Global Grant Application

GRANT NUMBER STATUS

GG1863593

Authorizations Required

Basic Information

Grant title

Supurunda Water Supply Project

Type of Project

Humanitarian Project

Address community needs and produce sustainable, measurable outcomes

Primary Contacts

Name	Club	District	Sponsor	Role
Wesley Nichols	Toowong	9600	Club	Host
J. Richard Churchman	Greater Lake Charles	6200	Club	International

Committee Members

Host committee

Name	Club	District	Role
Roger Hogg	Toowong	9600	Secondary Contact
Michael Ball	Toowong	9600	Secondary Contact

International committee

Name	Club	District	Role
Victor Wukovits	Greater Lake Charles	6200	Secondary Contact International
Carmen Million	Greater Lake Charles	6200	Secondary Contact International

Do any of these committee members have potential conflicts of interest?

No

Project Overview

Tell us a little about your project. What are the main objectives of the project, and who will benefit from it?

This project is located in Papua New Guinea's Eastern Highlands province (within Rotary District 9600). Mr Osivo Ombuano, Supervisor of a previous water project and Rotarian (Rotary Club of Goroka), has proposed a water supply project that utilises the spring-fed Supurunda water source. This project is located at Ovia village and the water source itself is at Supurunda. Ovia is approximately 30 kilometres (a 1 hour drive over rough roads/tracks) northwest of Goroka township in Ward 2 of the Daulo Sub-District in the District of Asaro. Together with its adjacent villages, there is a population of around 3,000 people to service.

Currently, water for daily consumption is sourced from the Gota and Asaro Rivers. Villagers have to trek long distances from their homes to collect water for up to 2 hours in the morning and again in the evening. This task is allocated to the women and children and the time taken prevents them from attending school and performing other more-productive tasks.

The Supurunda water supply has a measured flow of approximately 2.25 litres per second. At the WHO standard consumption rate for basic drinking and cooking requirements (20 litres per head of population per day), this is enough water to supply a population of just over 9,700 people. So, for Ovia's 3,000 villagers there is ample water supply to meet basic needs, plus more – in fact, each person will have access to approximately 65 litres of clean water per day. The Gota River water will still act as an adjunct water supply, but the focus of this water will change from servicing basic consumption needs to agriculture and other productive uses.

The proposal is to construct a small artisan weir in front of the Supurunda water source (spring) to catch water. This will then be piped 135m slightly downhill to a strainer box that will trap sediment and organic matter. From there, the water will be piped 280m (50m vertical height) to two 9,000 litre water distribution tanks. From these two distribution tanks, the water will go through approximately 7 km (250m vertical height) distribution network of pipes and tanks to taps at schools, hospitals and clinics and public access points in Ovia and its neighbouring villages of Amaufa, Lindima and Lenuka.

In addition to their first new clean water supply, this project addresses health, basic education and economic development issues. At present, 15 water-borne disease cases present at the local clinic each week. Children and women are invariably tasked with collecting the water and travel long distances to do so each morning and afternoon. For the children, this takes time away from attending school. For the women, it takes time away from more productive input into the communities' economies.

Consequently, this project addresses several areas of focus. Maps and reports are available to support these claims. See the information brochure attached to the "Step 8: Budget" section of this application.

Areas of Focus

Which area of focus will this project support?

Peace and conflict prevention/resolution
Disease prevention and treatment
Water and sanitation
Maternal and child health
Basic education and literacy
Economic and community development

Measuring Success

Peace and conflict prevention/resolution

Which goals of this area of focus will your project support?

Supporting peace-building in communities and regions affected by conflict

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Number of communities reporting reduction in level of conflict	Direct observation	Every three months	1000-2499

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuana

Phone

+675 7388 5550

Email

evene.gono@gmail.com

Address

Briefly explain why this person or organization is qualified for this task.

Osivo has prior experience in data collection for Rotary Projects. He is also a Rotarian and a qualified school teacher. He is the project manager for this project.

Disease prevention and treatment

Which goals will your activity support?

