

Project Title Bugiri Hospital Potable Water

Global Grant Status Proposal Received

Section A: Host and International Sponsor Information

Host Primary Contact Okello, William [3499270]

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Section B: Community Needs

(1) - Describe the benefiting community including its location using any relevant geographic and demographic information (Please be as specific as possible). If the activity is a scholarship, enter "N/A"

Bugiri-Naluwerere Town Council, a municipality app. Pop. 30,000, is located in the south-eastern part of Uganda. Bugiri District is largely dependent on agriculture, which employs 90% of the total population. Agriculture is mainly subsistence practiced by family members. Only 3% of the population is engaged in commercial agriculture while the remaining 7% engage in petty trade and various cottage industries. The community is extremely impoverished with limited access to drinking water and almost no access to sanitary facilities. The District and Municipality have limited revenue generating powers but mainly subsist on support from the Ugandan national budget, which itself is mostly supported by international aid. Various indigenous diseases such as malaria, typhoid, yellow fever and various endemic parasites contribute to relatively short life-spans. The region is at the epicenter of the HIV/AIDs epidemic. Seventy-five percent of the population is below the age of 25 years; one in ten children is an orphan. South-eastern Uganda has been relatively peaceful but the community is heavily burdened with refugees from regional war zones.

(2) - What community needs have been identified? If the activity is a scholarship, enter "N/A"

In the Bugiri-Naluwerere Township, there are no facilities that provide running potable water supply delivered through pipes. The inhabitants must utilize raw water from springs and shallow wells that have become contaminated by human and animal waste and other contaminants. There are serious gastrointestinal problems, particularly for children. A crude municipal water system built in the 1970's provides some potable water for a small percentage of the population, including the District Hospital, but the water system is under-designed and severely deteriorated. The District hospital is a 100-bed facility built in 1967 and has never been renovated; occupancy averages 140-150 patients per day. (Source: District Development Plan 2009-2012) Unreliable running water, lack of reliable pumps, leaky reservoirs and frequent power outages – have all contributed to a serious sanitation problem that exacerbates the spread of infectious diseases, contaminates the operating and treatment theaters, and makes the hospital unbearably filthy and odorous. The hospital sometimes goes without water for weeks. According to a recent news report the Bugiri District prepares an annual budget for the hospital of 20 Billion Shillings (\$US 8,000,000) but the hospital only gets 50 Million Shillings (\$US 20,000). However, at the end of each month, the hospital uses over 20 Million Shillings (\$US 8,000) to run the hospital, including 1 Million Shillings (\$US 400) per month to run a old

generator that provides electricity to the hospital.

(3) - How are these needs currently being addressed with local resources and/or government agencies, NGOs etc...? If the activity is a scholarship, enter "N/A"

The existing water infrastructure is owned and operated by the Bugiri Urban Water Supply and Sewerage Authority (the "Bugiri Authority"), which is a division of the Ugandan Ministry of Water and Environment Ministry. The Bugiri-Naluwerere Town Council (the "Town Council") also has responsibility of providing water to the community and receives some revenue from the existing water system but does not exercise any direct control over the system. The system consists of three deep wells and several municipal reservoirs and associated transmission system through pipe lines. During times when the municipal water system is not operational the hospital purchases water obtained from shallow, unprotected water sources transported in 10-liter Jerry cans. This project will greatly help in providing the badly needed continuous potable water delivery system to the Hospital.

Section C: Activity Description

(1) - Summarize the proposed activity(ies)

This Global Grant Proposal is intended to remedy the Bugiri hospital's water shortages by rehabilitating existing municipal infrastructure serving the hospital. Rehabilitating the existing municipal infrastructure will improve the system capacity by increasing performance at the bore well and also by decreasing losses from leaks and unauthorized diversions in the transmission lines, and by increasing storage capacity within the municipal system. The two largest expenditures will be to provide the needed pumps and a generator for uninterrupted supply of drinking water. The other expenses are for repairing/refurbishing the existing 80,000 gallon storage tank and support systems. According to the Bugiri District Water Officer ("DWO"), the borehole needs to be de-silted, re-cased, and a new submersible pump installed. The submersible pump specified (Ground Force model SP825) is designed to accommodate the extreme voltage fluctuations common in the electrical service at the borehole. The estimated cost of installing a new submersible pump includes the retail cost of the pump and motor, seals and cables. The 80,000 gallon storage tank is currently out of service due to leakage caused mainly by corrosion. The estimated cost of repairing the tank is mainly to cut out the leaky areas and to weld or drill and re-bolt the repaired structural sheet panels. The proposed budget includes also expenditures for rehabilitating the transmission line servicing the hospital.

