



# TGUP Project Details

## Two new classrooms, latrines, desks and school supplies

Monte Carmelo  
Peten, Guatemala

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**PROJECT SUMMARY:** Provide design, materials, supervision, and qualified labor (builders) to build two classrooms for students who are currently hosted in crumbling wooden structures in the Public Rural School of Monte Carmelo Village, in Peten, Guatemala. The project will also provide resources to install a 600-watt solar power system, two latrines, and

classroom furniture. The total cost will be **USD \$ 29,503.28.**

The project can be funded in full or by sub-project:

**Two classrooms:** The building to be constructed will measure 20 x 52 feet. Each classroom will be 20 x 26 and will be made of rebar-reinforced concrete, cinder blocks. Total cost for two classrooms: \$24,824.58. Or if built individually, \$13,000 each.

**Latrines:** The school currently has pit latrines that are near collapse and unsafe. This project will build two new pit latrines. Total cost: \$973.88.

**Solar installation:** The project will provide resources to install a 600-watt solar power system, including two solar panels, a battery, solar charge controller, an inverter, wiring and light bulbs. Total cost: \$1,731.06.

**Classroom furniture:** This will provide desks and chairs for the teachers, whiteboards, bookshelves, and 25 desk for the preschool children. Total cost: \$1,973.96.

## **PROJECT PARTNERS FOR CONSTRUCTION:**

- 1) The Global Uplift Project (TGUP)
  - 2) Seeds of Learning (SOL)
  - 3) Comite de Padres EORM Caserio Las Flores, Peten
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- 1) **The Global Uplift Project (TGUP)** helps American individuals and groups build classrooms and other infrastructure projects in the developing world. Since its founding in 2007, TGUP has completed more than 390 such projects in 26 countries in Asia, Central America, and Africa. TGUP is an IRS registered 501c3 nonprofit.
  - 2) **Seeds of Learning (SOL)** has worked with communities in Central America since 1991 to improve access to education. It has constructed 258 classrooms with 81 different communities across Nicaragua, El Salvador and Guatemala. SOL has one office Nicaragua, and headquarters in northern California. SOL is an IRS registered 501c3 nonprofit. SOL has the capacity to establish an office in Guatemala with Nicaraguan staff.
  - 3) **Comité de Padres de Familia de la EORM CASERIO Monte Carmelo** (Parents Committee of the School) is the legally registered organization who will be in charge of the project implementation, financial management and the mobilization of community volunteers and resources. It is made up of the students' parents and the schoolteachers and have all the institutional power and capacity to implement this project under the supervision of SOL staff.

## **PROJECT MANAGEMENT:**

### **The Global Uplift Project**

#### **Senior Executive:**

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#### **Supervising Executive:**

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### **Seeds of Learning**

#### **Senior Executive:**

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Executive Director  
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#### **Supervising Executive:**

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**POSSIBLE PROJECT DATES:** September 15 – November 30, 2023

## **TIMELINE:**

- May 15-25: Construction of foundation.  
May 25–Jun 25: Construction of the concrete structure and walls.  
Jun 25-30: Construction and installation of the roof.  
Jul 1-6: Pouring of the floor slab. Procurement of furniture and equipment.  
Jul 7-12: Stucco and painting. Electrical installations. Doors and windows bars fabrication.  
Jul 13-18: Windows and doors installed.  
Jul 30: Inauguration

## **ABOUT THE COMMUNITY:** Monte Carmelo is a rural community of the La



Libertad municipality, in the department of Peten, Guatemala. It is located 10 miles away from La Libertad, the municipal capital, and 12.5 miles from Flores, the departmental capital. Access to the community is mostly paved, with just three miles of all-weather dirt road. The community is inhabited by around 400 people, who mostly survive from

agriculture, either as owners of their own farm or working for other farmers. Some people own other types of small businesses like stores, food stalls, barber shops, etc. Most the population belong to the Maya Q'eqchi ethnic group and speak their own indigenous language as well as Spanish. The community has a water supply system managed by the community, but lack other basic services, like electricity, health care or sanitation. To access health care services, they need to travel to neighboring villages, the municipal, or the departmental capitals.

**ABOUT THE PROJECT:** The community has an elementary school that serves 87 children from preschool through sixth grade. The school has four teachers: one for preschool and three for primary grades. The infrastructure consists of two buildings with two classrooms each, on two different pieces of land located a few blocks away from each other. The buildings are made of rustic timber boards, covered with galvanized metal roofing sheets. The windows are made of chicken



wire mesh. There are signs of serious deterioration caused by termite infections in the structures. There are pit latrines in both school buildings made with metal sheets and crumbling wood; they don't look very safe for small children, who prefer to relieve themselves in the open behind the school. The buildings were originally made by community volunteers and look like provisional structures.



To deal with the existing limitations, the community and the teachers have requested the construction of four classrooms to replace the two existing ones and provide all the teachers with the facilities to teach all the existing grades in the morning. However, in this first stage we

propose to build at just two classrooms and two latrines.

Each classroom will measure 26 x 20 feet each, for a total of 20 x 52 feet of construction. The foundations and the building will be made of cinder blocks with rebar-reinforced concrete columns and beams. The floor of the main building and the verandah will be made of concrete, reinforced with steel mesh. The roof will be made of a steel structure covered with galvanized metal sheets. Each classroom will have two doors that will be locally made with metal frames and steel sheets.

The windows will be protected with metal bars. In front of the building will be a roofed walkway 52 x 9 feet.

Two latrines will also be made with metal purlins and metal sheets, and the walls and roof will be made of galvanized metal sheets.

