



TGUP Project Details

Mwicwiri Primary School

Naromoru, Nyeri, Kenya



PROJECT NAME: Mwicwiri Primary School

OVERVIEW:

Provide design, materials, labor and supervision while working with the people of Mwicwiri , Kiamathaga/Naromoru ward, Kieni East subcounty , Nyeri county community to build a new classroom measuring 30'x 30' at the Mwicwiri Primary School. The Project will cost \$21,411. Of this, \$3,155 is being contributed by the community, leaving the total budget at \$18,256. This will be the 11th classroom complex TGUP has built in Kenya and the 139th project it has completed with KISI.

PROJECT PARTNERS:

The Global Uplift Project (TGUP) helps American donors build small-scale educational infrastructure projects in developing countries from donations as small as one dollar. Since its founding in 2007, TGUP has completed more than 500 such projects in 26 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 registered as a Non-Governmental Organization under the NGO coordinating board in Kenya.



PROJECT MANAGEMENT:

Kiini Sustainable Initiative

Senior Executive:

Philip Kabiru
Executive Director
Phildikab@yahoo.com

Supervising Executive:

Dishon Gitonga
Site manager
kiinisustainable.initiative@gmail.com

The Global Uplift Project

Senior Executive:

Robert Freeman
Executive Director
robertf@tgup.org

Supervising Executive:

Cathy Dwulet
Director, Global Operations
cathyd@tgup.org

PROJECT DATES: As soon as funds are available.

THE COMMUNITY:

Mwicwiri is a growing village located on the edges of Mount Kenyan Forest. It is a rural area with 4,251 households with an average of between 5-8 children per family. The majority of the local people are peasant farmers growing maize, potatoes, French beans, and cabbage. Most people live below the poverty line and live in houses made of wood planks, cow dung, and roofed with iron sheets.

Families typically share pit latrines that are outdated and at risk of collapse. Schools lack basic facilities and sufficient classroom space.

For water, the homes rely on water from Mount Kenya which is the highest mountain in Kenya and the second highest in Africa. A few homes have electricity, depending on the grid and the family income. Mwicwiri has two marketplaces called Kabendera and Kariokor. These are “converging villages” where families meet to exchange goods and services for survival. The community has committed to providing in-kind support (unskilled labor) of \$3,155 to see the project completed for their students.

ABOUT THE SCHOOL:

Mwicwiri Day Primary School started in 1972 and has a population of 418 students (197 boys and 221 girls), 20 teachers, and 3 support staff. The school has 5 acres with a common shared playground, 5 wooden classrooms, which require upgrading, and 9 permanent classrooms. The school farms potatoes, carrots, and onions to supplement the midday meal. Electricity is only within the staffroom where the principal shares the room with the deputy and the secretary. They are all wooden offices.



The water supply is also limited so there is a need to connect water and guttering. The school has great potential of growth if renovated to absorb the growing population by providing more classrooms, latrines, and electricity.

The school lacks sufficient classrooms, and the existing ones are in bad shape. There are no science labs, no library, no 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.

Enrollment continues to gradually increase but is limited by the crumbling infrastructure of the classrooms. 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) and watchman and this increases the chances of crime. Girls are misused and it is for this reason KISI,

through TGUP's *Save a Girl*™ program, plans to supply many hundred reusable kits to girls and young mothers.

THE PROJECT:

They will start by clearing bushes and excavating the land. The foundation will be comprised of murrum, hardcore, cement, and wires. BRC Wire mesh will also be installed to reinforce the floor which will have red oxide mixture as a final coat. Quarry stones will be used for



reinforcement and after the slab, Ndarugo stones will be used up to the lintel. The classroom will have 5 glazed glass windows and one steel door. The roof will be comprised of colored iron sheets, which are of strong gauge ensuring a long life.

A blackboard will be installed on the front of the room for instruction. Window glazing will ensure the glasses are well fixed and strong. Painting will include a prime layer plus three coats, and a verandah supported with metal bars will be constructed on the front side.

We expect the project to be completed within three months of commencement of the work. The finished structure will remain serviceable for more than 40 years.