(2) - Please list any cooperative organization(s) or University(ies) involved in the proposed activity(ies)

None

(3) - Describe how the benefiting community(ies) will be involved in the activity(ies). (Provide specific examples) If the activity is a scholarship, please enter "N/A"

Bugiri District and Bugiri Urban Water Supply and Sewerage Authority will participate in all aspects of the project. The Bugiri District is staffed by a District Water Officer and 3 Assistant Engineering Officers and the Town Council is staffed by several employees of the Works and Technical Services Department. The system Operator, Kagulu Multiple Services Limited, will

also participate under the direction of the Bugiri Authority. The project will have full support of the Bugiri District Town council and will provide support and participate in all progress meetings as needed by the Host Rotary.

(4) - Has the benefiting community(ies) confirmed that they would like this activity(ies) to take place?


Yes

(5) - Proposed Start Date 03-Dec-2012

(6) - Proposed Completion Date 27-Dec-2013

Section D: Area of Focus

 - [Area of Focus - \(e-learning\)](#)

 - [The Rotary Foundation Areas of Focus](#)

(1) - With which area(s) of focus is the proposed activity aligned

-  Peace and Conflict prevention/resolution -
 ☐
-  Disease Prevention and Treatment -
 ☒
-  Water and sanitation -
 ☒
-  Maternal and child health -
 ☐
-  Basic education and literacy -
 ☐
-  Economic and community development -
 ☒

(2) - Describe how the activity(ies) will address the goal(s) of the area(s) of focus

The primary goal is to provide a continuous supply of clean water to the hospital. This will be accomplished by replace/refurbish the existing municipal infrastructure serving the hospital. The secondary goal is to make sure that the deliverance of the pure drinking water will further prevent the spread of infectious diseases within the hospital and the community at large. This goal will be addressed by replacing the hospital's current reliance on water from unprotected sources carried in jerry cans to the hospital with a reliable source of drinking water from a protected source (the municipal well-head). A tertiary goal is to lay the groundwork for

continued rehabilitation of the remainder of the existing municipal water system and its ultimate expansion by the Bugiri Municipal Water and Sewerage Company (addressing Economic and Community Development). This goal will be addressed by involving the technical staff of the District, the Town Council, and the Bugiri Authority in every step of the development activities.

Section E: Project Outcomes

- [Project and Activity Sustainability - \(e-learning\)](#)

(1) - What are the immediate and long term outcomes of the activity?

Bugiri District Water authorities will take over the maintenance of upkeep of the infrastructure of providing clean and continuous water to the Hospital at their own cost. The district has planned for a maintenance budget which will be implemented in place soon after the project is handed over to them. With this action, hygiene will return to its proper place in the hospital.

(2) - Explain how all involved parties will act to ensure the sustainability of the activities and/or outcomes

Bugiri District water authorities have budgeted for the continuity and sustainability of this project to ensure continuous supply of clean water to the Hospital at all times on a long term basis.

Section F: Budget

Reference:

- - [Official Rotary Currencies and Rotary Exchange Rates.](#)
- - [Payment Guidelines \(PDF\)](#)
- - [Payment Guidelines Frequently Asked Questions \(PDF\)](#)

Name of Local Currency UGX

Exchange Rate to 1 USD: 2500

Date Exchange Rate Entered: 16-Sep-2012

<u>Budget Item</u>	<u>Supplier/Vendor</u>	<u>Amount in Local Currency</u>	<u>Amount in USD</u>
Bore well repairs and pumps(2) purchase and installation	Drillco Consulting Uganda Ltd	52500000	21000
Tank Repairs, Pipe replace/refurbishing, Painting	Kagulu Mult Services Ltd	10000000	4000
Power Supply and Generator Purchase and Installation	Drillco Consulting Uganda Ltd	32500000	13000

Budgeted Total in Local Currency: 95000000

Budgeted Total in USD: 38000

Section G: Financing

(1) - DDF Amount in USD 11286

(2) - Rotarian Cash Amount in USD (Matched by TRF and forwarded either to TRF or directly to project account) 10286

(3) - Additional outside funding in USD (Not matched by, or forwarded to, TRF)

(4) - Requested TRF Match in USD (Must be between \$15,000 and \$200,000 OR \$0) 16428

(5) - The total financing must equal the total budget from Section F.

Do Not Enter. This value will be calculated automatically

Computed Total Financing in USD (Cash+DDF+Match) 38000