would be useful for skill development. HH will assist with supplying a maintenance checklist.

### Materials:

- Will use brick. Stone available locally, along with villages skilled in laying - would have to cut the stone in the valley and cart it to site – would take longer and be more expensive than brick.

- Most materials can be sourced through the same hardware store in Melamchi who sourced the materials for Jalapadevi (Jeevan's brother)
- Costings would have to include additional cost of transporting materials from Melamchi to Thangpal Dhap – cost for 4tonne truck is NPR8,000 (which can hold 2000 bricks)

#### Builders:

- No clear head builder identified, but school will work to identify someone locally, or Jeevan will find someone in Melamchi. The importance of this role was discussed.
- No skilled trades in Thangpal Dhap (no plumbers, brick layers or carpenters), but plenty of people for labouring. Head man from village has rudimentary plumbing skills and will join the team.
- Skilled trades would need to come in from Melamchi. Jeevan has contacts through the family hardware store and could recommend some good quality trades. They would need to be locked in early to confirm availability.
- Possible use of carpenter from Banupa (used in Bhattedande toilets) to prefab door structure

#### WS trade team:

- include a bricklayer (septic tank construction) as well as 2 x plumbers.
- For skill transfer, the WS trades should be there for at least 2 weeks.

HH is modifying toilet design for changes discussed and will prepare preliminary cost estimate for 4 + 4 new toilets, plus an estimate for converting the existing toilet block into 2 x showers.

Plan to commence construction early November 2016 after the wet season and festival time.