SUMMARY AND EVALUATION:

We rate this high priority project. That is based on several factors:

- Existing resources are both overstretched and deficient;
- Expansion will be utilized immediately;
- The project will benefit more than 500 students, teachers, and staff;
- The school faculty and administration are excellent and 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 both the Ministry of Education and the Ministry of Health
- The project will serve as a model for expansion of other schools in the area

DETAILED BUDGET:

Classroom Budget					
SUB-STRUCTURE/SUPERSTRUCTURE	Units	Quantity	Price	Total Ksh	US\$ 127
Concrete blocks 9"	NO	800	91	72,800	\$573
Concrete blocks 6"	NO	1,545	105	162,225	\$1,277
Cement 50kg	Bags	210	900	189,000	\$1,488
Crushed stones/ballast	Tons	30	3100	93,000	\$732
Murram	Tons	45	2,350	105,750	\$833
Sand	Tons	45	3,317	149,265	\$1,175
BRC WireMesh	Rolls	2	37,450	74,900	\$590
Ant termite poison 1ltr	NO	2	4,280	8,560	\$67
D-10 deformed bars	NO	35	1,455	50,932	\$401
D-12 deformed bars	NO	12	1,562	18,746	\$148
D-16 deformed bars	NO	16	2,675	42,800	\$337
Polythene sheet	NO	1	13,375	13,375	\$105
R-6 bars	NO	31	856	26,536	\$209
Concrete wire 2"	Roll	1	10,165	10,165	\$80
Brick wire 4"	Roll	7	7,276	50,932	\$401
Brick force wire 6"	Roll	12	460	5,521	\$43
Air vents	Pair	10	375	3,745	\$30
Tie wire (2.5mm)	Rolls	4	535	2,140	\$17
DPc 8"	Roll	1	3,745	3,745	\$29
DPc 6"	Roll	3	1,284	3,852	\$30
Wire nails 5"	kgs	5	350	1,750	\$14
Wire nails 4"	Kgs	5	350	1,750	\$14
wire nails 3"	Kgs	4	350	1,400	\$11
wire nails 2"	Kgs	4	350	1,400	\$11
steel nails 4"	Kgs	4	550	2,200	\$17
steel nails 3"	Kgs	4	550	2,200	\$17
steel nails 2"	kgs	4	550	2,200	\$17
Wheelbarrow	NO	2	6,420	12,840	\$101
spade	NO	2	1,070	2,140	\$17
shovel	NO	2	963	1,926	\$15
Hoe	NO	2	856	1,712	\$13
claw hammer	NO	3	696	2,087	\$16
Hacksaw blade	NO	4	321	1,284	\$10
cutting disc	NO	2	455	910	\$7
drums 210 litres	NO	2	5,350	10,700	\$84
Metal buckets	NO	4	1,070	4,280	\$34
Subtotal				1,138,764	\$8,967

ROOFING					
IT4 roofing sheets 3m	NO	37	4,815	178,155	\$1,403
IT4 roofing sheets 2m	NO	17	4,280	72,760	\$573
IT4 Ridges 2mx0.5mm	NO	8	1,070	8,560	\$67
u hooks roofing nails	NO	30	535	16,050	\$126
spider trusses ST250.4.0m	NO	6	1,124	6,741	\$53
Subtotal				282,266	\$2,223
CARPENTRY WORKS AND TIMBER					
Timber 200x25x5m	NO	23	1,498	34,454	\$272
Timber 150x50x5m	NO	13	1,284	16,692	\$131
Timber 100x50x5m	NO	7	1,177	8,239	\$65
Timber 50x50x5m	NO	20	963	19,260	\$152
10mm thick soft board	NO	3	910	2,729	\$22
Block board 18mm	NO	28	1,926	53,928	\$425
Wood screws	pkt	1	535	535	\$5
Subtotal				135,837	\$1,070
METAL WORKS					
Door frame and steel door	NO	1	19,260	19,260	\$152
Installation of cables and electricity	set	1	48,150	48,150	\$379
Verandah Supporters	NO	6	8,025	48,150	\$379
Subtotal				115,560	\$910
PAINTING AND FINISHING					
Undercoat 20 litre bucket	NO	3	3,210	9,630	\$76
PVA cream 20 litre bucket	NO	4	2,996	11,984	\$94
Green chalkboard 4 litre bucket	NO	2	3,745	7,490	\$59
Green gloss 4 litre bucket	NO	1	3,745	3,745	\$30
Black bituminous 4 litres	NO	1	3,745	3,745	\$30
Thinners 5 litres	NO	6	1,605	9,630	\$76
Clear varnish 4 litre bucket	NO	2	2,247	4,494	\$35
Wood primer 5 litre bucket	NO	1	2,354	2,354	\$19
Wood glue 4 litre	NO	1	1,605	1,605	\$13
Window glazing	Item	1	37,450	37,450	\$295
windows (metal)	NO	5	8,560	42,800	\$337
Painting glasses	sheet	4	5,350	21,400	\$169
Subtotal				156,327	\$1,231
Plans, permits, inspection, misc				101,992	\$803
Project management & reporting				378,663	\$2,982
Labor				409,810	\$3,227
Community contribution				-400,715	-\$3,155
Total Requested				2,318,508	\$18,256