



Kilimo Timilifu

Holistic Farming

Empowering whole families through Sustainable Agriculture.

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Project Title: High Tension lines & Transformer Installation with Hookups

Project Abstract:

High Tension lines and Transformer Installation and two building electrical hookups.

Total Installation cost \$25,600 USD

Grant Promised \$15,800 USD from CUSO International

Individual donors \$3,800 USD

Church Donations \$4,275 USD

Total need remaining: **\$1,725 USD**

Project Description:

So far there has never been electrical line or hookups on the Kilimo Timilifu (KT) farm. In the village, just over 1 kilometer away, there is electricity. On the farm, we have sufficed with solar power thus far. However, the Oil Milling operation is a different story and needs much more than our current solar capacity can meet. We have done a fair bit of research towards addressing this need and have discovered the best all-around plan is to first bring grid power to the location and then seek a larger solar system with grid tie in. So the first and most important step is electrical hookup.

Building hookups cannot be pulled from existing low tension lines in the village for two reasons:

1. KT's farm is beyond the physical limit to be able to pull low tension lines from the existing village transformer.
2. The power required to run the oil milling machines is more than the current village transformer can produce.

The solution is to bring high tension lines all the way onto KT farm. These high tension lines will be terminated with a 100KVA transformer. This should provide KT with ample power for healthy growth in our operations.

Next will be the building hookups. The Oil milling facility will need hookup up with 3 phase power in order to handle the milling equipment. The office, classroom building will need connection to single phase power.

The Tanzania Electrical Supply Company (TENESCO) has given a quotation for High Tension lines, 100 KVA Transformer and two Electrical Hookups. The total comes to TZS 55,623,878.04/-. At the current exchange rate this comes to about \$25,000 USD.

We are expecting about \$600 USD of incidental costs. These would include but not limited to, connections within the buildings, grid connection to existing solar in the office/classroom building, clearing land for power lines, transport costs etc.

Thus the total amount needed for this project is \$25,600 USD.

However, CUCO International has awarded KT with a “Technology Innovation Fund Grant” worth \$15,800 USD pending KT’s ability to raise the remaining \$9,800 USD. Already funds from Individuals (\$3,800 USD) and from Churches (\$4,275 USD) have be raised.

Total remaining need to complete this project: \$1,725 USD

Project Goals & Objectives:

- Raise \$1,725 USD to complete the total of \$25,600 USD needed.
- Install high tension power lines from the grip to KT’s farm
- Install a 100KVA transformer
- Connect the Oil Milling facility to 3 phase electricity
- Connect the office/classroom building to single phase electricity
- Begin milling the 10 ton of sunflower seed already in the warehouse

Project Timeline:

Ideally we need these funds raised by mid-September 2018 in order to make payment to the electric company and time to collect necessary materials. Installation should begin in early October and will take about 3-4 weeks. This leaves KT with the months of November and December to pursue Tanzanian Food and Drug Administration (TFDA) certification and begin milling yet this year (2018).

Project Budget:

USD	Budget Item
\$25,000.00	TENESCO installation estimation
\$600.00	Hookup materials, small solar grid-tie, land clearing, transportation, etc.
-\$15,800.00	Grant promised by CUSO International
-\$3,800.00	Individual Donors
-\$4,275.00	Church Donations
\$1,725.00	Total Need Remaining

Where to donate:

If tax deductible receipt **is** needed:

In the USA: <https://www.mrds.org/donate/KTTanzania.001.php> Add comment “Electricity”

In Canada: <https://mrds.ca/donate/> MRDS Canada Project Code: “KTTanzania.001-Electricity”

Millennium Relief & Development Service (MRDS) is KT’s charitable partner both in the USA and Canada.

Please consider adding 5% to your gift to cover MRDS’s administration costs.

If a tax deductible receipt **is NOT** needed please send electronically the funds to:

Bank Name: Citibank, NA

Bank Branch: New York

Bank Location: 111 Wall Street, New York, NY 11120

ABA: 021000089

Account Name: AIM International

Account #: 36826621

MEMO: For KT credit into AIM ABS-1800-9005-200

Note: If Citibank is used, please notify KT at ceo@kttanzania.org so we can follow up.

If wishing to donate outside the USA or Canada, please contact ceo@kttanzania.org for options.

Below is a map of KT's farm with the expected electrical installation labeled.

Kilimo Timilifu

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Tanzania