Enhancing the health infrastructure of local communities; Educating and mobilizing communities to help prevent the spread of major diseases; Preventing physical disability resulting from disease or injury

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Number of communities reporting decrease in cases of disease(s) targeted	Public records	Every three months	1000-2499

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuano

Phone

As per previous

Email

As per previous

Address

Briefly explain why this person or organization is qualified for this task.

As per previous

Water and sanitation

Which goals will your activity support?

Providing equitable community access to safe water, improved sanitation and hygiene; Strengthening the ability of communities to develop, fund and maintain sustainable water and sanitation systems; Supporting programs that enhance communities' awareness of the benefits of safe water, sanitation and hygiene

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Number of people with access to improved sources of drinking water	Direct observation	Every three months	1000-2499
Number of communities with a functioning governance committee in place	Public records	Every three months	1-19

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuano

Phone

As per previous

Email

As per previous

Address

Briefly explain why this person or organization is qualified for this task.

As per previous

Maternal and child health

Which goals will your activity support?

Reducing the mortality and morbidity rate for children under the age of five

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Number of communities that report decreased morbidity rates of children under age 5	Public records	Every three months	1-19

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuano

Phone

As per previous

Email

As per previous

Address

Briefly explain why this person or organization is qualified for this task.

As per previous

Basic education and literacy

Which goals will your activity support?

Involving the community to support programs that strengthen the capacity of communities to provide basic education and literacy to all

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Number of benefiting school-age children	Public records	Every three months	100-499

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuano

Phone

As per previous

Email

As per previous

Address

Briefly explain why this person or organization is qualified for this task.

As per previous

Economic and community development

Which goals will your activity support?

Developing opportunities for productive work

How will you measure your project's impact?

Measure	Collection Method	Frequency	Beneficiaries
Other Increase in vegetable and coffee production due to increased involvement of women and children in productive tasks.	Direct observation	Every three months	100-499

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Osivo Ombuana

Phone

As per previous

Email

As per previous

Address

Briefly explain why this person or organization is qualified for this task.

As per previous

Location and Dates

Humanitarian Project

Where will your project take place?

City or town

Supurunda, via Goroka

Country

Papua New Guinea

When will your project take place?

2018-02-12 to 2018-03-30

Province or state

Eastern Highlands District

Participants

Coopertating Organizations (Optional)

Name Websit	e Location
Supurunda Water	Ward Two, Daulo sub-district, Asaro district, Eastern Highlands
Supply Committee	Province, Papua New Guinea. Goroka Papua New Guinea

Why did you choose to partner with this organization and what will its role be?

This organisation is a co-operative of all benefiting parties, who have agreed in writing to work in harmony and

share a common water source, as evidenced by the MOU.

Partners (Optional)

List any other partners that will participate in this project.

Rotary Club of Goroka, PNG

Dudumia Village Water Supply Committee, PNG

Rotary Club of Toowong

Rotary Club of Mitchelton

Rotary Club of Pine Rivers

Rotary Club of Belvoir Wodonga

Rotary Club of Caboolture

Rotary Club of Port Moresby, PNG

Rotary Club of Ashgrove/The Gap

District 9630

District 9600

Volunteer Travelers (Optional)

No.	Name	Email
1	Ian Cameron	ilmz@tpg.com.au
2	Wesley Nichols	wes.nichols@bigpond.com

Describe this person's role in the project.

Technical advisor/auditor for the project.

Host sponsor confirmation of volunteer travelers

I confirm that the host club or district has extended a travel invitation, fully supports and approves volunteer traveler(s), and verifies that the international travel to the club and/or district is needed to implement the project.

Rotarian Participants

Describe the role that host rotarians will have in this project.

Ian Cameron and Wes Nichols are specialists in water supply projects. They have previously reviewed water projects in District 9600.

Describe the role that international Rotarians will have in this project.

Osivo Ombuana will be the Project Manager for this project, and has successfully delivered a similar project.

Budget

What local currency are you using in your project's budget?

The currency you select should be what you use for a majority of the project's expenses.

Currency Set On 20/09/2017

What is the budget for this grant?

