



READY AIDERS FOUNDATION

PERCY DAVIES SPECIAL SCHOOL BOREHOLE PROJECT

Project details

Project name: Percy Davies borehole project

Location: Kambiti ward, Maragua constituency, Murang'a County, Kenya

Project duration: 3months

Project inception: March 2017

Submitting organization: **READY AIDERS FOUNDATION**

Ready Aiders Foundation is a non- profit, community empowerment and development program with the following objectives:

1. To create autism awareness and develop intervention programs that addresses the needs of persons in the autism spectrum disorder.
2. To support the physically, socially and economically disadvantaged persons by providing them with assistive devices, therapy and economic empowerment programs.
3. To empower the youth and women in the community by developing programs that enhance life skills and leadership development for the support of positive ,personal, economic and social change
4. To establish strong community partnerships and links with companies, non- profits, governmental and non-governmental organizations to promote the wellbeing of persons living with disability, autism and the youth and women in the community through advocacy for favorable policies and programs.

EXECUTIVE SUMMARY

Disability directly and indirectly affects a significant proportion of the world's population. The World Health Organisation estimates 15% of people worldwide are affected by disability (over 1 billion people).Persons with disability are likely to experience increased health risks because of lack of access to

sanitation and hygiene services if the cleanliness of the surface in the areas and children homes where they live is not taken into consideration. In PERCY DAVIES SPECIAL SCHOOL which houses children with Autism and other challenges, water and sanitation is top of the priority list of the school. Therefore better facilities and sufficient water supply to the school will reduce exposure to diseases and reduce workload for the caregivers in the school, thereby increasing opportunities for income generating activities for the school where these children are taking their education from. We the Ready Aiders Foundation in partnership with Mzazi Foundation and Old is Diamond have taken up the challenge to ensure that children at Percy Davies special school get access to clean and reliable water source.

PROJECT BACKGROUND

PERCY Davies special school- Kambiti is a mixed boarding school for learners with mental challenges. However, it has learners with multiple handicaps, orphans and others who are vulnerable. It has a total population of 84 pupils. The school made its first admission in May 2008. The school was officially opened in November 2009 by the then Maragua Member of Parliament Hon Elias Mbau. This school is located along Thika –Kenol – Sagana Nyeri highway approximately 80km from Kambiti secondary school and Sun mango processors factory. The school is run by a Board of management the sponsor being the District Education Board D.E.B. currently, there are twelve 12 Government trained teachers- 5 males and 7 Females. There are ten 10 support staff members.

As stated earlier, the school handles learners with mental challenges. Some have multiple disabilities. They have substantial limitation in present functioning characterized by significantly sub-average intellectual functioning and related limitation in two or more of the following application adaptive skills areas, Communication, Self-care, Home living, Social skills community use, self-direction, health and safety, functional academics and leisure and work.

Learners in this school have different functional levels. They need to be equipped with independent living skills, literacy and vocational skills to help them achieve maximum potential to ensure that they become self-reliant and live like any other people.

PROBLEM STATEMENT

The school does not have a permanent water source. They rely on a shallow well which dries up during the hot season. The other water supply point is far from the school and does not provide enough since they share it with the local community.

This area receives very low rainfall. They usually harvest rain water which does not have enough storage facilities to contain this. It has been proposed in many occasions, that sinking of a borehole will serve as a long term measure to this water problem.

Children with special needs are most of the times not able to coordinate well their toilet schedules for example in this school almost three-quarter of the pupils are dressed in diapers. This makes the need of constant flowing water a major one.

Land Reference Number Makuyu/Kambiti Block 2/637 is located on Map Sheet Number 135/3 in Kambiti area of Murang'a County. The site is about 2.2 kilometres north east of Kambiti Shopping Centre. The elevation of the site is approximately 1158 meters above mean sea level.

