



Final Report

Las Flores School

Peten, Guatemala
May 26, 2023

Overview

In February 2023, The Global Uplift Project (TGUP) agreed to construct a two-classroom complex at the Las Flores School in Peten, Guatemala. Las Flores is a rural community of around 500 inhabitants located 53 miles from La Libertad, the municipal capital. Existing classrooms were exceedingly decrepit (more below). Work would be supervised by TGUP's Guatemalan partner, Seeds of Learning, with labor contributed by local community members. The project would cost \$26,770. It was completed on May 15th, 2023.



Project Need



Guatemala is one of the poorest countries in the Western hemisphere. Las Flores is an agricultural community, with most residents working small plots of land for produce and raising small amounts of livestock. Electricity is available to all the homes as well as running water. There is no community-wide sewerage service, meaning homes use latrines or sanitary pits. The community school has 106

students, four teachers, and four classrooms.

Two of the four classrooms were grossly sub-standard. They were built on thin concrete foundations which had cracked throughout. Their walls were made of wooden planks

which had shrunken and decayed. The zinc-sheeted roof was intact, though some sheets were missing. As a result of these conditions, water constantly got into the classrooms, especially during the nine-month rainy season, making them unusable. See, for example, the water on the classroom floor in the above photo.

The Project



The project completed two adjoining classrooms of 20 x 26 feet each. There is a perimeter foundation supporting the walls and a 6-inch steel-mesh reinforced slab for the center floor area. Walls are made of cinderblocks with rebar reinforced concrete columns. The roof is made of zinc-coated sheet metal, built on a frame of 2 x 4 inch u-shaped steel purlins.

The project includes installation of wiring and electric (LED) lights. Each classroom has two metal frame doors and four metal frame windows. A framed metal canopy overhangs the front of the classrooms and a 9 x 52 foot sidewalk provides easy, secure access. The structure conforms to all local and national building code standards. It is designed and estimated to last 50 years.

Construction

Construction began on February 13, 2023. Design and work were overseen by Seeds of Learning's Guatemala staff, which has completed more than 200 similar such projects in Guatemala, Nicaragua, and El Salvador. It was sanctioned by the **Comite de Pares de Familia de las EORM CASERIO Las Flores** (Parents Committee of the Las Flores School).

In addition to the Seeds of Learning technical staff, the project was carried out with the help of parents from the school and other community members.

Mariela Gonzalez, 35, is the principal of the school. She also served as chairperson of the construction committee. She is a former professional soccer player and a big champion of whole-life activities for the school's children. Her presence on the committee brought other community members in.





Morel Ramos, 44, has six children, including one currently attending the school and five others who had graduated from the school earlier. He is considered the best builder around. When the school needed a local construction foreman, he knew he had to do it. So, he volunteered. All the workmen knew and respected Morel.

Thanks to him, the project was completed on schedule, at standard, and within budget. It will help *thousands* of children have a better chance in life.

Summary

Work was completed on May 15th, 2023. It was commemorated by the entire village and many people from surrounding villages. The expected benefits include:

- Improved school attendance, completion, and performance.
- Improved compliance with national education standards of proficiency, quality, and access.
- Better chances for students to complete the syllabi for grades that were using the older classrooms.

Project Budget

CONSTRUCTION OF TWO CLASSROOMS LAS FLORES, GUATEMALA				
Category	Description	Unit Cost	Qty	Total cost in US\$
Construction materials	Cement bags	\$9.33	210	\$1,959.30
	Sand (m3)	\$33.33	30	\$999.90
	Gravel (m3)	\$40.00	14	\$560.00
	Cinder blocks	\$0.80	1300	\$1,040.00
	Quarries materials (truck load)	\$110.00	3	\$330.00
	Steel bars 3/8" qq	\$51.00	18	\$918.00
	Steel bars 1/4"	\$49.00	10	\$490.00
	Tying wire	\$1.60	60	\$96.00
	4x2" x 20' Ch 14 metal beam	\$59.00	4	\$236.00
	4x2"x 20' ch 16 metal beam	\$51.00	6	\$306.00
	4x2"x17.5 m ch 14 purling	\$43.00	33	\$1,419.00
	4x2"x 6m ch 16 purling	\$18.00	4	\$72.00
	3" nails (pounds)	\$1.60	30	\$48.00
	3" iron nails box	\$6.00	10	\$60.00
	2.35 x 6 m. steel mesh	\$32.00	10	\$320.00
Cal 26 roofing sheets x 4.2 m	\$51.00	18	\$918.00	

	Cal 26 roofing sheets x 5.3 m	\$65.00	18	\$1,170.00
	Roofing sheet screws	\$0.16	800	\$128.00
	Roof ridge cap (units)	\$12.00	9	\$108.00
	Truck trips	\$100.00	5	\$500.00
	Welding rod pounds	\$3.00	27	\$81.00
	Cutting disk 7"	\$5.50	6	\$33.00
	Cutting disk 4.5"	\$2.50	8	\$20.00
	Grinder disk 4.5	\$2.50	3	\$7.50
	Anticorrosive silver spray paint	\$5.00	4	\$20.00
	Metal doors	\$210.00	4	\$840.00
	Windows protection bars	\$150.00	8	\$1,200.00
	Wall paint (5 gal bucket)	\$40.00	6	\$240.00
	Flexible electrical conduit pipe (box)	\$12.00	4	\$48.00
	Electrical wire #12 (box)	\$86.66	6	\$519.96
	Double power sockets	\$4.50	4	\$18.00
	4x2 electrical wall boxes	\$1.00	6	\$6.00
	double wall switches	\$4.80	2	\$9.60
	Socket and bulbs	\$10.50	4	\$42.00
	New-wall paint (5 gal bucket)	\$55.00	6	\$330.00
	Thinner (galons)	\$10.00	6	\$60.00
	Paint roller kit	\$7.00	3	\$21.00
	Paint roller cover	\$5.00	6	\$30.00
	Paintbrushes 4"	\$2.75	4	\$11.00
	Paintbrushes 2.5"	\$2.00	6	\$12.00
	1"x10"x15' wood plank	\$15.00	15	\$225.00
	2"x2"x15' wood beam	\$6.00	10	\$60.00
	1"x 3" x 15'	\$4.50	10	\$45.00
	Tools fund	\$200.00	1	\$200.00
	Sub-total			\$15,757.26
Admin Expenses	Transport	\$65.00	8	\$520.00
	Food	\$4.00	50	\$200.00
	Round Trip airfare MGA - FLR	\$1,000.00	2	\$2,000.00
	Sub-total			\$2,720.00
Personnel	Masonry (labor days)	\$26.66	60	\$1,599.60
	Builder assistant (labor days)	\$13.50	60	\$810.00
	Welder	\$96.00	7	\$672.00
	Community Labor (work days)	\$13.50	120	\$1,620.00
	Field supervision (monthly)	\$375.00	2	\$750.00
	Sub-total			\$5,451.60
	Total General			\$23,928.86
	Community contribution			\$1,620.00
	Project management			\$4,461.77
	Amount Requested			\$26,770.63