List each item in your project's budget. Remember that the project's total budget must equal its total funding, which will be calculated in step 9. Every global grant includes a match of at least \$15,000 from The Rotary Foundation's World Fund. Project budgets, including the World Fund match, must be at least \$30,000.

#	Category	Description	Supplier	Cost in PGK	Cost in USD
1	Training	WASH	Amaufa Health Centre	700	217
2	Supplies	Materials	Goroka Didiman Hardware	110322	34155
3	Equipment	Welding machine, tools	Goroka Hire	2640	817
4	Personnel	Site supervision	Supervisors	6864	2125
5	Signage	Site signage	Supurunda	1600	495
6	Travel	Transport of materials	Goroka	13250	4102
7	Operations	Water quality testing	Port Moresby Laboratory	2000	619
8	Project management	Project management	Project Team	13500	4180
9	Project management	Contingency	Currency fluctuations etc	19030	5892
10	Monitoring/evaluation	Water quality testing	Aust Laboratory Services Pty Ltd	2000	619
11	Monitoring/evaluation	Audit visits	Project Team	12500	3870
			Total budget:	184406	57091

Funding

Tell us about the funding you've secured for your project. We'll use the information you enter here to calculate your maximum possible funding match from the World Fund.

#	Source	Details	Amount (USD)	Support*	Total
1	Cash from Club	Toowong	1,875.00	93.75	1,968.75
2	District Designated Fund (DDF)	9600	10,000.00	0.00	10,000.00
3	Cash from Club	Mitchelton	1,875.00	93.75	1,968.75
4	Cash from Club	Ashgrove/The Gap	1,500.00	75.00	1,575.00
5	Cash from Club	Sunnybank Hills	1,500.00	75.00	1,575.00
6	Cash from Club	Pine Rivers	2,000.00	100.00	2,100.00
7	Cash from Club	Goroka	155.00	7.75	162.75
8	District Designated Fund (DDF)	9630	5,000.00	0.00	5,000.00
9	Cash from Club	Caboolture	5,000.00	250.00	5,250.00
10	Cash from Club	Kippa Ring-North Lakes	1,500.00	75.00	1,575.00
11	Cash from Club	Port Moresby	1,550.00	77.50	1,627.50
12	Cash from Club	Belvoir-Wodonga	1,125.00	56.25	1,181.25

^{*}Whenever cash is contributed to the Foundation to help fund a global grant project, an additional 5 percent is applied to help cover the cost of processing these funds. Clubs and districts can receive Paul Harris Fellow recognition points for the additional expense.

How much World Fund money would you like to use on this project?

You may request up to 24,040.00 USD from the World Fund.

24011

Funding Summary

DDF contributions: 15,000.00 Cash contributions: 18,080.00

Financing subtotal (matched contributions + World Fund): 57,091.00

Total funding: 57,091.00

Total budget: 57,091.00

Sustainability

Humanitarian Projects

Project planning

Describe the community needs that your project will address.

Currently villagers draw their drinking water from the Gota River , which is subject to pollution from upstream villages due to ablution and washing activities. A recent report obtained from the Nomba Rural Health Centre outlines that fifteen cases of water-borne diseases per week are being reported from the Supurunda area.

Each morning and afternoon, for up to two hours, women and children carry water from the river for drinking and cooking back to their homes. This prevents the children from attending school and the women from engaging in other, more-productive activities for their communities.

The project will provide clean water to a number of villages (with a total population of around 3,000) from the Supurunda spring source.

How did your project team identify these needs?

An approach was made from the villagers in the Supurunda area to the Rotary Club of Goroka, seeking a safe water supply, as they had seen the success of the Rotary Global Grant project for Dudumia (#25548), which has been operating successfully for over four years.

After a visit to Goroka in March 2017, by Rotarians Wes Nichols and Ian Cameron, on a 9600 District funded feasibility study visit, the need for this project was identified.

How were members of the benefiting community involved in finding solutions?

The Supurunda spring source was identified by villagers as a potential water supply source.

