



TGUP Project Details

Githage Secondary School Classroom

Githage, Kenya

PROJECT NAME:
Githage Secondary School Classroom

PROJECT SUMMARY:

Provide design, materials, labor, and



supervision while working with the people of Githage, Kenya to build a classroom measuring 28' x 28' at the St Mary Magdalene Githage Day Secondary School. With the Covid pandemic, the design will enable the building to host more students as well as observe social distance during the sessions. The project will cost \$14,876. Of this, \$1,600 is being contributed by the community, leaving \$13,276 to be funded. This will be the 8th classroom TGUP has built in Kenya. Prior classrooms are show on the last page.

PROJECT PARTNERS:

The Global Uplift Project (TGUP) helps American donors build small-scale infrastructure projects in developing countries from donations as small as one dollar. Since its founding in 2007, TGUP has completed more than 150 such projects in 17 countries in Asia, Central America, and Africa. TGUP is a registered 501c3 nonprofit.

Kiini Sustainable Initiative (KISI) works with communities in Central Kenya to improve access to education for all Kenyan citizens regardless of income or ethnicity. It has completed many projects with TGUP at schools in Central Kenya. KISI is a

registered Non-Governmental Organization under the Kenyan NGO coordinating board.

PROJECT MANAGEMENT:

Kiini Sustainable Initiative

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PROJECT DATES: Immediate, 2021

PROJECT DETAILS:

The project will start by excavation to level the land. A strong foundation will be laid covered by a reinforced floor which will have a red oxide final coat. The classroom will have stone walls, 5 glazed glass windows and one steel door. The roof will be comprised of colored iron sheets which will last for many years.

A blackboard will be fixed on the front wall of the room. The metal window frames, and the walls, will be primed and then given three coats of paint. The front of the classroom will have a verandah with metal poles supporting the roof. In all, the building is expected to take three months or less to complete. The finished structure will last for at least 40 years.

Currently, the school is required to limit enrollment due to lack of facilities and classroom space. The new classroom will allow more students to attend school and create an environment that is conducive to good learning

The project will cost \$14,876 in total, but the local community will provide \$1,600 in labor towards the cost. All funds raised go into the project.

ABOUT THE COMMUNITY:

Githage is a growing village located in a rural area of Gichugu in Kirinyaga County with a population of 11,711 people. There are 3,215 households with many families having between 5 and 8 children. The majority of locals are peasant farmers growing maize, coffee, French beans and tea. Most people live below the poverty line and live in houses made of wood planks and roofed with iron sheets. Most of the families share pit latrines that are outdated and at risk of collapse and most of the schools lack basic facilities and sufficient classroom space.

The homes rely on water coming from Mount Kenya which is the highest mountain in Kenya and the second highest in Africa. Some homes have electricity, depending on the grid and the family income. Githage has a marketplace called Mukarara which is a “converging village,” where families meet to exchange goods and services for survival.



ABOUT THE SCHOOL:

Githage Secondary School was started in January 2014 to support the children who had been educated at the primary school. Some of the land belonging to the primary school, that included 5 classrooms, was given to the secondary school so that classes could start. In January 2016, the Principal was assigned to manage the school and in February 2017 the school attained full secondary school certification from the Ministry of Education.

Currently, the school has a population of 118 students (61 boys and 57 girls), 9 teaching staff and 6 support staff. The school has 5 classrooms inherited from the primary school, all in need of upgrading. The school has a small farm including coffee, dairy cows and a kitchen garden for food supplements. Electricity is not fully

distributed and is currently only available in a staffroom that is also shared by the principal, the deputy and the secretary. The water supply is also not fully distributed and so they rely on water from a nearby church borehole.

The school has continued to grow and in 2020, the population increased by 40 students. The school has great potential for growth to absorb the growing population by provisioning more classrooms, latrines and electricity. The students' enrollment per class is as follows:

Class	Boys	Girls	Total
Form 1	18	10	28
Form 2	14	14	28
Form 3	17	23	40
Form 4	12	10	22
Total	61	57	118



The school lacks sufficient classrooms and the existing ones are in bad shape. No science laboratory, no library or storage room for textbooks, and no dining hall. They also lack rooms for technical subjects like home science, woodwork, etc. There are inadequate washrooms and the existing ones are in a very bad shape, especially for teachers, which lowers their morale. The existing water harvesting system is very weak and temporary and need to be enhanced so as to reduce the time spent fetching water from the local church. These are planned for future projects.



Enrollment continues to gradually increase but is limited by the crumbling infrastructure of the student classrooms which do not meet the Ministry of Education’s requirements. This has resulted in students either not going to school at all or joining other schools that are miles away. The increase in truancy has led to an increase in drug and substance abuse as well as early marriages. Boys are employed as shamba boys (male prostitutes) or watchman. Girls are misused and it is for this reason KISI through TGUP’s Girls’ Equality Project, we supplied many hundreds of reusable kits to girls and some community young mothers. More Kits need to be distributed to ensure hygiene and full attendance by adolescent girls.

SUMMARY AND EVALUATION:

We rate this high priority project based on several factors:

- Existing resources are overstretched and deficient;
- Expansion will be utilized immediately;
- Expansion will open up access to facilities for new high school classes;
- The school faculty and administration are cooperative;
- KISI has an excellent working relationship with the local community;
- TGUP’s long and productive history of working with KISI (since 2009);
- The project conforms with both TGUP’s and KISI’s core missions;
- The project has the explicit endorsement of the Ministry of Education and the Ministry of Health
- The project will serve as a model for expansion of other schools in the area.

