

Fondation Eagle – Final Report:

Shree Panchakanya Basic School, Chamkhu, Jyamire, Melamchi Municipality.

REFERENCE FF 453-13

1. Summary

1.1 Overview



This is the final report for the work done at Shree Panchkanya Basic School located in Chhamkhu, Jyamire Sindhupalchok, Nepal. The school's facilities were badly damaged by the April 2015 earthquake, which impeded the school's ability to operate. We requested funds to rebuild and repair the damaged structures at the school. The Fondation Eagle awarded a grant of £35,650 in April 2018.

In our proposal, we requested funds to construct an open 2-room building, a toilet building, fencing, furnishing, and to support an English teacher for two years. All of these have been completed as per the original proposal. We must however admit that the project completion date was delayed by several months.

In May 2018, soon after securing the funding, the whole project was launched. The chairman of Mondo foundation together with trustee Nitish Upadhyaya visited the site. We were always anxious to make progress on the project before the oncoming monsoon season however, under unfortunate circumstances beyond our control, last year it arrived prematurely. After much deliberation amongst the project team and villagers, we came to the decision to postpone the remaining work until the monsoon season had passed. Choosing to continue would be unsafe, and it would not have been possible to transport the building materials in a cost-effective manner that respected the budget.

Once the monsoon season subsided, materials were transported to the site and work on the classrooms properly resumed in November 2018. We pushed the project forward side by side with the building project in Laangarche and completed all the main structural work by May of 2019.

We are now looking forward to officially handing over the school building and the facilities to the local school management committee and the local government office of Melamchi Municipality soon after the monsoon of 2019. However, the children have already begun using the classrooms since early June.

1.2 Overall aims of the project:

Our aim was to build enough classrooms in an earthquake resistant manner to allow the school to run up to 8th grad in the future, enabling children to return to proper classrooms as soon as possible. To do this, the school now has nine classrooms, of which Fondation Eagle has funded two classrooms together with another funder who financed three rammed earth buildings.

1.3 Summary of results to date



We have completed all the facilities the school needs which includes classroom building, toilet building, metal fencing around the school compound, equipping the classrooms with desks and benches and setting up of ECD classroom. There are currently 108 children as of June 2019. About 13 children from this school who completed their primary education have moved to a nearby secondary level school. In the future, the school aims to find enough manpower

to run up to grade eight independently so that children can be retained at the school up to full basic education (grade 1 to 8). There are four government-funded teachers at the school and Eagle is funding a fifth teacher.

Overall, it was a successful project : within a year from May 2018 until June 2019, everything was completed to budget.

2. Implementation



The school management committee took the key lead on the construction aspect of the building. They employed on an average 15-20 local skilled and unskilled workers each day during the building of the school. The workforce were mainly locals who are trained masons and also included at least four village masons who were trained at the masonry training programme we conducted in late 2015. Consistent with our general approach, this has ensured further participation of the local community in reconstruction efforts. We deployed a full time site Engineer Mr. Surya Tamang, to supervise the building work at Paanchkanaya for six months period with support from a senior Engineer, Sameer Bajracharya. Mr

Leela Tamang, the school chairperson and Mr. Netra Adhikari, the headmaster worked very hard together with our Nepal team to supply material and to arrange local labour.

Our country manager, Jimmy Lama, together with his team at HELP have frequently visited the school site and reported to us the progress on a regular basis. HELP also invited Engineers from the District Education Office and local Melamchi Municipality Office to back up the supervision work.

2.1 New buildings



Before we began laying the foundation work, it required us to help the school to level the new building site. The new site is about 200 meter below the previous school building site and is much bigger in size to fit the buildings and with sufficient space for a playground too. We began the construction of the new classrooms in the first week of November 2018. By January 2019, the builders completed the foundation work, and erected the metal frame supporting the roof trusses that is fixed to the ground. We then began the brickwork phase forming the exterior walls of the classroom block, and rendering and thereafter the painting work.