Villagers assisted Osivo Ombuana, from the Rotary Club of Goroka, in his measuring of the spring flow of 2.25L/sec, and the GPS mapping of the spring source, and the villages to be supplied from the source, and the proposed project. The villages agreed to cooperate and combined to form the Supurunda Water Supply Committee. Together with the Rotary Club of Goroka and The Rotary Club of Toowong, they signed an MOU to ensure the viability of the project. This MOU includes items such as providing accommodation, meals and labour for the construction of the project infrastructure.

How were community members involved in planning the project?

Villagers assisted with identifying the sites for storage tanks and the route for the pipelines.

The villagers have agreed to be bound by a MOU for the project, as well as entering into a water sharing agreement. It is expected that the communities will develop a policy document to ensure the sustainability of the project.

Project implementation

#	Activity	Duration
1	Confirm water source is sustainable (completed June 2017)	1 week
2	Complete GPS mapping for the project (completed July 2017)	2weeks
3	Design for project including sizing atanks and pipes (completed July 2017)	4 weeks
4	Prepare materials list for the project	2 weeks
5	Seek project funding support (ongoing)	6 months
6	Obtain competitive materials quotes (August 2017)	3 weeks
7	Review and finalize project costing (September 2017)	2 weeks
8	Commence Global Grant application (September 2017)	1 week
9	Obtain Global Grant funding (December 2017)	3 months
10	Confirm project start with partners (January 2018)	1 month
11	Transfer funds to Goroka Rotary Club (January 2018)	1 week
12	Purchase materials for the project	2 weeks
13	Mobilise project team to commence construction	2 weeks
14	Deliver and stockpile materials at Supurunda	2 weeks
15	Construct project by Supurunda villagers	5 weeks
16	Audit project	1 week
17	Commission project	1 week

Will you work in coordination with any related initiatives in the community? Yes

Briefly describe the other initiatives and how they relate to this project.

- 1. WASH training for all school children, supplied by the project, by the Amaufa Health Clinic staff.
- 2. Appointment of maintenance personnel in each village.
- 3. Initiation of monthly meetings by the Supurunda Water Supply Committee.
- 4. Ongoing overview and monitoring of the project by Goroka Rotary Club.

Please describe the training, community outreach, or educational programs this project will include.

- 1. WASH training for all school children by the Amaufa Health Clinic staff.
- 2. Maintenance training for the proposed water supply scheme.

How were these needs identified?

1. The provision of a new safe water scheme needs to be promoted to school children to ensure that hygiene

levels are improved to maximise the benefit of the safe water supply scheme.

2. To ensure the sustainability of the water supply scheme, security of supply and maintenance needs to be an ongoing focus.

What incentives (for example, monetary compensation, awards, certification, or publicity), will you use, if any, to encourage community members to participate in the project?

The Supurunda Water Supply Committee will document the project and provide a publicity brochure on its completion. District 9600 will publicise the project starting with a project showcase at the TRF seminar on 08/10/2017. The Rotary Club of Goroka will publicise the project in PNG.

List any community members or community groups that will oversee the continuation of the project after grant-funded activities conclude.

The Supurunda Water Supply Committee will oversee the continuation and sustainability of the project.

Budget

Will you purchase budget items from local vendors?

Yes

Explain the process you used to select vendors.

Four seperate quotes were obtained for all the materials for the proposed project. Both Lae and Goroka hardware businesses were requested to submit quotes to Goroka Rotary Club. The lowest price for all line items for materials were selected from different vendors to compile the estimated cost of materials for the proposed project.

Did you use competitive bidding to select vendors?

Yes

Please provide an operations and maintenance plan for the equipment or materials you anticipate purchasing for this project. This plan should include who will operate and maintain the equipment and how they will be trained.

The water supply scheme operates under gravity from the Supurunda spring source, as confirmed by GPS levels.

The only maintenance requirements, will be to prevent leakage, switch off taps, and replace tap washers when taps start to leak when closed. This will be conducted by a dedicated maintenance team set up and trained by the lead members of the Supurunda Water Supply Committee.

Describe how community members will maintain the equipment after grant-funded activities conclude. Will replacement parts be available?

Weekly inspections by nominated community members will ensure that the intake weir is free of debris and leaves, so that the intake pipe does not become blocked. Similarly, the strainer box will be monitored on a weekly basis and cleaned where necessary.