OBJECTIVES OF THE PROJECT

- i. To provide clean water for the pupils at Percy Davies special school through borehole drilling
- ii. To equip the school with water storage facilities and water connection pipes
- iii. To sensitize the community on the hygiene needs to be met for children and adults with special needs
- iv. Create awareness on autism and the interventions to the challenges faced by both the persons with autism and their caregivers

JUSTIFICATION FOR THE PROJECT

Due to the delicate number of the children in the school on hygiene the project will benefit in the following ways:

- i. There will be sufficient water in the school for the children
- ii. The school will be able to take in more children since they will be in a position to maintain hygiene and health, the school currently has a huge waiting list for children who are to be admitted.
- iii. It will enable the school start-up a greenhouse which will in turn feed the children and surplus to the community
- iv. With the availability of water and the greenhouse there will be enough nutrition standards for the children since the Autism condition is majorly about nutrition.

- v. The school will be able to supply the water to the neighbouring community making it get income to service and maintain the borehole.
- vi. After the project the community will appreciate the children with autism and other special needs and work towards various intervention programs for them.

PROJECT BUDGET

Item No.	Description	Unit	Estimated Qty	Unit Price (KES)	Total Price (KES)
1	Drilling				
1.1	Mobilization and transportation of whole drilling unit stores, personnel, tools, material and other required supplies to site.	1	1	100,000.00 (\$990.2)	100,000.00 (\$990)
1.2	Demobilization and transportation of whole drilling unit stores, personnel, tools, material and other supplies from site.	1	1	110,000.00 (\$1089.2)	110,000.00 (\$1089.2)
1.3	Drilling borehole with a diameter of 8" (203mm) to a depth of 170m	M	170m	10,000.00 (\$99.00)	1,700,000.00 (\$16831.70)
1.4	Supply of water for drilling operations and camp use.	Ls.	4Tonnes	65,000.00 (\$643.6)	65,000.00 (\$643.6)
	Subtotal				1,975,000.00 (\$19554.5)
2	<i>Installation & design of casing / Screens</i>				
2.1	6" STEEL plain casings installation	M	18pcs	10,000.00 (\$99)	180,000.00 (\$1782.2)
2.2	6" STEEL screens casing installation		10pcs	11,500 (\$113.90)	115,000.00 (\$1138.60)
	Subtotal				295,000.00 (\$2920.80)
3	Well Development & Construction				
			Tones		

3.1	Installation of selected filter gravel pack (2-4mm).	MT		45,000 (\$445.60)	45,000.00 (\$445.60)
3.2	Well Development by air lifting including installation and removal of development equipment.	Hr.	6hrs	45,000 (\$445.60)	45,000.00 (\$445.60)
	supervision	L/S	-	60,000.00 (\$594.10)	60,000.00 (\$594.10)
	Subtotal				150,000.00 (\$1485.20)
4	Test Pumping				
4.1	Actual test pumping for a period of not less than 24 hrs. The borehole dynamics shall allow establishing the actual borehole yield.	L/S	24HRS	5,000 (\$49.50)	120,000.00 (\$1188.20)
4.2	Surface casing 8 "3 m each,	3PCS	8	8,000.00 (\$79.21)	64,000.00 (\$633.70)
	Subtotal				184,000.00 (\$1821.80)
5	<i>Physical and Chemical Analysis and Report Compilation</i>				
5.1	Water sample physical (Inc. temperature) and chemical analysis.	No.	1	15,000 (\$148.60)	15,000.00 (\$148.60)
	SUBTOTAL				<u>15,000.00</u> (\$148.60)
5.2	Geological survey and report ---				37,000.00 (\$366.40)
6	<i>Miscellaneous I.e. capping, cement , labor among other things</i>				15,000.00 (\$148.60)
	Grant total				2,671,000.00 (\$26445.60)

Bank Account Name: Ready Aiders Foundation;
Account Number: 0020270696759
Equity Bank Four Ways Branch.

M-PESA PAYBILL

(Business Number) 559941

(Account Number) put in your name or organization

PROJECT TIMEFRAME

Tasks	April 2017	May 2017	August 2017	December 2017
Proposal writing				
Fundraising				
Assessment of the progress				
Actual Project Planning				
Execution of the project				
Project Launch				

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