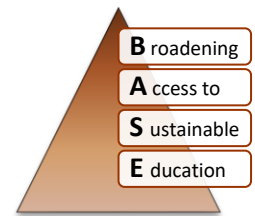




# Bung Ma Lower Secondary School – School Building Construction and Renovation



## Facts

Name	Bung Ma
Type of facility	School Building
Number of students	469 (232 boys, 237 girls)
Number of teachers	26 (8 women, 18 men)
Number of classrooms to be built by us	1 new building with 5 fully furnished classrooms, renovation of 2 unfinished concrete buildings, and 4 additional toilets
Size of building	280 m <sup>2</sup> (new building)
Budget	<b>USD 68,175</b>
Construction period	November 2018 – June 2019
Project manager	Mr. Somsak Kamdang
Location	Bung Ma Village Paklay District Xaignabouli Province Laos

## Description

Bung Ma Lower Secondary School is located in Bung Ma Village, Paklay District, Xaignabouli Province, northern Laos. The village has 1,416 residents and is home to 290 families. The vast majority of the population is dependent on subsistence agriculture, plantation work, and animal husbandry for their living. Established in 1980, Bung Ma Lower Secondary School has 3 school buildings (2 incomplete concrete buildings and 1 rotten wooden building) with a total of 14 classrooms, 3 teachers' rooms, and a computer room. The construction works of 2 concrete buildings were halted due to a severe budget shortage. The concrete building built in 2017 with 4 classrooms has unfinished cinder block walls, a zinc metal roof and a concrete floor. The other concrete building built in 2009 has only 3 walled rooms and the rest is an undivided open hall with dirt floor. The students cannot focus on their studies and easily get distracted in this chaotic environment, creating an uncondusive environment for teachers and students. The wooden building built in 1995 is mainly made out of wood slats with a zinc metal roof. The ceilings are falling apart and the whole building is on the verge of collapsing. Due to substandard construction and materials, it deteriorated rapidly, beyond repair and in dire need of replacement. Currently, there are 469 (237 girls and 232 boys) students aged 11-17, in attendance. Therefore, a new and standardised school building with 5 fully furnished classrooms is urgently needed. We will also renovate the two unfinished concrete buildings, to provide a more motivating learning environment. This new building and the renovation of the 2 unfinished buildings will emphasise the importance of education to the community and provide an incentive for the children to properly complete their lower secondary level and further in their education. In addition, we will also build 4 new toilets to help improve the sanitation standards at the school and prevent hygiene-related illnesses, hence reducing dropout rates. The school further plans to open secondary grade 7 in the 2018/19 academic year. The new building will also cater to the higher number of students expected in the future.

## Map



## Implementation

To improve the current learning environment, we decided to renovate the 2 unfinished concrete buildings and build a new school building with 5 fully furnished classrooms (to replace the rotten wooden building), and provide 4 additional toilets, which will allow students to fully benefit from their education. As with all our projects, the local community will be involved in the construction process. Involvement of the community is critical, as it encourages a stronger sense of ownership over the project. The community will contribute by providing manual labour, sand and gravel, and filling the school foundation. A local contractor will be hired to manage the labour and transportation of materials, oversee the construction, and arrange for the needed furniture. Payments will be made in instalments, according to the progress of the construction with 5% of the total labour cost held back for one year, as a guarantee for the quality of the work. The teachers' salaries and training is supported and managed by the government. The school management and the community have agreed to maintain and manage the facility after completion. We consider this a low risk project. The school location is close to the main road and accessible all year round. Construction will begin in November 2018 and is targeted to be completed in June 2019.

## Photos



Students attending classes in the unfinished and undivided open hall building. Full of dust and rain.

## Budget

Construction of 1 building w/5 fully furnished classrooms			Renovation of 2 unfinished classrooms		
Item	USD	In %	Item	USD	In %
Construction Materials	25,817	55	Construction Materials	11,538	54
Interior Equipment / Furniture	3,632	8	Interior Equipment / Furniture	0	0
Labour Costs	11,206	24	Labour Costs	7,041	33
Transportation and Equipment Rental	1,056	2	Transportation and Equipment Rental	577	2
Implementation and Monitoring Cost	1,738	4	Implementation and Monitoring Cost	798	4
Administration Overhead	3,270	7	Administration Overhead	1,502	7
<b>Total Budget</b>	<b>46,719</b>	<b>100</b>	<b>Total Budget</b>	<b>21,456</b>	<b>100</b>



Exterior of the unfinished concrete building with 4 classrooms.



Secondary students waiting for their class outside the dilapidated wooden building.



The ceiling of the wooden building has deteriorated notably and is on the verge of collapsing, endangering students attending classes.