A community levy system is proposed to ensure that funding is available for ongoing maintenance.

If the grant will be used to purchase any equipment, will the equipment be culturally appropriate and conform to the community's technology standards?

Yes

Please explain.

The water supply scheme relies on gravity, and as such this is a simple technology with minimal

moving/wearing parts.

The Dudumia water supply scheme can be used as a template how to manage the proposed water supply scheme.

After the project is completed, who will own the items purchased by grant funds? No items may be owned by a Rotary district, club, or member.

All items will become the property of the Suprunda Water Supply Committee and they will have full accountability for them.

Funding

Have you found a local funding source to sustain project outcomes for the long term? Yes

Please describe this funding source.

A levy system will be adopted across all of the communities benefiting from this project and this will be managed by the Supurunda Water Supply Committee. In addition, the villagers intend to use the sale of agricultural chemicals and mobile phone top up fees to generate funding to support the water supply scheme.

Will any part of the project generate income for ongoing project funding? If yes, please explain.

It is expected that there will be sufficient water from the proposed scheme to allow limited irrigation of gardens near taps, which can generate income for households.

Authorizations

Authorizations & Legal Agreements

Legal agreement

Global Grant Agreement

I confirm and agree to the following:

- 1. All information contained in this application is, to the best of our knowledge, true and accurate.
- 2. We have read the Terms and Conditions for Rotary Foundation District Grants and Global Grants ("Terms and Conditions") and will adhere to all policies therein.
- 3. The grant sponsors ("Sponsors") shall defend, indemnify, and hold harmless Rotary International (RI) and The Rotary Foundation (TRF), including their directors, trustees, officers, committees, employees, agents, associate foundations and representatives (collectively "RI/TRF"), from and against all claims, including but not limited to claims of subrogation, demands, actions, damages, losses, costs, liabilities, expenses (including reasonable attorney's fees and other legal expenses), awards, judgments, and fines asserted against or recovered from RI/TRF arising out of any act, conduct, omission, negligence, misconduct, or unlawful act (or act contrary to any applicable governmental order or regulation) resulting directly or indirectly from a Sponsor's and/or participant's involvement in grant-funded activities, including all travel related to the grant.
- 4. The failure of the parties to comply with the terms of this Agreement due to an act of God, strike, war, fire, riot, civil unrest, hurricane, earthquake, or other natural disasters, acts of public enemies, curtailment of transportation facilities, political upheavals, acts of terrorism, or any similar cause beyond the control of the parties shall not be deemed a breach of this Agreement. In such an event, the Agreement shall be deemed terminated and the Sponsors shall refund all unexpended global grant funds within 30 days of termination.