The project also includes the installation of electrical wiring and lights. Included will be a solar kit to provide the school with electricity for use with audio and video in classes. This will consist of a 600-watt capacity system and will include solar panels, batteries, solar charge controller, solar inverter, and accessories. Every classroom, including the two old ones, will be equipped with desk and chair for the teacher, one whiteboard, and one bookshelf. The preschool will also be



equipped with 25 student desks, including tables and chairs. More pictures of the school and community are available [here](#).

**METHODOLOGY:** Seeds of Learning will work together with the School Parents Committee and the Teachers to manage the project. The donation will fund the design, construction materials, supervision staff, logistics and the salaries of a local master builder and a builder assistant. The teachers and School Parents Committee will mobilize the community and parents to provide non-qualified labor to help build the two classrooms in the shortest time possible. Other type of support by the community, like food for the volunteers and tools, is also expected.

**ANTICIPATED BENEFITS:**

- Improved compliance with the education standards for quality and access. The students and teachers will enjoy a comfortable space that will enable improved attention and facility for creative and more dynamic educational activities.
- Better chances for completing the syllabus planned for the grades currently using the old and dilapidated facilities.
- Improved school attendance, completion and performance.

**PRIMARY BENEFICIARIES:**

- 87 preschool and elementary school students
- 4 teachers
- 400 inhabitants

**BUDGET SUMMARY:**

Two classrooms:	\$ 24,824.58
Latrines:	\$ 973.88
Solar installation:	\$ 1,731.06
Classroom furniture:	\$ 1,973.96
<b>Total Requested:</b>	<b>\$29,503.48</b>

**BUDGET DETAILS: on next pages**

**CONSTRUCTION OF TWO CLASSROOMS AND LATRINES MONTE CARMELO, LA LIBERTAD,  
PETEN, GUATEMALA**

Category	Description	Unit Cost	Quantity	Total cost in US\$
<b>Construction materials</b>	<b>Two Classrooms</b>			
	Cement bags	\$8.70	250	\$2,175.00
	Sand (truck load)	\$774.00	1.5	\$1,161.00
	Gravel (truck load)	\$774.00	1.5	\$1,161.00
	Cinder blocks	\$0.83	1300	\$1,079.00
	Quarries materials (truck load)	\$110.00	2	\$220.00
	Steel bars 3/8" qq	\$43.87	16	\$701.92
	Steel bars 1/4"	\$45.00	8	\$360.00
	Tying wire	\$1.60	100	\$160.00
	4x2" x 20' Ch 14 metal beam	\$57.00	4	\$228.00
	4x2"x 20' ch 16 metal beam	\$38.70	6	\$232.20
	4x2"x17.5 m ch 16 purling	\$48.39	22	\$1,064.58
	3" nails (pounds)	\$1.60	30	\$48.00
	3" iron nails box	\$6.00	10	\$60.00
	2.35 x 6 m. steel mesh	\$33.00	10	\$330.00
	Cal 26 roofing sheets x 4.2 m	\$43.00	18	\$774.00
	Cal 26 roofing sheets x 5.3 m	\$54.00	18	\$972.00
	Roofing sheet screws	\$0.16	800	\$128.00
	Roof ridge cap (units)	\$12.00	9	\$108.00
	Truck trips	\$50.00	5	\$250.00
	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 (gallons)	\$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
	<b>Sub-total</b>			<b>\$15,291.76</b>
<b>Admin Expenses</b>	Transport	\$54.69	2	\$109.38
	Food	\$3.37	50	\$168.28
	Project management & reporting	\$4,137.43	1	\$4,137.43
	Managua-Guatemala-Managua air ticket	\$673.12	2	\$1,346.24
	<b>Sub-total</b>			<b>\$5,761.33</b>
<b>Personnel</b>	Masonry (labor days)	\$22.43	65	\$1,458.06
	Builder assistant (labor days)	\$11.36	65	\$738.33
	Welder	\$80.77	7	\$565.42
	Community labor	\$11.36	120	\$1,363.07
	Field supervision (monthly)	\$336.56	3	\$1,009.68
	<b>Sub-total</b>			<b>\$5,134.56</b>
	Community contribution			<b>-\$1,363.07</b>
	<b>Total Two Classrooms</b>			<b>\$24,824.58</b>

Two Latrines			
Item	Unit Cost	Quantity	Total Cost in US\$
Latrines	\$300.00	2	\$600.00
Admin			\$63.69
Labor			\$201.38
Project management & reporting			\$162.27
Community contribution			<b>-\$53.46</b>
	<b>Total Two Latrines</b>		<b>\$973.88</b>

Solar Installation			
Item	Unit Cost	Quantity	Total Cost in US\$
600W Solar kit (solar panel, batteries, inverter, controller, wiring, etc)			\$1,066.00
Admin			\$113.29
Labor			\$358.21
Project management & reporting			\$288.65
Community contribution			<b>-\$95.09</b>
	<b>Total Solar</b>		<b>\$1,731.06</b>

School Furniture			
Item	Unit Cost	Quantity	Total Cost in US\$
Teacher desks	\$88.00	4	\$352.00
Teacher chairs	\$40.00	4	\$160.00
Whiteboards	\$88.00	4	\$352.00
Bookshelves	\$88.00	4	\$352.00
Preschool desks	\$46.00	25	\$1,150.00
<b>Subtotal</b>			<b>\$1,216.00</b>
Admin			\$129.12
Labor			\$408.25
Project management & reporting			\$328.97
Community contribution			<b>-\$108.38</b>
<b>Subtotal</b>			<b>\$757.96</b>
<b>Total Furniture</b>			<b>\$1,973.96</b>