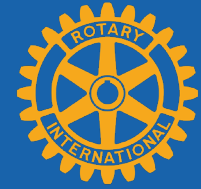




**Rotary**

Club of Nairobi Madaraka



# **OLDORKO MOSIRO PRIMARY PROJECT**

## **PROJECT CONCEPT**

## ABOUT ROTARY CLUB OF NAIROBI MADARAKA

Chartered on June 1, 2012, the Rotary Club of Nairobi Madaraka is one of Africa's youngest and most dynamic Rotary clubs, with a vibrant membership that includes many former Rotaractors. The club focuses on areas such as clean water, education, economic development, and environmental sustainability, with a strong emphasis on sustainable solutions.

The club is known for undertaking impactful community projects that address local challenges, making a meaningful difference in the lives of the beneficiaries. For more details, visit [www.rotarymadaraka.org](http://www.rotarymadaraka.org)

### Our Projects

The Rotary Club of Nairobi Madaraka has successfully executed several community service projects, including:

**1. Mithu WASH Project:** A comprehensive water,

sanitation, and hygiene initiative aimed at providing clean water access and improving health outcomes.

**2. Maktaba Project:** A literacy project that focuses on equipping schools in Kisii with books and exam stationery, enhancing access to education for thousands of students.

**3. Friend's Integrated Centre Project:** The construction of a toilet block to improve sanitation and hygiene facilities for a special-needs community.

These projects reflect our commitment to sustainable community empowerment, addressing critical needs through local collaboration and expertise.

## PROJECT OVERVIEW

The Rotary Club of Nairobi Madaraka proposes an integrated development project aimed at improving the living conditions and educational opportunities for students at Oldorko Mosiro Primary School, located 50 km from the Maai Mahiu-Narok highway in Kajiado County, Kenya. This project will focus on the following key components:

- Construction of dormitories for boys and girls.
- Completion and equipping of a borehole.
- Establishment of a sustainable farm.
- Development of a fully equipped library.

Oldorko Mosiro Primary School is a public institution that provides education to the pastoralist community in this remote area of Kajiado County. In addition to offering basic education, the school serves as a refuge for girls escaping female genital mutilation (FGM) and early marriages, as well as boys fleeing difficult conditions at home.

The current infrastructure and resources at the school are inadequate to support the needs of the students, many of whom come from vulnerable backgrounds





# PROJECTS COMPONENTS

## i) Borehole Completion & Equipping

**Objective:** To ensure access to clean and reliable water for drinking, sanitation, and agricultural activities.

**Scope:** The project will include the installation of a submersible pump, solar panels for sustainable energy, a water storage tank with a capacity of 10,000 liters, and a distribution network connecting key areas of the school and the surrounding community. A water treatment system will be installed to ensure water quality meets safety standards.

**Impact:** The borehole will benefit not only the school but also over 1,000 pastoralist households in the surrounding community. It will provide a steady supply of water for household use, livestock, and small-scale irrigation. This access to water will help mitigate drought impacts, improve hygiene and health, and enable the community to maintain their pastoralist lifestyle more sustainably.





