

NAMALEMBA HEALTH UNIT INTERVENTIONS BACKGROUND TO PROPOSED PROJECTS

Target Area and Demographics:

Namalemba Sub-county (and environs), covering the villages: Namalemba, Minani, Idinda, Nawangisa, and Namunyumya is located in Iganga District on the Jinja-Mbale Highway, Eastern Uganda. It has a total population of about 26,000, 52% of whom are women. It is a rural community, surviving mainly through subsistence agriculture. Population details are shown in the table below:

PARISH	HOUSEHOLDS	MALE	FEMALE	TOTAL
IDINDA	800	2211	2401	4612
MINANI	761	2203	2291	4494
NAMALEMBA	541	1392	1505	2897
NAWANGISA	541	1392	1506	2898
NAMUNYUMYA	2462	5419	6134	11553
TOTAL	5105	12617	13837	26454

Challenge to be addressed:

The area faces several major challenges, among which the Rotary Club of Kampala North, working with the St Andrew's Church Development Committee, has identified the health care and rain-water harvesting as priorities. The main objectives are therefore:

1. Providing primary health care as well as curative and maternity services for 26,000 people
2. Providing access to portable water in quantities that can sustain human usage and enable sanitation for the planned level of operations at the Health Unit.

The community of Namalemba Parish started on the construction of the health unit about fifteen years ago. This unit, with limited facilities and two nurses, has for the last ten years addressed the health, curative, and maternity needs of this community who would otherwise have to travel at least 16 km to the nearest hospitals in Iganga or Nsinze. Even then, the majority find the public transport costs prohibitive, and would have to take a 2 - 3hr bicycle journey.

Two years ago, the community embarked on the construction of a three ward in-patient unit, supported by a Rotarian couple that originates from the area. This building, with an internal floor area of 220 square meters is now complete but requires the complete range of equipment and furnishing for a level 4 health unit. It also requires the installation of a septic tank and drainage system; ventilated-improved pit (VIP) latrines; rain-water harvesting.

The Health Unit is built near the church, providing opportunity for water harvesting from both the Health Unit and the church roofs.

Community Participation:

The community, through the St Andrew's Church Development Committee, has already demonstrated the ability for community mobilisation, and uses multi-pronged development approaches. The community has contributed some materials and all the manual labour for construction, demonstrating the appreciation and ownership which are critical to sustainability.

While it is church based, it supports all residents without religious discrimination. The Development Committee is indeed multi-denominational, including all the key religions (Anglican, Roman Catholic, and Moslem) as well as civic leadership in its membership. This Committee will be supported by the Rotary Club of Kampala North, working with the Rotary Club of Iganga, to become a Rotary Community Corp, at the center of management and sustainability. A Management Committee that also draws on external (to the community) experience on sustaining this kind of initiative will be established.

This Health Unit is linked to the Busoga Diocese Multi-Sectoral Development Project, through which they receive drugs at low cost and some support for staff salaries. The Unit will charge a modest user fee: this will not cover all costs but will support replenishment of drugs when needed. The Development Committee has already received one positive government inspection, for purposes of recognising it as a level 4 Health Unit. This will entitle it to a paid doctor and nurses as well as access to drugs from the Joint Medical Stores using a government subvention.

Rotarian Participation:

The Rotary Club of Kampala North will monitor and support the project for a period of two years. Local Rotarians will review and support the project design; establish a Rotary Community Corps; implement the project; promote the project locally through the media; communicate with the international partner; prepare progressive reports of the project manage grant funds and send the final report when the project is completed.

The international partner club will promote the project internationally; consolidate and ship equipment that has to be imported; communicate with the local club regularly.

The interventions will be carried out through two self-contained projects:

ITEM	PARTICULARS	COST (USD)	REMARKS
1	Hospital Equipment and Furniture	47,666	Based on Ministry Recommendations and Joint Medical Store Costs
3	Rainwater Harvesting and Sewerage System	15,418	Local procurements and local contractor labour costs

TWO VIEWS OF THE COMPLETED WARD BUILDING



Namalemba Sub-County Health Unit Project_Water Harvesting and Sanitation

SUMMARY FOR WATER HARVESTING AND SANITATION				
ITEM	PARTICULARS		COST	
1	Sewerage System		3,052,000	
2	Rainwater Harvesting		17,614,500	
3	Ventilated Improve Pit Latrines		4,310,000	
	TOTAL		24,976,500	
	Equivalent in USD	1620	15,417.59	
SEWERAGE SYSTEM				
ITEM	DESCRIPTION	QTY	RATE	AMOUNT
1	Bricks	8,000	70	560,000
2	Cement	30	24,000	720,000
3	Rough Sand	1	70,000	70,000
4	Plaster sand	2	60,000	120,000
5	Aggregate	1	170,000	170,000
6	Timber 12*1*1	8	6,000	48,000
7	Timber 4*2*12	4	5,000	20,000
8	Bush poles	8	3,000	24,000
9	Nails 3"	3	4,000	12,000
10	Hard core	3	80,000	240,000
11	Leak seal	3	6,000	18,000
12	H/D manhole covers	6	70,000	420,000
13	Iron bar	6	25,000	150,000
14	100mm heavy duty plastic pipes	6	55,000	330,000
15	Transport			150,000
	TOTAL			3,052,000
COST OF VENTILATED IMPROVED PIT LATRINES				
ITEM	DESCRIPTION	QTTY	RATE	AMOUNT
1	Excavation (Pits, 8m)	2	250,000	500,000
2	Slabs, 4 stance	2	700,000	1,400,000
3	Superstructure	2	400,000	800,000
4	Doors, fitted and with bolts and padlocks	8	70,000	560,000
5	Corrugated galvanised iron roofing (gauge 28)	2	300,000	600,000
6	100 mm diameter heavy duty plastic pipes	2	25,000	50,000
7	Finishes and decoration	2	200,000	400,000
	Total for 2 VIP 4-stance pit latrines			4,310,000

Namalemba Sub-County Health Unit Project_Water Harvesting and Sanitation

COST OF RAINWATER HARVESTING				
ITEM	DESCRIPTION	QTTY	RATE	AMOUNT
<i>Water from Health Unit Roof</i>				
1	Gutters	32	9,000	288,000.00
2	Blackets	90	1,000	90,000.00
3	Screws	2	3,000	6,000.00
4	Bend	4	5,000	20,000.00
5	P.V.C pipe	2	25,000	50,000.00
	Total			454,000.00
<i>Water from Church Roof</i>				
1	Gutters	20	9,000	180,000.00
2	Blackets	60	1,000	60,000.00
3	Screws	2	3,000	6,000.00
4	Bend	2	5,000	10,000.00
5	P.V.C pipe	6	25,000	150,000.00
	Total			406,000.00
<i>Tank Stand and Pump at Health Unit</i>				
1	2" GT Pipes	6	90,000	540,000
2	2 1/2" angle bar 4mm	4	45,000	180,000
3	H/Section 2" x 2mm	3	30,000	90,000
4	H/Section 1" x 1mm	5	20,000	100,000
5	Cement	4	23,000	92,000
6	Mild Steel plate	1	70,000	70,000
7	Welder			180,000
8	Transport			150,000
9	Electric pump to elevate water to overhead tank	1	200,000	200,000
	Total			1,402,000
<i>Water Tanks and Tank Bases</i>				
	Tanks, 10000litres	4	2,714,000	10,856,000
	Tank, 3000 litres (on tank stand)	1	796,500	796,500
	Tank bases	4	300,000	1,200,000
	Total			12,852,500
	Labour for all elements	Item		2,500,000
	OVERALL TOTAL			17,614,500