

**NURU WOMEN GROUP P.O. BOX 19 LUSHOTO TANGA TANZANIA**

**FINAL REPORT ON SHUKIRAI PRIMARY SCHOOL RAINWATER HARVESTING PROJECT**



**Prepared by Nuru Women Group**

**Lushoto, Tanga Tanzania**

**7<sup>th</sup> August 2012**

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## **1.0 INTRODUCTION**

Shukirai primary School water harvesting project is 4<sup>th</sup> school benefitting from the rainwater supply project sponsored both by Nuru Women group of Lushoto and Arendal Solopmist Club of Norway. The other schools benefited so far under the same arrangement include Yoghoi Primary school (2011), Mhero Primary school (2010) and Lushoto Primary school 2009.

**See attached picture**

**Eng. John and Nuru Women Group chairperson Ms Dorina Hamisi (Centre) and Rahima Steven NWG Secretary inspecting the system after completion at Shukialai primary school**

## **2.0 TECHNICAL INFORMATION**

Shukirai primary School water harvesting project was designed to cater for 759 pupils and 23 staff. The system is composed of corrugated iron roof catching area of 8x 26 m<sup>2</sup> connected to the series of rainwater gutters, which empty water into a first flush division unit and finally a semi ground ferro-cement tank 39 m<sup>3</sup> connected underground by 1” pipes toward the twin domestic points with 4 discharge taps. Given the collection volume the school community is guaranteed of not less than 0.5 liter per capital for the all school attending days. This is far less of the minimal requirement of at least 5 liters per capital that would suffice for drinking as well as hygiene in general. However it worthy thanking the donor for provision of the achieved amount of water to help children stay happy and be fed with basic water for bodily growth. The design and approvals have been done by John Nshunju and Eng. John Malange with inputs from the Project overseer Mr. Kamugisha.

## **3.0 FINANCIAL INFORMATION**

The project was designed and estimated to cost 9 000 513.49. The money would d be disbursed as per the attached schedule and real expenditure after completion of the project is shown below

### 3.1 Payment Schedule:

No	Description	1st instalment	2nd Instalment	Total
1	Contractor			
	Consultancy fees	675 000.00	675 000.00	1 350 000.00
	Labour charges	1 320 000.00	0	1 320 000.00
	Transport	210 000.00	0	210 000.00
	Communication & stationery	50 000.00	0	50 000.00
	Excavation	285 413.49	0	285 413.49
	<b>Subtotal</b>	<b>2 540 413.49</b>	<b>675 000.00</b>	<b>3 215 413.49</b>
	Material supplier			
2	construction materials	2 885 800.00	0	2 885 800.00
	pipes and fittings	1 117 000.00	0	1 117 000.00
	Roofing materials	795 300.00	0	795 300.00
3	transport of build materials	80 000.00	0	80 000.00
4	<b>Subtotal</b>	<b>4 878 100.00</b>	<b>0</b>	<b>4 878 100.00</b>
	Nuru administration		0	
4	Supervision of the works	225 000.00	225 000.00	450 000.00
4.1	Transport of members to site	200 000.00	0	200 000.00
4.2	Sign board and handing over	100 000.00	0	100 000.00
4.3	stationery & communication	50 000.00	0	50 000.00
4.4	water for hardening and construction	107 000.00	0	107 000.00
	<b>Subtotal</b>	<b>682 000.00</b>	<b>225 000.00</b>	<b>907 000.00</b>
<b>4.5</b>	<b>Gland total</b>	<b>8 100 513.49</b>	<b>900 000.00</b>	<b>9 000 513.49</b>

The 1<sup>st</sup> instalment came in 4.5.2012 and was expected to take 8 weeks or two months. It was not till end of July when all the constructions works were ready.

There was no much problem to hinder the work progress except for sand issue after the quarry that was used in the past for quality sand was blocked hence delays in ferrying the sand to the project area by the material supplier. This also applies for stones which nowadays are hard to find in the near location as used to be in the past years.

### 3.2 Income and expenditure

Date	Description	receipt / pv	Income	expenditure	Balance
	Received money from Mr Kamugisha	Pain slip	8 100 513.49		
9.5. 2012	A: Payment to Contractors	Rept. no 21		2 540 413.49	5 560 100.00
6.8.2012	B:Payment to Supplier ( Mvungi)	Rept .2830			
	Building materials	Tax invoice 3466		1 227 500.00	4 332 600.00
	Pipes and fittings	Tax invoice 3467		1 876 000.00	2 456 600.00
	Subtotal	Tax invoice 3468		1 774 600.00	682 000.00
	C: Nuru women administration cost				
	Supervision of the works				
12.6.2012	Transport of members to site	NO 17		100 000.00	582 000.00
12.6.2012	Allowance to members for supervision			45 000.00	537 000.00
20.7.2012	Transport of members to site	No 83		100 000.00	437 000.00
20.7.2012	Allowance to members for supervision	NWG PV		180 000.00	257 000.00
20.7.2012	stationery	Rept. no 583		24 500.00	232 500.00
20.7.2012	stationery	Rept. no 584		24 500.00	208 000.00
11.7.2012	Sign board preparation	Rept .110		100 000.00	108 000.00
	communication	Vouchers		24 000.00	84 000.00
	water for hardening	NWG PV		84 000.00	-

See attached pictures

Pupil at Shukilai cerebrate their new System

#### 4.0 CONCLUSION

The project has been done as per the design and hope the system will survive for the designed period. The school has provide with the operation guide to make sure the operation and maintenance is done accordingly

Finally we would ask the last instalment of 900,000.Tsh. to be able to hand over the project and settle remaining bills.