



TGUP Project Details

Kanjuu Secondary School

Kitchen

Ngariama, Kenya



PROJECT NAME:

Kanjuu Mixed Day Secondary School Kitchen

PROJECT SUMMARY:

Provide design, materials and supervision while working with the people of Kanjuu, Ngariama Zone, Njukiini ward, Kirinyaga East community to build a new kitchen measuring 30'x 15' at the Kanjuu Mixed Day Secondary School. The Project will cost **\$11,525**. Of this, **\$2,200** is being contributed by the community, leaving **\$9,325** to be funded.

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 180 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 more than 30 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

Senior Executive:

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Supervising Executive:

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The Global Uplift Project

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PROJECT DATES: As soon as funding is available. Estimated two months from start to finish.

PROJECT DETAILS:

The project will start by clearing bushes and excavating an area to lay a strong foundation comprised of murrum, hardcore, cement and wires. Quarry stones will be used to make it stronger and after the slab, Ndarugo stones will be used up to the lintel. Wire mesh will also be fixed to reinforce the floor which will then have red oxide mixture as a final coat.

The finished structure will be 30'x15' and will be portioned into 2 rooms measuring 20'x15', and 10'x15'. The smaller room will be used as a storeroom.

The roof will be comprised of colored iron sheets and the windows will have grills on them to provide adequate ventilation. There will also be two chimneys installed to vent the energy saving jikos (funded separately). Both the inside and outside of the structure will be painted. Tiles will be fixed on the counter where the cooks will prepare food.

THE COMMUNITY:

Kanjuu is a growing village located in a rural area of Ngariama, in Kirinyaga County, with a population of 13,547 people. There are 3,826 households with an average of between 5-8 children. The majority of local people are peasant farmers growing maize, coffee, French beans, bananas, and avocados. Most people live below the poverty line and in houses made of wood planks, roofed with iron sheets.



The majority of 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 area receives very low rainfall, so the community relies on wells and water harvesting for domestic use. Some homes have electricity, depending on the grid and the family income.

THE SCHOOL:

Kanjuu Mixed Day Secondary School started in January 2004 under the primary school Committee provision Certificate of Registration. In January 2007, the Teacher Service Commission (TSC) assigned a Principal to manage the school and the school attained full registration. Currently, the school has a population of 140 students (69 boys and 71 girls), 10 teaching staff and 6 support staff.

The school has 3 acres with a common shared playground and 5 classrooms inherited from the primary school that are in need of upgrade. They practice farming including raising maize, beans, coffee, and rearing dairy cows. These products are sold in the nearby market to help finance the students’ meals. There is also a kitchen garden to supplement the kitchen. Electricity and water are not currently fully distributed within the school. There is a community borehole which is being constructed within the school that will supply water.

The school has continued to grow and in 2020, enrollment increased by 40 students. The school attendance has great potential for growth with improved facilities, including more classrooms, a good kitchen, a science lab, a library and installation of electricity. The students’ enrollment per class is as follows:

Class	Boys	Girls	Total
Form 1	13	21	34
Form 2	23	16	39
Form 3	14	20	34
Form 4	19	14	33
Total	69	71	140

The school lacks sufficient classrooms and the existing ones are in bad shape. There is no library or storage room for textbooks, no dining hall and the kitchen is terrible. They do have a rudimentary science lab that needs to be upgraded.

Enrollment continues to gradually increase but is limited by the crumbling infrastructure of the student' 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) or watchmen. Girls are misused and it is for this reason KISI through TGUP's *Save a Girl* project will supply reusable kits to the girls at school.

