

**THE WATER PROJECT, THIRST RELIEF INTERNATIONAL, &
SEEDS OF HOPE INTERNATIONAL PARTNERSHIPS**



REPORT ON THE PUMP REPAIR

IN

NKWAZI MIDDLE BASIC SCHOOL
NDOLA AREA

THE WATER PROJECT, THIRST RELIEF INTERNATIONAL, & SEEDS OF HOPE INTERNATIONAL PARTNERSHIPS

Pump Field Report

PR – 23 - 06 - 08

1. Name and location of the community: Nkwazi, Ndola
2. Person completing this report: John Bwalya Date: 26/06/08

Crew members: Mike Zulu, Kennedy Kapuka, Francis Mwamba, Katongo Kapuka

Community well or commercial well? Community well

Pump Caretakers trained: Head Teacher

PROJECT INFORMATION

3. Approximate population served 1300 GPS (Lat) 12° 56.263'
(Long) 028° 38.643'
4. What are the community's previous water source(s)? Piped city water
5. What are the common water-related diseases/problems? Unreliable source
6. Describe the water supply provided and/or training that was done in this community. We supplied the community with clean safe drinking water, and we also conducted pump repair training. Four (4) people were involved.
7. Please provide a statement or quote from one of the community members about the impact of this project on the community. Nkwazi school has longed for a bore hole, they had no knowledge of the abandoned bore hole found in their area. They said that Seeds of Hope/The Water Project/Thirst Relief International is a blessing to their community. They wished us good luck and prosperity.
8. Close-up photograph of the new water source, Yes (with community members)
yes

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Apron construction, Nkwazi middle basic school.

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That's the new pump being fixed on the borehole.

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Here goes the newly installed pump; we have water for the school.

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Describe Pump Repair:

We discovered the following problems:

- **York stand completely destroyed**
- **Rods were disconnected**
- **Rods broken as a result of rust**
- **No tank available**
- **No handle available**
- **P.V.C pipes were used but cannot be repaired because they hardly have threads. Glue was used to join the broken pipes.**
- **Old cylinder that cannot be repaired.**

Describe how the work progressed?

We:

- **Erected a York stand**
- **Constructed an apron**
- **Installed new Indian Mark II fittings**

Well log attached?

Depth 41m water level 5m pipe used Galvanized pipes Casings used P.V.C Pad poured circular Pump used Indian Mark II Soak away pit cubic Fence style wall fence

Achievements

?

Pupils no longer have to go back home when water is not available, for they have a new source of water re-established.

Materials used:

Complete Indian Mark II

Cement

Stones

Sand

Recommendations/ suggested follow-up/ activities requests from community?

We need to dig a soak away and fill it with stones.

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WELL LOCATION

COUNTRY: ZAMBIA

VILAGE: Nkwazi

PUMP

MAKE: India Mark II

MODEL: Indian Mark II

SERIAL #: 2517

STROKES # 42 strokes to fill 20litres

COMMENTS: The pump is good

CONCRETE PAD

SHAPE: Round and spoon drain

MATERIALS: Cement

Stones

Sand

Blocks

COMMENTS: It is a very good pad

WATER QUALITY

APPEARANCE: Clean/ clear

TEST RESULT: Good

COMMENTS: Water is good for human consumption

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Describe your understanding as to how the funds are intended to be used **TO BE USED
IN PUMP REPAIR IN NKWAZI COMPOUND [NDOLA]**

Type of Expense (2)	Item Description	Local Currency (Cost)	USD\$ (Conversion)
TRANSPOTATION	FUEL USED TO AND FROM THE SITE	K 105, 000	\$ 32
PROJECT SUPPLIES	FOOD STUFFS AND OTHER RELATED GOODS FOR THE TRAINERS	K 58, 571	\$ 17
COMUNICATION	EXPENSES	K 24, 285	\$ 7
MATERIALS	Indian Mark II pump(Complete Set), Cement, stones & sand,	K 2, 854, 400	\$ 873
Allowances	ALLOWANCES PAID TO PUMP REPAIRS	K 460, 000	\$141
Pre and Post Visits	Pre and Post visits	K 229, 900	\$70
SUB TOTAL		K 3,731,156	\$ 1140
OVERHEAD	10% on top of bill Subtotal	K 373,115	\$ 114
TOTAL	BEING THE TOTAL EXPENDITURE FOR THE ACTIVITY DONE	K4, 104,271	\$ 1,255