- 5. TRF's entire responsibility is expressly limited to payment of the total financing amount. TRF does not assume any further responsibility in connection with this grant.
- 6. TRF reserves the right to cancel the grant and/or this Agreement without notice upon the failure of either or both of the Sponsors to abide by the terms set forth in this Agreement and the Terms and Conditions. Upon cancellation, TRF shall be entitled to a refund of any global grant funds, including any interest earned, that have not been expended.
- 7. The laws of the State of Illinois, USA, without reference to its conflicts of laws principles, shall govern all matters arising out of or relating to this Agreement, including, without limitation, its interpretation, construction, performance, and enforcement.
- 8. Any legal action brought by either party against the other party arising out of or relating to this Agreement must be brought in either, the Circuit Court of Cook County, State of Illinois, USA or the Federal District Court for the Northern District of Illinois, USA. Each party consents to the exclusive jurisdiction of these courts, and their respective appellate courts for the purpose of such actions. Nothing herein prohibits a party that obtains a judgment in either of the designated courts from enforcing the judgment in any other court. Notwithstanding the foregoing, TRF may also bring legal action against Sponsors and/or individuals traveling on grant funds in any court with jurisdiction over them.
- 9. This Agreement binds and benefits the parties and their respective administrators, legal representatives, and permitted successors and assigns.
- 10.If any provision of this Agreement is determined to be illegal, invalid or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect.
- 11. Sponsors may not assign any of its rights under this Agreement except with the prior written consent of TRF. Sponsors may not delegate any performance under this Agreement without the prior written consent of TRF. Any purported assignment of a Sponsor's rights or delegation of performance without TRF's prior written consent is void.
- 12.TRF may assign some or all of its rights under this Agreement to an associate foundation of TRF. TRF may delegate any performance under this Agreement to an associate foundation. Any other purported assignment of TRF's rights or delegation of performance without the Sponsors' prior written consent is void.
- 13. Sponsors will comply with all economic and trade sanctions, including those implemented by the Office of Foreign Assets Control (OFAC) of the United States Department of Treasury, and will ensure that they do not support or promote violence, terrorist activity or related training, or money laundering.
- 14. This Agreement constitutes the final agreement between the parties. No amendment or waiver of any provision of this Agreement shall be effective unless it is in the form of a writing signed by the parties.
- 15. Rotary International (RI) and TRF may use information contained in this application and subsequent reports to promote the activities by various means such as The Rotarian, Rotary Leader, rotary.org, etc. Unless indicated otherwise in writing, by submission of the photos, the parties hereby grant to RI and TRF the worldwide right to publish and use the photos, including but not limited to, in RI and TRF publications, advertisements, and Web sites and on social media channels and to license use to others, including, but not limited to, media outlets and its partners and through RI's online image database, for the purposes of promoting Rotary. By submitting the photos, the parties represent and warrant that all persons appearing in the photos have given their unrestricted written consent to use their likenesses and to license use to third parties.
- 16. The Sponsors agree to share information on best practices when asked, and TRF may provide their contact information to other Rotarians who may wish advice on implementing similar activities.
- 17. The Sponsors will ensure that all individuals traveling on grant funds have been informed of the travel policies stated in the Terms and Conditions and have been made aware that they are responsible for obtaining

travel insurance.

Primary Contact authorziations

Application Authorization

By submitting this global grant application, we agree to the following:

- 1. All information contained in this application is, to the best of our knowledge, true and accurate, and we intend to implement the activities as presented in this application.
- 2. The club/district agrees to undertake these activities as a club/district.
- 3. We will ensure all cash contributions (as detailed in the grant financing) will be forwarded to The Rotary Foundation (TRF) or sent directly to the global grant bank account after Trustee approval of the grant.
- 4. Rotary International (RI) and TRF may use information contained in this application to promote the activities by various means such as The Rotarian, the RI international convention, RVM: The Rotarian Video Magazine, etc.
- 5. We agree to share information on best practices when asked, and TRF may provide our contact information to other Rotarians who may wish advice on implementing similar activities.
- 6. To the best of our knowledge and belief, except as disclosed herewith, neither we nor any person with whom we have or had a personal or business relationship are engaged, or intend to engage, in benefiting from TRF grant funds or have any interest that may represent a potential competing or conflicting interest. A conflict of interest is defined as a situation in which a Rotarian, in relationship to an outside organization, is in a position to influence the spending of TRF grant funds, or influence decisions in ways that could lead directly or indirectly to financial gain for the Rotarian, a business colleague, or his or her family, or give improper advantage to others to the detriment of TRF.

All Authorizations & Legal Agreements Summary

Primary contact authorizations

Name	Club	District	Status	
Wesley Nichols	Toowong	9600	Authorized	Authorized on 28/11/2017
J. Richard Churchman	Greater Lake Charles	6200	Authorization needed	

District Rotary Foundation chair authorization

Name	Club	District	Status
Darryl Iseppi	New Farm	9600	Authorization needed
Michael Collins	Golden Meadow	6200	Authorization needed

DDF authorization

Name	Club	District	Status
John Lane	Ashgrove/The Gap	9600	Authorization needed
Darryl Iseppi	New Farm	9600	Authorization needed
Martti Kankkunen	Logan	9630	Authorization needed
Elwyn Hodges	Cleveland	9630	Authorization needed

Legal agreement

Name	Club	District	Status
Ryan Abell	Greater Lake Charles	6200	Authorization needed
Roger Hogg	Toowong	9600	Authorization needed

Bank Information