



**Adventist Community School, Kirkau**  
P.O. BOX 354-00511 Onga'ta Rongai - Kenya

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## **Kirkau WaSH- Increase water accessibility and sustainability**

### **Background**

**Kirkau Water: In April 2017** - The Kirkau Primary School WASH Project was launched. Due to this support – the school enrolment has grown from 12 in 2017 to 45 pupils in 2019, a trend that is expected to continue. A total of 56 households have now individual household connections while a similar number collects water from the only communal water point. Below is a photograph during the launch.



**Figure 1 - Launching the Kirkau WASH on 25th April 2017**

The communities to the West are on a higher elevation than can be served by the available head at the water tower. Currently, the 20 connections in this area are served through direct pumping which gives them intermittent supply and experiencing frequent pipe bursts due the high pressure from the pump. An additional storey at the water tower is necessary to increase the water head in order to effectively serve this community.



Figure 2 – Picture 1: Water Tower; Picture 2: Pupils at the water launch with Greenhouse in the background

### **Proposal**

**Objective:** The overall objective of this proposal is to enhance community well-being, self-reliance and sustenance through water, sanitation and hygiene initiatives through the increasing of the water head so as to serve the communities on the higher elevations on the Western side of the school.

**Activity 1:** To alleviate the challenge facing the community on the higher elevation West of the school, we propose to build an additional storey on the water tower so as to increase the water head in order to serve the community by gravity, thus proving continuous supply and also reducing the pipe bursts caused by the high pressure generated by the pump during direct pumping into this service line. A steel staircase will be fabricated to ease maintenance of the elevated tanks on the water tower.

**Sustainability:** A separate Water Management Committee is set up with detailed terms of reference with a separate Water Project Bank Account. All payments are receipted and now consumers pay directly to the Water Project Account maintained with Kenya Commercial Bank, Ongata Rongai Branch. All connections including the greenhouse, the school ablution block and the community water point are metered to ensure that all the water produced is accounted for. The school does not pay for the water used in the school compound (domestic use, ablution block and the greenhouse).

**Community inputs:** In anticipation of the additional floor (storey) on the water tower, the community has raised and installed a 500m pipeline of diameter 1.5inch and 20 households are now connected who are served intermittently through direct pumping. The consumers hold regular meetings to discuss progress and get to know each other better.

**Financing:** Rotary Club of Steamboat Springs will provide \$6,000. Madarka Rotary Club is providing \$1,000 and a \$2,000 grant from Rotary district 5440 has been applied for a total \$9,000 for this project.

**Process of developing this proposal:** This proposal has been developed in full consultation with the community. The contact persons are Isaack Oenga – Tel +254 722 509 243; email [ioenga@yahoo.com](mailto:ioenga@yahoo.com). Kirkau Primary School Head Teacher Mr. Jared Chida – Tel +254 729 859 128.

**Proposed budget**

The proposed budget is detailed below.

<b>Kirkau WASH – Proposed budget<sup>1</sup></b>							
	<b>Item</b>	<b>Purpose</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>	<b>USD</b>
1	4th Floor at Water Tower, Tank and piping	Improve water delivery to consumers	Number	1	500,000	500,000	5,000
2	Steel staircase to 4th floor	To ease accessibility for cleaning tanks	Number	1	150,000	150,000	1,500
3	Management Cost	Technical supervision and support	Number	1	100,000	100,000	1,000
4	Labor costs	Local and technical labor	Number	5	2000	100,000	
	<b>Sub total</b>					<b>850,000</b>	<b>8,,500</b>
5	Contingency					50,000	500
	<b>Grand Total</b>					<b>900,000</b>	<b>9,000</b>

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<sup>1</sup> USD equivalent Ksh 100