

GIRLS SECONDARY SCHOOL MACHIPI IFAKARA TANZANIA

2011 (234 Students) - 2019 (671 Students)

Project status 01.08.2019

Photodocumentary

Print August 2019

1. Visiting the school on the 7th of July 2011





The Laboratory:





All (!) chemicals in the room are freely accessible

→ Installation of shelf!

Visiting the school on the 19th of April 2012











The first shelves and doors have been done!

Laboratory cleaned up?





........ with shelves, but → But in the only lockable shelf is... trash



Meeting:









Defect water pump:

e-mail:

The water pump costs 10,000,000/= T.Shs (ten million tansania shilling). That 's for the motor, the pump and switchboard. Today our old waterpump at the school broke and now we don't have any water, life is hard. Help us get a new water pump. Thanks a lot.

With kind regards.

Richard



Putting together the tube pump, checking the tube and electricity.



Waiting for clean water!

Swimming Pool Equipment Water Treatment Solar Power Products Dissel Engines & Generators

DAVISIS SHIRTLIFF (TZ) LTD = PO Box 10720, Dar Bo Salaam TANZANIA =Tol. (+255.22) 2112016/0 = Fox. (+255.22) 2112618 = offox@azJaslificom

PROFORMA INVOICE

REF: LK/SA/403 DATE: 18th OC1, 2012

OUR VAT REG. NO 10-005498-1 OUR TIN NO: 100-147-785

YESAYA B. P.O BOX

Dear Sirs,

QUOTATION FOR THE SUPPLY ONLY OF BOREHOLE PUMP

REFERENCE IS MADE TO YOUR ENQUIRY IN REGARD TO THE ABOVE AND NOW FORWARD OUR QUOTATION, TERMS AND CONDITIONS AS DETAILED.

 Requirements; supply of borehole and its accessories given the following data length of borehole-80m pump position-70m SWL- 9.2m PWL-35,55m Tested yield-9800i/hr Horizontal distance- 450m pipe size- 2" casing-6" vertical elevation of the tank-25m

2. equipment

Qty	DESCRIPTION	Unit	Gross	Disc.	Nett
1	GRUNDFOS SP 8A-25,4KW,3PHASE BOREHOLE PUMP c/w motor	8,140,000	8,140,000	15%	6,919,000
1	EVOLUTION CONTROL PANEL D 1.1-7.5 KW, 3PHASE	1,420,000	1,420,000	15%	1,207,000
80	SUBMERSIBLE DROP CABLE 4 CORE*2.5 mm*2 (m)	7,700	616,000	15%	523,600
1	CABLE JOINT (SMALL)	15,000	15,000	0%	15,000
3	SUB TOTAL				
8			ADD 18% VAT		
8	TOTAL COST				

AVAILABILITY: EX STOCK

VALIDITY: SUBJECT TO CONFIRMATION AT DATE OF ORDER.

WARRANTY: SUBJECT TO OUR STANDARD TERMS OF WARRANTY.

PAYMENT: 70% WITH ORDER, 30% ON COLLECTION

WE TRUST THAT THIS IS NOW IN ORDER AND AWAIT YOUR FURTHER INSTRUCTIONS IN DUE COURSE.

YOURS FAITHFULLY FOR DAVIS & SHIRTLIFF,

LILIAN KITYEGE 0787 34 79 92

Visit in Oktober - November 2013

Laboratory - Chemiesaal:

Throwing old things away and adding new things. The new headmistress is helping.















Everyone is happy in the end!

Sewer Oktober 2013 - water pipe 1













Sewer under the building 2014



Visit in May 2014



sewer2014





May 2014







A lot of windows were placed in order during December of 2013:





They have been installed in October 2014.







