

# ROTARY FOUNDATION

## GLOBAL GRANT

### HUMANITARIAN APPLICATION



Global Grant Project Title : Luwero Triangle Compost Latrine and Water Catchment

Global Grant Status : Draft

Global Grant Tracking Number : 25195

#### Host and International Sponsor Information

Host Sponsor : Kampala-East	International Sponsor : Greater Huntsville
Primary Contact : Wamanya, Rogers [5828571] District : 9200 Club : Kampala-East	Primary Contact : Qualls, Rodger [6843823] District : 6860 Club : Greater Huntsville

#### Section A - Project Summary

(1) Where will the project take place?

Community	City/Village	Country
Village Center	Kikyusa	Uganda
Semuto Primary School	Semuto	Uganda
Village Center	Wobulenzi	Uganda
Village Center	Kiziba	Uganda
Butanza School	Butanza	Uganda
Trading Center	Kampala	Uganda
Trading Center	Dekabusa	Uganda
Trading Center	Kalasa	Uganda
Kikyusa Primary School	Kikyusa	Uganda
Kafo River Primary School	Kafo River	Uganda

(2) List the specific objectives of the project (one per line).

1. Dispose of human body waste while not polluting the ground water and the land where people walk, eat, play and live.

2. Compost human feces so that it is not a disposal problem but is a resource used to fertilize crops. Safely collect and use human urine as a fertilizer on crops.
3. Obtain free safe water by catching and safely storing rainwater to be used for drinking, handwashing and cooking.
4. Minimize impact to ground water table.
5. Educate communities about safe water, sanitation, and hygiene

(3) Describe how the project advances the goal of the area(s) of focus.

#### Maternal and child health

Hygienically disposing of human waste will reduce water borne and ground borne pathogens that get in the water in the community that make children sick or die. This then reduces the mortality rate for children.

#### Disease prevention and treatment

Safely disposing of human waste combats the spread of major diseases and ailments such as cholera, typhoid and diarrhea which are extremely common in Uganda.

#### Water and sanitation

Providing safe water, and sanitation facility allows children to practice what they are taught in school about human hygiene.

Provides community access to safe drinking water and basic sanitation.

#### Basic Education and Literacy

Providing clean water and very sanitation disposal of human waste will make for a healthier student population. If the child is less sick from not drinking unclean water and touching human waste then the child will be present at school more regularly and have a sound body to better accept the literacy instruction.

#### Economic and community development

Provide a free and readily available fertilizer (composted human waster and separate container for urine) that enhances the crop yield for impoverished women ran households.

(4) Describe in detail the project and implementation plan.

#### Project:

Construction of vented dry compost latrine with six stances each along with water catchment cistern. Design is based on 2009 Bukusu Rotary Project and would only involve site specific modifications. Several would require the facility to be totally above ground since the water table is almost at ground level. Which means the location is in a very swampy area and current typical pit latrines have their contents floated out during each heavy rain.

#### Implementation Plan:

##### First month-

Moblize communities and schools by educating them on objectives and design of the project. Obtain list of volunteers that will help the contractor construct the project at each site. Inform local political leaders to continue their cooperation.

Meet with landowners and determine exact location of project. Modify blueprints to include site specific information and obtain district health officer and engineer approval.

##### Second month-

Conduct ground breaking ceremony at each of ten sites.

Determine most economical source of major materials i.e. cement, block and rebar and

determine delivery schedule. Order material.

Third month-

Commence three sites.

Fourth month- Complete major effort at first three sites except awaiting cistern concrete roof curing, plaster curing and landscaping. Commence fourth thru seventh site.

Fifth month - Complete major effort at fourth thru seventh site awaiting cistern concrete roof curing, plaster curing and landscaping.

Sixth month- Finish sites one thru three by removing concrete cistern formwork, plastering, painting and landscaping. Commence major effort at site eighth thru tenth.

Seventh month - Finish site four through seven now that concrete and plaster has cured.

Eight month- Finish concrete form removal, plastering, painting and landscaping at sites eight thru ten. Conduct official opening ceremonies.

(5) What is the estimated start date of the project?

09 Jan 2012

(6) What is the estimated end date of the project?

28 Oct 2013

(7) With which area(s) of focus is the Humanitarian activity aligned? Select all that apply

Peace and Conflict Prevention/Resolution - No

Disease Prevention and Treatment - Yes

Water and Sanitation - Yes

Maternal and Child Health - Yes

Basic Education and Literacy - Yes

Economic and Community Development - Yes

## Section B - Rotarian Participation

(1) Describe how the host sponsor planned this project.

Host sponsor played a key role in developing the 2009 Rotary Project at Bukusu village by organizing the ground breaking, the near completion gathering and the commissioning. This then led to discussions of other needed village centers and schools. The host having first hand knowledge of sanitation issues recommended some of the potential sites for this project.

(2) Describe how the international sponsor planned this project.