BUDGET SUMMARY:

Material		\$ 9,497
Labor		\$ 3,166
Project Management		<u>\$ 2,213</u>
	Total	\$ 14,876
Labor (community contribution)		<u>\$ 1,600</u>
	Total	\$ 13,276

GITHAGE DAY SCHOOL MATERIALS BUDGET FOR ONE CLASSROOM

#	SUB-STRUCTURE/ SUPERSTRUCTURE	UNITS	QTY	RATE	KSH	USD\$
1	Concrete blocks 8"	No.	409	60	24,540	245.40
2	Concrete blocks 6"	No.	1056	80	84,480	844.80
3	Cement 50kg	Bags	116	750	87,000	870.00
4	Crushed stones/ballast	Tonnes	20	1,900	38,000	380.00
5	Murram	Tonnes	28	1,500	42,000	420.00
6	Sand	Tonnes	23	2,700	62,100	621.00
7	BRC WireMesh	Rolls	1	6500	6500.00	65.00
8	Ant termite poison 1ltr	No.	1	3,500	3,500	35.00
9	D-10 deformed bars	No.	20	1,060	21,200	212.00
10	D-12 deformed bars	No.	5	1,340	6,700	67.00
11	D-16 deformed bars	No.	8	1,800	14,400	144.00
12	Polythene sheet	No.	1	10,800	10,800	108.00
13	R-6 bars	No.	18	800	14,400	144.00
14	Concrete Wire 2"	Roll	1	9,200	9,200	92.00
15	Brick Wire 4"	Roll	5	6,500	32,500	325.00
16	Brick force Wire 6"	Roll	8	300	2,400	24.00
17	Air vents	Pair	7	250	1,750	17.50
18	Tie Wire (2.5mm)	Rolls	3	450	1,350	13.50
19	DPc 8"	Roll	1	2,000	2,000	20.00
20	DPc 6"	Roll	2	1,000	2,000	20.00
21	Wire nails 5"	kgs	3	200	600	6.00
22	Wire nails 4"	Kgs	3	200	600	6.00
23	Wire nails 3"	Kgs	3	200	600	6.00
24	Wire nails 2"	Kgs	3	200	600	6.00
25	Steel nails 4"	Kgs	3	350	1,050	10.50
26	Steel nails 3"	Kgs	3	350	1,050	10.50
27	Steel nails 2"	kgs	3	350	1,050	10.50
28	Wheelbarrow	No.	1	5,000	5,000	50.00
29	Spade	No.	1	1,200	1,200	12.00
30	Shovel	No.	1	1,200	1,200	12.00
31	Hoe	No.	1	1,000	1,000	10.00
32	Claw hammer	No.	2	700	1,400	14.00
33	Hacksaw blade	No..	3	300	900	9.00
34	Cutting disc	No.	1	500	500	5.00
35	Drums 210 liters	No.	1	5,000	5,000	50.00
36	Metal buckets	No.	3	1,000	3,000	30.00
Subtotal					491,570	\$4,915.70

ROOFING						
37	IT4 roofing sheets 3m	No.	24	4,000	96,000	960.00
38	IT4 roofing sheets 2m	No.	10	3,500	35,000	350.00
39	IT4 Ridges 2mx0.5mm	No.	5	700	3,500	35.00
40	U hooks roofing nails	No.	264	35	9,240	92.40
41	Spider trusses ST250.4.0m	No.	5	900	4,500	45.00
Subtotal					148,240	\$1,482.40
CARPENTRY WORKS AND TIMBER						
42	Timber 200x25x5m	No.	15	1,200	18,000	180.00
43	Timber 150x50x5m	No.	9	1,100	9,900	99.00
44	Timber 100x50x5m	No.	5	1,000	5,000	50.00
45	Timber 50x50x5m	No.	13	700	9,100	91.00
46	10mm thick soft board	No.	2	900	1,800	18.00
47	Block board 18mm	No.	16	1,800	28,800	288.00
48	Hardwood doors 2100x920	No.	1	9,000	9,000	90.00
49	1 lever mortice lock	No.	1	1,200	1,200	12.00
50	Barrel bolts 75mm	set	1	500	500	5.00
51	Wood screws	pkt	1	400	400	4.00
Subtotal					83,700	\$837.00
METAL WORKS						
52	Door frame and Steel door	No.	1	20,000	20,000	200.00
53	Installation of cables and electricity	set	1	30,000	30,000	300.00
54	Verandah Supporters	No.	4	6,600	26,400	264.00
Subtotal					76,400	\$764.00
PAINTING AND FINISHING						
55	Undercoat 5 liter bucket	No.	3	2,800	8,400	84.00
56	PVA cream 5 liter bucket	No.	3	2,500	7,500	75.00
57	Green chalkboard 4 liter bucket	No.	1	3,000	3,000	30.00
58	Green gloss 4 liter bucket	No.	1	3,000	3,000	30.00
59	Black bituminous 5 liters	No.	1	3,000	3,000	30.00
60	Thinners 5 liters	No.	4	1,000	4,000	40.00
61	Clear varnish 4 liter bucket	No.	1	1,800	1,800	18.00
62	Wood primer 5 liter bucket	No.	1	1,800	1,800	18.00
63	Wood glue 4 liter	No.	1	1,300	1,300	13.00
64	Window glazing	Item		28,000	28,000	280.00
65	Windows (metal)	No.	4	6,000	24,000	240.00
66	Painting glasses	sheet	3	5,000	15,000	150.00
Subtotal					100,800	\$1,008.00
67	Plans, permits, inspection, misc				49,000	\$490.00
Grand Total					949,710	\$9,497.10

Prior Classrooms TGUP Has Built in Kenya



Naro Moru



Mureru



Ngenia



Mathaithi



Gakawa



Ngungu



Shining Star