October 2014

Visit in fall 2014 drainage dig





Waterstation with a direct connection ->

Due to that we have clean water - no more plastic bottles!



sewer:



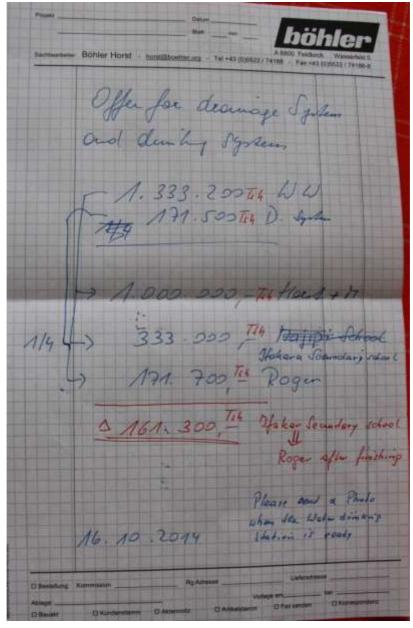








October 2014 agreement: Who pays for what?



water:

Plans and site search for a reed bed treatment plant, waste water tank/ septic tank







Oktober 2014 Osmosis plant for the chemistry lab









House of the staff



School 2014



Visit in September 2015 1. Meeting



Water taps for washing the hands - NEW!





Fight against garbage!



September 2015



2. Meeting in September 2015



Windows that can be opened



Headmistress Annette

The first garbage can for the school got delivered!



September 2015



Student meeting





Presentation of the new headmistress



Visit May - June 2016



digging
to
the
septic tank





Laboratory 2016 \rightarrow now it is perfect!





May – June 2016

Terrain for the reed sewage treatment plant



but: the old system is still in operation





Toilets 2016



A letter by the headmistress:

IFAKARA SECONDARY SCHOOOL,
P. O BOX 148,
IFAKARA.

28. 09. 2016.

BOHLER HORST A 6800 Feldkirch Wasserfeld 5 Tel +43(0) 5522/74188 Fax +43(0) 5522/74188-8 E mail: horst@boehler.org

Dear;

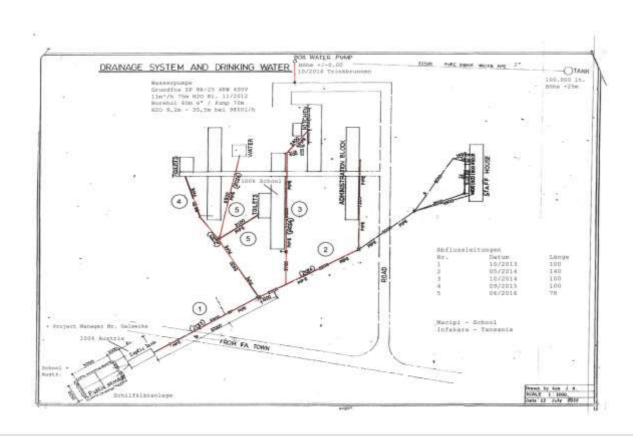
RE: APPRECIATION FOR AN OUTSTANDING PERFORMANCE

The heading above holds water. On behalf of Ifakara community, Town director, Town District Education Officer, as well as School Board Members. I would like to express my sincere appreciation for your projects activities you have done to our school.

The school specifically does appreciate for your outstanding performance in the way that several projects you have done to our school, have conducted in effective manner and gone correctly. As consequence, the project solved many of problems that our School faced before. Thank you!

Your sincerely
ROSE MGAYA, HEADMISTRESS

DRAINAGE SYSTEM AMD DRINKING WATER 2016



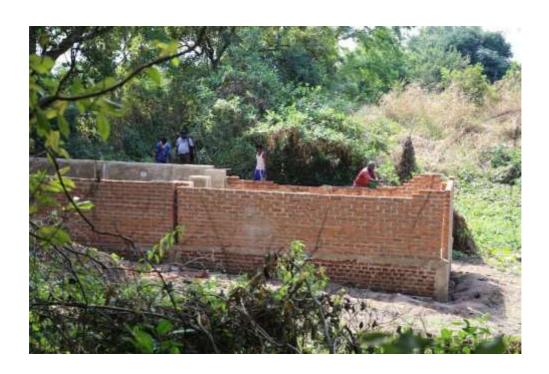
2016: Septic Tank for sewage – 90 000 litres









