

# **Sponsorship application for Mvuleni Water Project**

## ***Background***

### **Mvuleni**

Mvuleni is the name of a village near Moshi Town, north of Tanzania. The village has around 5.000 inhabitants divided in 1000 households. There has always been problem in Mvuleni to get clean drinking water. The villagers are using water from irrigation ditches that is not safe or treated in any way. The irrigation system is made by and controlled by the TPC sugar company and not made for domestic use. The knowledge is very poor regarding water safety and water born diseases causing high mortality related to water. Also many people are very sick and are not able to work because of water born diseases.

### **Boreholes**

More than 12 years ago the two boreholes in Mvuleni were already made. This was done by the Oxfam organisation (British organisation). The boreholes are more than 70 meters deep and have plenty of water, more than enough to supply the village with water for domestic use. But after drilling these boreholes, Oxfam pulled out and left the remaining job to be done by the villagers themselves. In 2003 a newly started Swedish company continued where Oxfam had ended their work and in the beginning of 2006 the installation started again.

### **Pipes, tanks and taps**

During January to July 2006 Tanzaniaprojektet in cooperation with The Water Harvesting Co. (both Swedish companies) started installation in Mvuleni. A total of more than 5.000 meters of pipes were laid and 20 tanks and taps were mounted. The idea was also to connect a pump with the local power net but during the installation the project failed to finalize this since Tanesco (Tanzania's electrical supplier) informed that they would not be able to distribute power and had to ration electricity. Since then, nothing has happened.

## ***Application***

### **Today's situation**

Even if the first attempt to distribute water in Mvuleni was made more than 12 years ago, they are still experiencing great problems with water born diseases like amoeba, bilharzias, cholera and bacteria's causing diarrhoea and infections. The sanitary situation and the lack of clean water is killing people.

### **Pumping with energy from the sun**

Since Tanesco has not been able to distribute power and even when there is power it fluctuates heavily causing short power cut's the idea of solar energy came into mind. We already had a contact with a supplier in Kenya offering a solution with products made by the German company Lorentz. This system is made specific for pumping groundwater for distribution and suits the needs in Mvuleni perfect. The system includes two pumps that are working together to distribute water all around the net.

More detailed information is to be found at: [www.tanzaniaprojektet.se](http://www.tanzaniaprojektet.se)  
Or by requesting information from: [info@tanzaniaprojektet.se](mailto:info@tanzaniaprojektet.se)

## ***Budget***

A Performa invoice from Lorentz (see attached) shows the total cost of the solar systems and the pumps and other installation material. All other costs will be covered by Tanzaniaprojektet at the site. Then the remaining total is around 21.000 Euro (US\$ 25.500). Since this is our first application for support we appreciate any type of contribution. The name of the sponsors of this project will be printed on the project homepage and we can also help to make good pictures at the site with a company logo or name during installation.

## ***Final words from Linus (owner of Tanzaniaprojektet)***

This document is very brief and the only intension is to awake your interest to help me the villagers to make an end of the suffering. Now we are so close to the goal but you must not fool yourself since every day while I am struggling to get sponsorship for this project, people die in diseases (that are easily treated) caused by water born diseases. Those people are not only numbers or statistics for me. Those are my friends, people I knew and that I have been together with in Mvuleni while digging trench for the pipe or installing a new tower with tank and taps. Knowing that next time I go back to Tanzania, with the help of you, we are going to put an end of that suffering. And we are doing it with sophisticated and newly developed technique and in the best environmental way possible. This has been my dream for many years and me and the population of Mvuleni are grateful for your help.

## ***Shortly about Linus Dunkers***

Linus Dunkers is the founder of Tanzaniaprojektet and he decided in 2003 to work with Mvuleni until they get clean water for domestic use. Even if Linus is only 22 years old and started to work with projects in Tanzania at the age of 18 he has succeeded with a great deal of projects. Linus now has a house in Tanzania where he stays during his visits. When Linus is in Sweden his Tanzanian friends stay in the house and through modern technology he can communicate more or less every day with them. Linus is now studying for master in computer engineering at Linköping University but will always have a separate life in Africa.

Information about all projects can be found in Swedish and also some in English at:

[www.tanzaniaprojektet.se](http://www.tanzaniaprojektet.se)

For further information, please visit homepage or contact Linus at:

E-mail: [info@tanzaniaprojektet.se](mailto:info@tanzaniaprojektet.se)

Adress: Skrivaregatan 12

Zip: 58647

City: Linköping

Mobile: +460704755250

Phone: +46134820152

## Center For Alternative Technologies Limited

Jos Hansen & Soehne Bldg.  
Baba Dogo Rd, Ruaraka. Nairobi  
PO Box 64921  
Nairobi, Kenya

Phone: 254-2-8562034, 8561253  
Fax: 254-2-8562310  
Email: info@cat.co.ke



### Pro Forma Invoice

<b>INVOICE TO</b>
Linus Dunkers

NO	L.P.O. NO.	Date	TERMS	VAT REG NO	PIN NO:	
P-12-0001		11/12/2006	Due on receipt	0105591E	P051113962V	
ITEM	DESCRIPTION	QTY	RATE €	VAT %	VAT AMT	AMOUNT €
01	Lorentz PS 1800 C-SJ5-8	2	1,096	0%	-	2,192
02	Sharp 175W PV Module	16	715	0%	-	11,440
03	ETA Tracker 1500	2	1,601	0%	-	3,202
04	Cable Splice Kit	4	12	0%	-	48
05	Water Level Probe	2	30	0%	-	60
06	PV Disconnect	2	110	0%	-	220
07	Submersible Cable 4 CORE 4mm	120	6	20%	144	720
08	16mm Single Core flexible cable	50	4	20%	40	200
09	Flexible Conduit	50	2.50	20%	25	125
10	Eart Rods	2	25.00	20%	10	50
11	Sea Freight to Dar es salaam - to be advise by Oliver			20%	-	0
12	Installers and Tools Transport to site	750	0.60	20%	90	450
13	Installation cost	1	1,650	20%	330	1650
<b>Items to be sourced by cleint unless otherwise agreed</b>						
01	1¼ Inch Glavanized Steel Pipe 6 METER Lengths	10				
02	Excavation and concrete works for trackers and under ground cables					
03	Meals and accomodation ofr 4 staff for the duration of the installation					
04	Borehole cover and support plate	1				
Items 01 to 06 will be shipped from Humberg - the rest will supplied locally						
<b>VAT SUMMARY</b>				Subtotal		20,357.00
639.00 @ 16.0%				VAT		639.00
				Total		20,996.00