The international sponsor keyed off of the knowledge of the Host Rotary sponsor, then contributed their engineering expertise and their knowledge of more villages and schools in need. An evaluation of the needs assessment that had compiled all this information, along with lessons learned from Bukusu project to develop this project. The international sponsor designed the Bukusu Demonstration project with nine years of knowledge and experience in Uganda having used many dangerous and smelly pit and open latrines. Also the international sponsor had worked with village elders and farmers to understand their need for fertilizer which was too expensive. The international sponsor had further taken sick children to the hospital who had preventable diseases that was attributed to foul water.

(3) Describe how the host sponsor will commit his/her time and expertise during the implementation of the project to ensure success. Provide specific examples of activities or tasks for which the host sponsor will be responsible.

The Host sponsor is very aware of the situation in urban and rural trading centers and schools due to the lack of proper sanitation and clean water. Its members who are businessmen and educators have previously worked with the International sponsor and has conducted other projects in rural areas of Uganda. Host sponsor tasks: 1. Review status of project with local leaders and interested parties in each project site at the commencement of the project. 2. Ensure instructive printed training material will be available and be presented to Users for the use and maintenance of the latrine and water catchment cistern. 3. Assist international sponsor in assessing the progress and process to make any necessary adjustments in coordination with local leaders and users of the facility. 4. Conduct project commencement and completion events to help publicize the benefits of the project and Rotary's commitment to improving sanitation and water and helping to prevent childhood diseases and ailments. Host will coordinate for widest participation by the community, villages, parishes, subcounty, district and media personnel.

(4) Describe how the international sponsor will commit his/her time and expertise during the implementation of the project to ensure success. Provide specific examples of activities or tasks for which the international sponsor will be responsible.

International sponsor is very aware of the lack of proper hygiene education, sanitation and clean water in these trading centers and schools since we have visited and worked in many of these locals. Its members, who are system engineers , contractors and materials testers used the Bukusu Demonstration project to validate the design and to insure it would be used by the village population. The international sponsor will travel to these sites twice a year for several weeks to ensure success. International sponsor tasks: 1.Meet with Ugandan stack holders along with the Host sponsor to ensure all aspects will be completed. 2. Select contractors and workmen to construct the facilities according to the blueprints. 3. Ensure water pump reaches each site and is properly installed. 4. Ensure quality material are used in the construction. 5. In coordination with Host Sponsor insure local populace is sensitized to the proper use of the facility. 6. Support the Host sponsor in publicizing and conducting project events. 7. Publicize project, and its lessons learned in US.

(5) How do the sponsors plan to publicize this project?

Sponsors plan to conduct several celebration events during start, middle and completion of the project in the local areas where the project sites are located. The events would inform the local citizens including children, PTA, parents, community and political leaders and the media of the benefits of the project. Wide and large turn outs will be ensured by letting the grapevine know that there will be refreshments served and speeches made.

## Section C - Cooperating Organization

(1) Cooperating Organizations

Name of Organization	Address	Contact	Website
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(2) Provide background information about the cooperating organization(s), including the role to play in the project activity.

Not applicable

(3) Identify any host or international project committee members, or members of the host or international sponsors, who are employees, board members, or officers of one of the cooperating organizations.

Not applicable

## **Section D - Project Planning**

(1) Who will operate, secure, and maintain the items purchased with grant funds, ensuring the items continue to function and making necessary repairs? This includes equipment, assets, and materials.

Projects conducted in villages will be operated, secured and maintained by the village elders. Parish, subcounty and district leaders and health officers will also provide expertise and oversight to ensure continued functioning of the projects. The water hand pump is the only functioning item that will need to be maintained and it is based on a 1890's design that is still in use. Cleanliness is the major effort that the village elders have to ensure for continued use.

Projects conducted at public schools will be operated, secured and maintained by the principal and the school management committee. PTA and school district inspection personnel will also contribute to the proper utilization of the project assets.

(2) Who will own the items purchased with grant funds at the end of the project? This includes equipment, assets, and materials. Items cannot be owned by a Rotary Club or a Rotarian.

Each village elder committee or the public school will own the project assets.

(3) How will the primary host sponsor maintain an inventory of the items purchased with grant funds, including location after distribution?

All items purchased for the project will be installed or permanently affixed. The host sponsor will verify at the end of the project that all items are affixed at each site.

(4) What arrangements have been made for customs clearance if items will be purchased and shipped from outside the project country?

Pump and foot valve which are minor value items will be purchased in US. These items will be carried in checked bags. Customs may check at Entebbe airport. All other items will be purchased in the project country.

## **Section E: Sustainability and Measurability**

(1) How will the project build capacity in the community?

The project will build capacity in the community by providing a sustainable vented compost latrine and rain water catchment facility that will improve the community hygiene, help to cut down on preventable diseases and provide free fertilizer and safe water.

(2) Identify how the progress toward the objectives will be measured

Surveys - No

Questionnaires - No

Observations - Yes

Tests of Knowledge - No

Interviews - Yes

Focus Groups - No

Video/media - No

Document/materials collection - No

Other(specify) Periodic review with village elders and school principals

(3) How will the outcomes of the project be sustained over time after the funding has been expended?

Existing Ugandan established and long standing organizations will sustain the project after it is completed. These organizations are the local schools, PTA, school management committee for schools and the village elders, parish members and district health officers for villages.