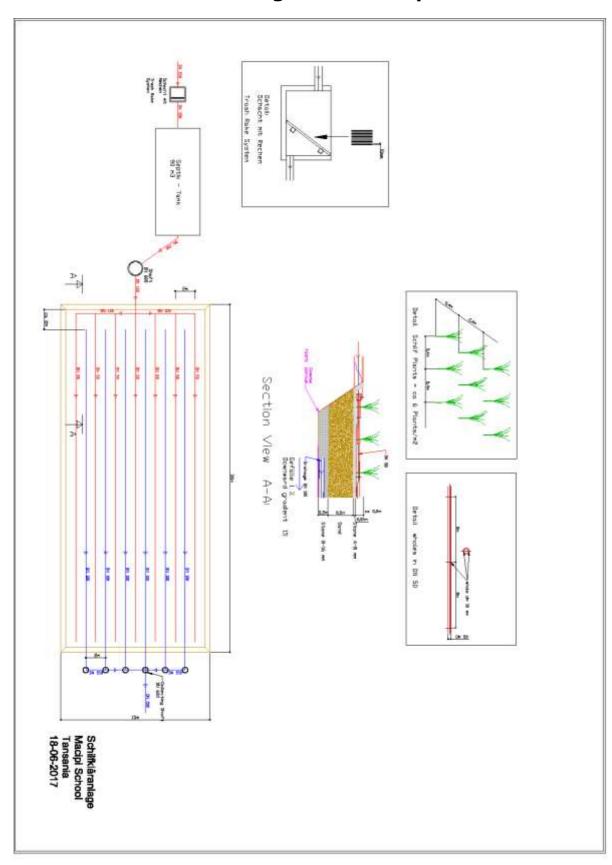


May 2017

Preparations for the final exams



Reed sewage treatment plant



Estimated cost of the reed sewage treatment plant

	COST ESTIMATES	/ MACH		T		
ITEN	the commence of the control of the c			ESTIMATE		
		UNIT	QTY	RATE	TOTAL(TSHS)	
(9	Supply mict pipes to the filter bed PVC pipe DN 150 PN 6 For	М	55	25,275.00	1,390,125:00	
2	Supply feeder pipes to the filter bed PVC DN50 PN6 to be fixed at the top of the fiter $7 \times 35m$	M	260° 231	2,730.00	709,800 00 630,63 0.	
3	supply feeder pipes to the filter bed PVC DN 100 PN6 to be fixed at the top of the filter with reduced TEL and Filtows	м	12	14,804.00	222,060.00 177619	
4	supply TEE reduced PVC DN 200 to DNSO PN6 to be fixed at the top of the litter	PCS	6 V	11,000.00	66,000.00	
5	Supply Elbow reduced PVC DN 100 to DNSO PN6 to be fixed at the top of the filter	PCS	. 21	11.000.00	22,000,00	
	Supplydrainage pipe PVC DN100 PN6 tobe fitted from the filter bed to the disposal site.	М	. 100°	14,804.00	1,480,400.00 140 200,	
6	Supply drawing pipes PVC DN100 PN6 to be lixed at the bottom of the liter 6 × 35	М	250 210	14,804.00	3,701,000.00 310886,	
7	supply TEF equal PVC DN 100 PN6 to be fixed at the bottom of the filter Collecting SLOP DV	PCS	6	2 11,000.00	66,000.00	
8	supply Elbow PVC DN 100 PN6 to be fixed at the bottom of the filter	PCS	2	11,000.00	22,000.00	
Ģ	construction of inseption chamber at te- mict of the filter bod 1000mm x 1000mm x 1700mm	I./sum	L/Sum	450,000 00	450,000.00	
10	Supply infet Joint flexible HDPE ND100 with a spring to be fixed at inlet chamber	PCS	. 1	60,000.00	60 000.00	
	supply vont strainer PVC DN100 to be fixed at the raised end underground pipelsy easy unbroking	PCS	6	11,000.00	66,000.00	
12	Supply plugs DNSO to be fixed at the end of the influent drop pipe	PCS	7	8,000.00	56,000.00	
13:	Supply elbow bend 45 degrees 14 DN 100 to be fixed on the walls of the filter bod.	PCS	12	11,000.00	132,000.00	
"	Supply trip stones of 4 cupic metre	trips	22	170,000.00	3760 000 - 8,500,000.00	
3	Supply course aggregates 0.5" of 4 cubic metre each 35 15 101-53 14	trips	.指	310,000.00	1,100,000 TO	
	Supply sand 33 x 13 x 05 - 215 x 3/4	Trips	13054	60,000.00	7,800,000.00	
7	Geotoxtile sheet Squire metre 525	М	100	45,000.00	4,500,000.00	
	connecting the soptic tank with the executing sower from the school	L/sum	L/Sum	610,000.00	610,000.00	
	11-1-2011	Sub total			32,953,385.00	
	Sc4002 labor and supervision				6.590,677.00	
1		Total cost			39,544,062.00	
_					CARL TAKE THE PARTY OF	



