MALEWA CLEAN WATER PROJECT

Background

World Water Crisis:
- "In America, we may not have to worry whether our water is contaminated with dangerous bacteria, but in other parts of the world, this is not the case."
- "Every year more than five million people die from waterborne disease."
- "80 percent of water-related deaths in children ages 0-14."
- "90 percent of water-related deaths occur in the developing world."
- "At any given time, half of the world’s hospital beds are occupied by patients suffering from a water-related disease."

Kenyans:
- "Over half of Kenyans live below the poverty line."
- "Only 10 percent of the population has any access to safe water sources."

Malewa:
- "We are teaching or establishing a business selling purified water in the village of Gikiga in the region of Malava."
- "People in the village spend about 50% of their income on water from a local tap, or walk long distances to get clean water from the local river."
- "The village of Malewa has a peak of 12,000 people."
- "Many women spend days working and labor for only 1,000,000 ksh."
- "The children in Malewa are very interested in learning how to better themselves."
- "The Njiru School and Kimbo School specifically trained girls to work with us in implementing a safe water plan."

Background

Better Water Maker (BWM):
- We use the BWM to purify the water in the business.
- invented by Bob Berkel.
- Built a clean water system.
- Limited to One water point at schools.
- Water is delivered at the desk.
- Puts a black button.

Obtain water:
- We obtain water pure from the following water sources:
  - City collection points
  - City Check Point
  - City
  - Places by the schools
  - Rainwater harvesting system
  - Mono kits and Kfisi Khe water systems
  - Nearby Rivers

Micro Loans
- In order to start this project we will have to make initial investments which will be paid for by the micro loans.
  - Kiva
    - $50,000 loan for 5 years.
    - 55% interest rate.
    - Profit margin: 25%.
    - $45,000 is the maximum.
  - Help America's start, build, and grow businesses
    - The funds are used to help American's who want to start businesses in their home country.

Project Introduction

- We’re establishing a micro business in a third world country to distribute clean water in the slums.
- We will use schools in the Malava region to run our businesses.

Impact

- By expanding the project to other schools throughout Kenya we will ultimately take steps toward:
  - Ending the clean water crisis in Kenya.
  - Enhance the awareness of water health throughout Kenya.

Goals

- Distribute Clean Water
- Enhance Water Education Program
- Bring in money
- Make a profit

Distance
- The distance between the schools and the slums poses a considerable challenge:
  - 2.4 km away.
  - An initial investment is needed via micro-financing to bridge the distance:
    - Test: 500 ksh.
    - Invest: 500 ksh.

Storage
- We want to build a safe, secure, and sustainable solution to water storage.
- Every home can be connected.
- Householder and family use.
- Freely, we will provide interest and non-collateral collateral to the clients in the future.

Field Workers

- Malewa Trust
  - Malewa Trust, an NGO in Kenya, has offered to help us implement the device.
  - The trust wants to create a plan for an environmental training, sustainable land management, and conservation of biodiversity in the Malava area.

- Schools
  - Mawusa (primary), Kimbo (primary), and Ngachi (secondary)
  - The students will be purified the water as part of an education program.
  - Help deliver the water to the slums.

Distribution
- We will sell and distribute the clean water to the slums.
- There is no additional setup cost.
- 1,000 ksh.
- Long lasting lifecycle: 10 years.
- We will not cost and make sure it’s not going to the destinies of the old customers to still water normal of getting a new one.

Schools
- Enhancing the education in the participating schools by reinvesting the profits in:
  - Uniforms
  - Projects in the school
  - Refurbishing
  - Academic projects

Micro Loans
- Paying back the micro-loan which funded the initial start up cost

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