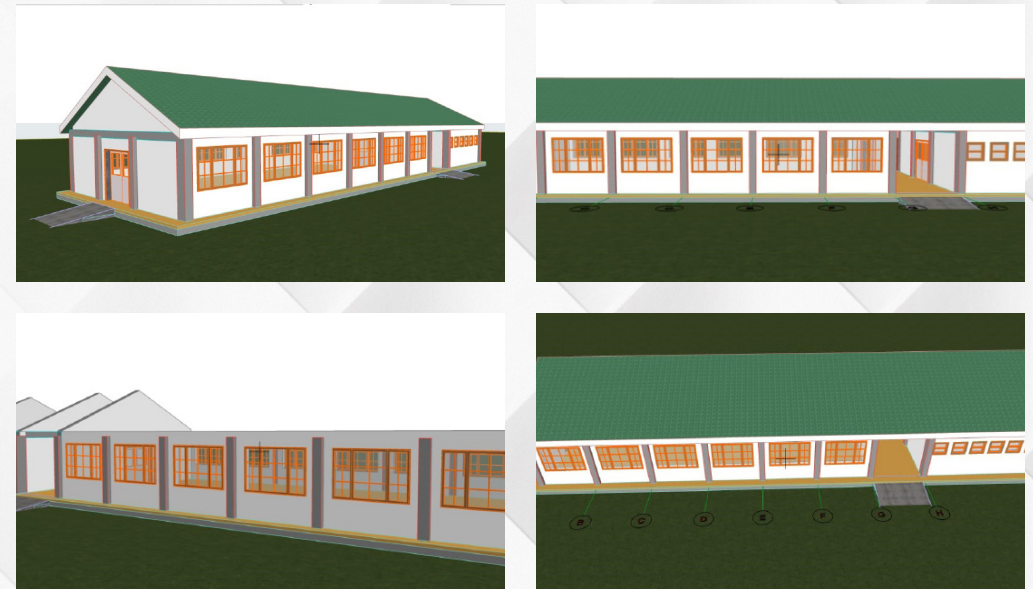
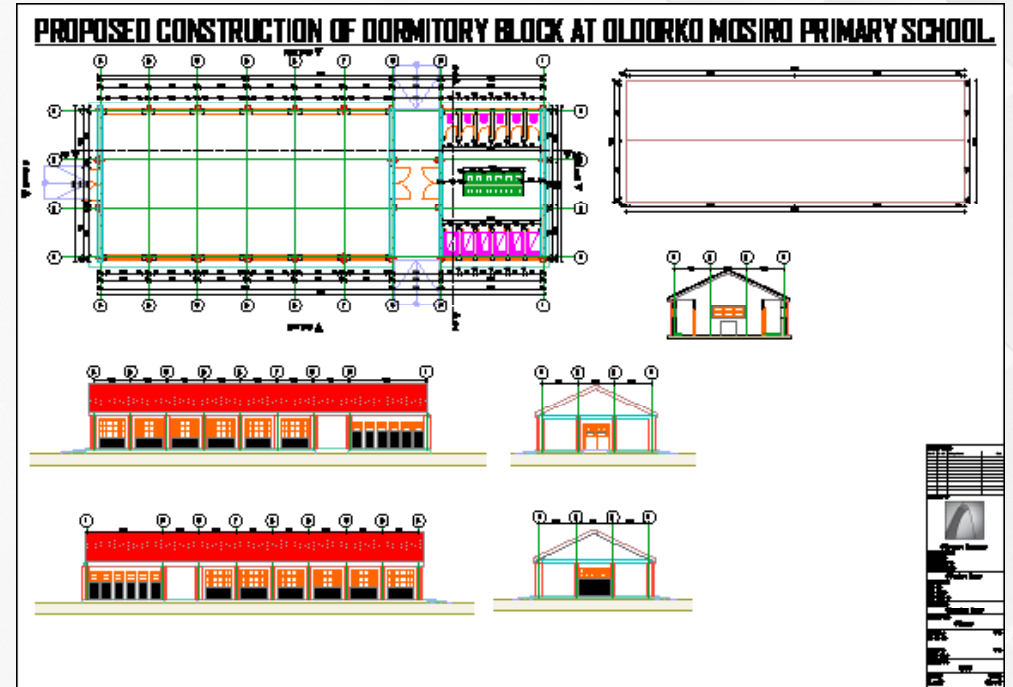
# PROJECTS COMPONENTS

## ii) Dormitory Construction

**Objective:** To provide safe and comfortable accommodation for students, especially those at risk of early marriages and FGM.

**Scope:** The construction includes two dormitories, each with a capacity of 100 students, featuring separate sections for younger and older students. The facilities will include secure sleeping areas, washrooms, study rooms, and basic furniture (beds, mattresses, and storage lockers). A focus on creating a homely environment will support students' mental well-being.

**Impact:** This initiative will offer a safe environment for learning, allowing students to stay at school throughout the term. It will reduce the need for long daily commutes, improve attendance rates, and provide a stable environment for students escaping unsafe conditions at home. Additionally, the dormitories will foster a sense of community and belonging among the students.