Construction Committee June 2017



Dig: Reed sewage treatment plant,

In the background: Septictank 90 000 I



Reference line reed sewage treatment plant



Material delivery

The school was renovated by the District!

- The sanitary facilities by us!

October 2017





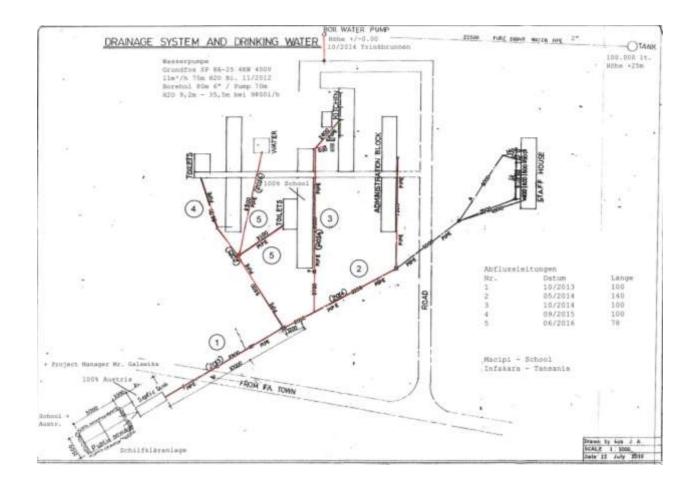






2018

Sewage plan January 2018



Visit and inspection in Ifakara

Girls Secondary School Machipi

2nd – until 12th of April 2018

to make sure that everything is working out.

August 2018: Delivery of gravel and pipes for the reed sewage treatment plant. The grains must be right - we are having some problems here!





Construction start: reed sewage treatment plant in September and October 2018













The first greed has been planted!

October 2018





23. July - 3. August 2019



Visiting team with headmistress: Jonas, Muriel, Horst, headmistress, Lina, Gerd

The septic tank is in operation!

But in 2019 there are still 120 metres of pipelines to be done to make a connection to the river! The grid is holding everything back that doesn't belong in the water. The tank still needs to be cleaned.



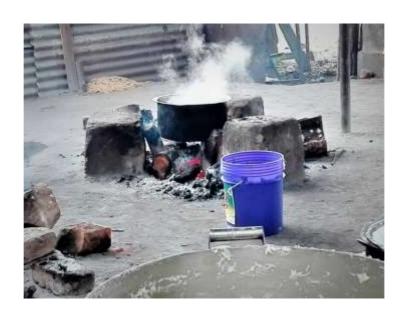






The water tap is closed and there is no more garbage laying on the floor.

Fire place: How you use heat properly!



The new fireplaces were built by the school without the help of others (!)