Each of the classrooms is installed with a false ceiling. This is to regulate the temperature of the classrooms, and also reduces noise levels, particularly during the monsoon season. All classrooms have been fitted with electric installation, including lighting. Both the interior and exterior walls of the building were painted by mid of May and soon after it, the classrooms were furnished with desks and benches plus whiteboards.



All the buildings were designed using sophisticated software, which helped to model an earthquake resilient frame structure. The reinforcements to the classroom building have been developed in line with structural analysis and modeling conducted through this software. Red bricks have been used for the in-fill wall. We ensure that the bricks we are using are of the highest quality. In addition, the in-

fill wall system is strengthened by use of earthquake resilient steel bands that tie the wall to the frame.

We spent £16,000 towards the building and contributed £2,000 towards the much needed ground leveling and the maintenance cost of the site. So, in total, the building cost was £18,000.

2.2 Toilet Building Construction:



The toilet block at Shree Panchakanya Basic School completed on 11 June 2019.

The new toilet building has been built next to the JICA building. The building has a block of four cubicles, 2 for boys and 2 for girls. The toilet building is designed to fit the available land and meet the users demand calculated on the basis of number of students and teachers. It has a five feet long porch to cover the area from rain. The outer space of the toilet building has a space with several points for water taps. A sophisticated septic tank has been built at a distance of 100 meters so that the waste is treated well and that the liquid waste can

be used for biogas or kitchen garden purpose in the future. It follows the design and measurement exactly like the one we have built at Shree Saraswoti Basic School, Chhamkhu.

The toilet building was built in partnership with an organization called HealthHabitat, who made both financial and technical contribution including placement of highly skillful international plumbers. The school management committee has been provided a training and tool kit for repair and maintenance in the future.

Together with the local masons, the toilet building was supervised from day one to the last day by Bishnu Shrestha, an expert to whom we contracted the work. The construction of the toilet building started in early March and was completed in mid of June. Each cubicle is sized 5 by 6 feet. The cost of the toilet building was £ 7,500 or Rs. 12,00,000.

2.3 Compound Fencing and School Gate:



As we described in the interim report, we have now installed fencing of metal poles and GI wire netting for the total length of roughly 400 feet in length. At the entrance, we also installed a gate so that it prevents any unwanted visitors from entering the school premises without permission and the school area can be lock up when there are no school days. It cost us Rs. 500,000 or £3,500 to do the fencing.

2.4. Furniture and other resources:

Each of the classrooms is equipped with new set of desks and benches (made out of metal frames and wooden planks) and is fitted with a whiteboard. In total. We supplied 30 sets of desk and benches. We have set up an attractive nursery classroom for early graders with carpet flooring, cushioning and small round tables. The room is equipped with a variety of teaching and learning materials that the students and teachers can use.



2.5 Teacher Support

The need for supporting the English teacher has been satisfied and the teacher, Ms. Sushmita Yonjan Tamang has taught for a year. She will continue teaching through our funding up until March of 2019.



3. BUDGET

| S.No. | Heading | Original Budget in £ | Spent in £ |
|--------------|---|-----------------------------|-------------------|
| 1 | Construction of two new classrooms plus ground leveling | 16,000 | 18,000 |
| 2 | Toilet Building | 6,500 | 7,500 |
| 3 | Compound Fencing and School Gate | 3,000 | 3,500 |
| 4 | Classroom set up and furnishing | 2,000 | 4,000 |
| 5 | Teacher's Salaries and Training | 4,000 | 4,000 |
| 7 | Admin costs | 3,500 | 3,500 |
| | Total | 35,000 | 40,500 |

CONCLUSION:

The total expenditure to do all the above at Shree Panchakanya Basic School was £40,500. Between Eagle Fondation and another donor at HealthHabitat, we raised the funds required. Overall the budget was on track, however due to additional work we had to do on ground leveling and higher cost on classroom set up costs, overall costs were £5,500 more than estimated.

Anna Brian and Jimmy Lama
08 July 2019