## PROJECTS COMPONENTS

### iii) Sustainable Farming Initiative

**Objective:** To establish a farm that can provide a consistent food supply, reducing the school's dependence on external food aid.

**Scope:** The farm will cover approximately 2 acres, with plots allocated for vegetables, grains, and fruits suitable for the region. A greenhouse will be included for high-value crops, while a drip irrigation system will ensure efficient water use. The project will also involve training sessions for students and staff on sustainable farming practices, soil management, and crop rotation.

**Impact:** The farm will secure a year-round supply of nutritious food, contributing to balanced meals for the students. It will reduce the school's food expenses and teach agricultural skills to students, preparing them for opportunities beyond school. The farm will also serve as a model for sustainable agriculture practices within the local community, potentially inspiring other small-scale farming initiatives.

## PROJECTS COMPONENTS

### iv) Library Development

**Objective:** To enhance literacy, improve access to learning resources, and support the overall education quality.

**Scope:** This project involves refurbishing an existing classroom and converting it into a library equipped with reading desks, shelves, and a stock of approximately 1,000 textbooks and storybooks. Additionally, a computer lab will be set up, featuring preloaded educational content and digital learning tools. The lab will be equipped with 10 computers and tablets to ensure that students can access a variety of digital resources.

**Impact:** The library will provide access to a wide range of reading materials that support the school's curriculum and foster a culture of reading. The computer lab will introduce students to digital literacy, bridging the digital divide and enabling them to explore new learning opportunities. With these resources, students will benefit from a more enriched educational experience, improving literacy rates and preparing them for future opportunities in an increasingly digital world.



## EXPECTED OUTCOMES

- Improved living conditions and safety for students, especially vulnerable girls and boys.
- Enhanced access to clean water, benefiting both the school and the surrounding community.
- Greater food security through sustainable farming, reducing the school's reliance on external food aid.
- Improved academic performance and literacy rates through access to a well-equipped library and digital learning resources.



# BUDGET

## i) Borehole Completion & Equipping

Schedule of equipment that will be supplied for the borehole completion and equipping:

EQUIPMENT	QTY
Dayliff DS 8/25 pump cw 4kW 3phase motor	1
Dayliff Sunverter SV3 / 5.5kW	1
Dayliff 350W Crystalline Solar Module	18
Galvanized Ground Mount Structure - 18 Modules	6300
4mm <sup>2</sup> x4 Submersible cable	182
Londex dual core cable	182
4mm <sup>2</sup> x4core underground cable	30
1.5mm <sup>2</sup> x4core underground cable	30
2x6" borehole cover	1
Dayliff 2" standard 3m pipe	59
PVC pipe 25mm D 3m	59
PV Disconnect Switch 1000/16A	1

EQUIPMENT	QTY
PV Protect 1000VDC 125A	1
Enclosure 1000*500*350mm	1
Solar PV Cables 6mm 2core	30
Earthing Accessories & Arrestor	Lot
2" Water meter	1
Installation Sundries	Lot
Sand Cement Ballast	Lot
Borehole Lowering	Lot
Solar Installation & Wiring	Lot

	Unit Cost (Kes.)	VAT (16%)	Total (Kes.)	Total (US\$)
Supply Pump, Controller, Solar Module Structure and Installation	1,234,235/-	145,562/-	1,379,797	9,900



# BUDGET

## ii) Construction of Boys & Girls Dormitories

TITLE	TOTAL (KES)	TOTAL (US\$)
Substructures (All Provisional)	795,000	
Frame	336,100	
Roofing	1,372,470	
External & Internal Walling	574,000	
Doors	208,920	
Windows	164,750	
Finishes	769,500	
Builders' work in connection to services	34,000	
Septic Tank	250,000	
Bathroom Counter Tops	100,000	
Safety Grab Bars	50,000	

School Beds (Double Decker) 150 pcs @ Kshs.14,000 each	2,100,000	
School Mattresses 300 pcs @ Kshs.5,250	1,575,000	
External Works	50,000	
<b>GRAND TOTAL</b>	<b>8,330,640</b>	<b>59,505</b>