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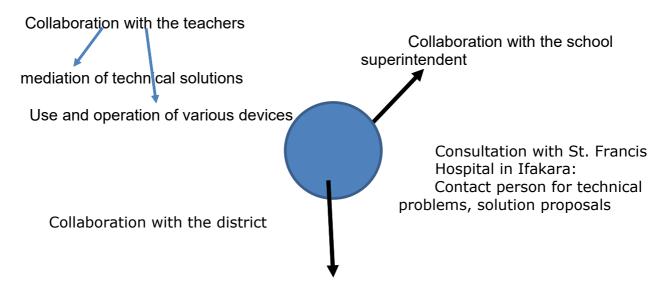
It guarantees 50% saving of wood



To have better control over the water usage a water counter was installed. The results are checked daily. Part of the water is given to the local community.

Goals

Our way to work is creating networks:



Collaboration with the water authority of Ifakara Town

The number of students in the all girls school increased drastically: Within just one year the number went from 234 to 671 -> challenge for the district

The only way that girls here in Ifakara are able to escape the traditional image of women (early marriage - a lot of kids - working on fields - poverty) is by visiting a secondary school.

The graduates of the agricultural training - annual 238 young women - are multipliers, who share their skills with their families.

Some of the things the girls have learned during the past 3 years:

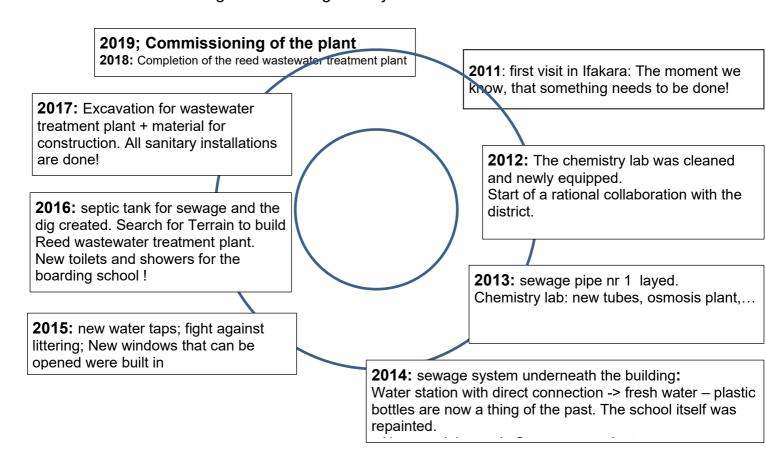
- to be organised
- a new attitude
- waste separation
- saving water
- the necessary standards for hygiene
- because of that: less illnesses
- new possibilities even for the poor part of the community

Manfred & Horst's Projekt in Tansania Ifakara Girls High School Machipi in Tansania, Morogoro

The first time we had a look at the agricultural training school for girls in Machipi in Ifakara it was in a very bad condition:

All the chemical substances which are used in chemistry lessons were scattered everywhere and freely accessible.

- The water supply in the boarding school with 232 students collapsed and for weeks they did not have anything but a little tanker
- The sewage pipes were leaked and the result was a lake containing dirty, with fecal matter contaminated water.
- Part of the sewage was making its way to the little river next to the school.



2019: 671 students are now studying at the secondary school and serve as multipliers who share their skills with their friends and family. The only way that girls here in Ifakara are able to escape the traditional image of women (early marriage - a lot of kids - working on fields - poverty) is by visiting a secondary school.

What they learn and live is:

- to be organised
- a new attitude
- waste separation
- saving water
- ⁻ the necessary standards for hygiene
- because of that: less illnesses

Our team from Feldkirch (Austria) is consisting of:

Mag. Maria Fiel, Gemeindegutstr. 1 a, 6800 Feldkirch Ing. Gerd Schachenhofer, Hämmerlestr. 60 a, 6800 Feldkirch Horst Böhler, Sandgrubenweg 7 a, 6800 Feldkirch

Our team GUARANTEES that donations will ONLY be used to support "Girl's Secondary School Machipi" in Ifakara/Tansania.





Donations account: Hilfsprojekt Ifakara IBAN: AT38 3742 2000 0010 1493