BUDGET SUMMARY:

Materials:	\$ 7,702
Labor:	\$ 1,800
Misc (permits, transportation):	\$ 477
Project management	\$. 1,554
Community contribution:	<u>\$ 2,208</u>
Total requested	\$ 9,325

KANJUU SECONDARY SCHOOL BUDGET FOR A MODERN KITCHEN

ITEM	UNITS	QUANTITY	RATE	KSH	USD
SUB-STRUCTURE/SUPERSTRUCTURE					
Concrete blocks 8"	NO	280	70	19,600	\$196
Concrete blocks 6"	NO	800	90	72,000	\$720
Cement 50kg	Bags	100	750	75,000	\$750
Crushed stones/ballast	Tonnes	14	2,100	29,400	\$294
Murram	Tonnes	20	1,700	34,000	\$340
Sand	Tonnes	20	2,900	58,000	\$580
BRC WireMesh	Rolls	2	6,500	13,000	\$130
Ant termite poison 1ltr	NO	2	3,500	7,000	\$70
D-10 deformed bars	NO	12	1,260	15,120	\$151
D-12 deformed bars	NO	6	1,340	8,040	\$80
D-16 deformed bars	NO	9	2,000	18,000	\$180
Polythene sheet	NO	1	10,800	10,800	\$108
R-6 bars	NO	20	800	16,000	\$160
Concrete wire 2"	Roll	1	9,200	9,200	\$92
Brick wire 4"	Roll	5	6,500	32,500	\$325
Brick force wire 6"	Roll	8	300	2,400	\$24
Air vents	Pair	6	250	1,500	\$15
Tie wire (2.5mm)	Rolls	3	450	1,350	\$14
DPc 8"	Roll	1	2,000	2,000	\$20
DPc 6"	Roll	3	1,000	3,000	\$30
Wire nails 5"	kgs	4	200	800	\$8
		4			

Wire nails 4"	Kgs	4	200	800	\$8
wire nails 3"	Kgs	4	200	800	\$8
wire nails 2"	Kgs	3	200	600	\$6
steel nails 4"	Kgs	3	350	1,050	\$11
steel nails 3"	Kgs	3	350	1,050	\$11
steel nails 2"	kgs	3	350	1,050	\$11
SUBTOTAL				434,060	\$4,341
ROOFING					
IT4 roofing sheets 3m	NO	18	4,000	72,000	\$720
IT4 roofing sheets 2m	NO	9	3,500	31,500	\$315
IT4 Ridges 2mx0.5mm	NO	5	700	3,500	\$35
u hooks roofing nails	NO	9	350	3,150	\$32
spider trusses ST250.4.0m	NO	5	900	4,500	\$45
SUBTOTAL				114,650	\$1,147
CARPENTRY WORKS AND TIMBER					
Timber 200x25x5m	NO	13	1,200	15,600	\$156
Timber 150x50x5m	NO	7	1,100	7,700	\$77
Timber 100x50x5m	NO	4	1,000	4,000	\$40
Timber 50x50x5m	NO	9	700	6,300	\$63
SUBTOTAL				33,600	\$336
PAINTING AND FINISHING					
Undercoat 20 litre bucket	NO	2	2,800	5,600	\$56
PVA cream 20 litre bucket	NO	2	2,500	5,000	\$50
Green gloss 4 litre bucket	NO	1	3,000	3,000	\$30
Black bituminous 4 litres	NO	1	3,000	3,000	\$30
Thinners 5 litres	NO	3	1,000	3,000	\$30
Clear varnish 4 litre bucket	NO	1	1,800	1,800	\$18
Wood primer 5 litre bucket	NO	1	1,800	1,800	\$18
Wood glue 4 litre	NO	1	1,300	1,300	\$13
installation of cables & electricity	NO	1	35,000	35,000	\$350
verandah supporters	NO	4	6,600	26,400	\$264
Windows Metal	NO	4	8,000	32,000	\$320
steel door	NO	2	15,000	30,000	\$300
Window glazing	Item		30,000	30,000	\$300
Painting glasses	sheet	2	5,000	10,000	\$100
SUBTOTAL				187,900	\$1,879
Plans, permit, inspection Misc	cumulative	1	95,320	47,660	\$477
labor (\$1487 community contributing)	DAYS	30	6,000	180,000	\$1,800
SUBTOTAL				227,660	\$2,277
TOTAL				997,870	\$9,979
Community contribution				220,800	\$2,208
Project management				155,414	\$1,554
GRAND TOTAL				932,484	\$9,325

SUMMARY AND EVALUATION:

We rate this high priority project based on several factors:

- Existing resources are overstretched and deficient;
- Expansion will be utilized immediately;
- 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 is endorsed by Ministry of Education and the Ministry of Health