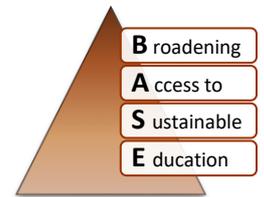




Phu Sa Nam Secondary School - School Building (B)



Facts

Name	Phu Sa Nam
Type of facility	School building
Number of students	408 (225 boys, 183 girls)
Number of teachers	19 (15 men, 4 women)
Number of facilities to be built by us	1 school building with 6 furnished classrooms and 4 toilets
Size of building	336 m ²
Budget	USD 68,209
Construction period	June to December 2018
Project Manager	Supattra Matakoon (Ms)
Location	Phu Sa Nam Village Vieng Kham District Luang Prabang Province Northern Laos

Description

Phu Sa Nam Secondary School is located on top of a mountain in north central Laos, Luang Prabang Province. The school shares the community of the 150 year-old Phu Sa Nam Village, where the locals' daily occupation is fulfilled with subsistence terrace agriculture. Phu Sa Nam educates students aged 11 to 17 years old, starting from lower secondary level (grades 1 – 4) to upper secondary (grades 1 – 3). The campus consists of 1 concrete school building which offers 6 classrooms (2 of which are converted to teachers' rooms) and 2 makeshift bamboo buildings, one with 4 classrooms and another with 2. Other facilities are a kitchen area and 2 toilets, which fail to provide the students sufficient latrine facilities. Built in 2013 under government support, the concrete building is still in good condition; however, the bamboo buildings have deteriorated considerably since its basic assembling by the community's modest support. The structures' frail walls of thin bamboo paneling which are erected only half way through from the zinc roof pose a vulnerable learning environment to the students during the frequent strong winds on the peak, which can at times heavily damage the classrooms. The impoverished community would then need to come together to renovate to enable the students to continue their studies. Especially during the wet season, the lessons are often halted due to water leaking in from the heavy rain and storms. The overcrowded classrooms caused by the increasing number of enrolments has given us all the more urgent reason to support the school's infrastructure. We wish to contribute by replacing the 2 run-down bamboo structures with the construction of 2 concrete school buildings (A and B), hosting 6 classrooms each with the necessary furnishings (desks and chairs) and 8 toilets. This proposal is, however, for building B only, and equipped with 4 toilets. The students deserve a much more welcoming and motivating environment, and this will provide an incentive for them to pursue their secondary education, paving their path towards higher education. Their annual dropout rate of 3% is expected to decrease significantly as well.

Map



Implementation

The construction work is planned to start in June 2018 and will take approximately seven months to complete by end of December 2018. In each of our construction project, our approach always involves the community to encourage ownership and a sense of solidarity. In this case, the community will contribute materials namely wood for roof construction, support the implementation of scaffolding and wooden framework of the building, filling in the soil foundation as well as digging trenches for concrete footings. For the actual construction work, a professional contractor is hired under a package deal. He will not only be responsible for the labour but also for purchasing the required materials and its transportation to the site. He will be paid in instalments according to the progress of the construction work and 5% of the total labour cost will be held back for one year as a guarantee for the quality of the work. The school administration will be responsible for the facilities after the construction is complete. We consider this a low-risk project as there is sustainability from ongoing upkeep by the community's enthusiasm and active engagement. Nevertheless, the dirt road might pose some transportation challenges, especially during the rainy season.

Photos



The inside of a classroom in one of the bamboo buildings, very much lacking in decent resources...

Budget

FX USD/THB 31.20

Item	THB	USD	In %
Construction Materials	1,457,039	46,700	68
Labour	224,057	7,181	11
Interior & Furniture	134,849	4,322	6
Transportation	84,055	2,694	4
Implementation & Monitoring	79,167	2,537	4
Administration Overhead	148,970	4,775	7
Total Budget	2,128,137	68,209	100



...and the walls of the thin bamboo woven panels are torn, exposing adjacent classrooms and noises of different lessons, resulting in distractions.



The outer look of one of the makeshift buildings with the other one situated at the back.



The recently-built concrete building 100% supported by the Laotian government. The classrooms are now seriously overcrowded.