

School History

Mashomini Squatters primary school started as an informal outreach program for the numerous street children that were roaming the Kibera slums and their environs in the 1980s. The school was started in 1984 and had their first national examinations candidate class in 1995. During this time, the student population was around one thousand five hundred (1,500.) Recognized and registered as a public school by the Ministry of Education, it actively participates in ministry programs. The school has benefitted from various donor initiatives. It prides itself of good performance in National exams and an increasing number of excellent alumni

MSSIUP

MSSIUP aims to upgrade the learning environment to 400 students in Mashimoni Squatters School in Kibra Informal Settlement through:

- Improvement and construction of sanitation facilities & hygiene awareness among students.
- Increased water supply through installation of a solarized borehole in the school.
- Promoting child safeguarding through provision of hygiene education, mentorship and supply of sanitary packs to pupils, both boys and girls.
- The project involves capacity building of the school management and project entities to promote good governance and sustainability.
- It integrates environmental conservation by implementing a bio-latrine system, wastewater recycling, and a biodigester for biogas generation.



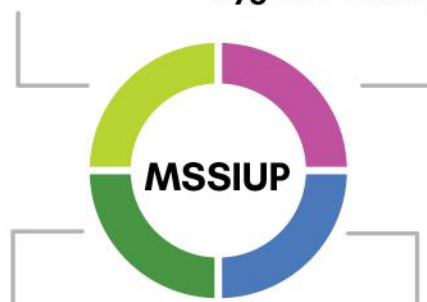
NCT with members of Mashimoni Project Management Team

SECURITY

Installation of a perimeter wall for the Mashimoni Squatters School

SANITATION

Implementation of a bio-latrine system, supply of sanitary pads to students & hygiene education



ENVIRONMENTAL CONSERVATION

Solarized water pump, Biogas production, Automated flushing, Waste water recycling

IMPROVED WATER SUPPLY

Installation of a solarized borehole

Sanitation and Hygiene

At its visionary core lies a state-of-the-art sanitation stronghold featuring innovative toilets and bathrooms. This not only modernizes hygiene practices but ingeniously recycles fecal sludge to produce an impressive 12,000 liters of biogas daily. This biogas, in turn, becomes a sustainable energy source, meeting the daily cooking needs of 400 pupils.

But the brilliance doesn't stop there—the project transforms what would be waste into a valuable resource. The fecal matter from the toilets becomes a source of biogas, closing the loop on sustainable energy. Moreover, the recycled fertigated water isn't wasted; it nurtures a vertical garden that yields an abundant 600kg of fresh vegetables. This transformative project does not just address immediate needs but builds a resilient and sustainable community for generations to come



Recycled nutrient rich water utilized for school kitchen garden



Handwashing section under construction



New toilets constructed



Biogas digester



Water reticulation system to recycle waste water



Fire produced by the biogas

Menstrual Management Training

The project has incorporated hygiene and menstrual management training in order to attain optimum impacts from the water supply and sanitation investments. It is also a part of a process to enhance learning and assure all rounded learners through inculcation of life skills



Water Supply

The Mashimoni Sanitation Project is an extraordinary testament to sustainability, seamlessly weaving together innovation and community empowerment. Anchored by a solarized borehole delivering a substantial 40,000L daily, it acts as a lifeline, providing vital water to both the school and 300 households, all at an affordable rate.



Mashimoni bore drilling in progress



Water tower to ease distribution



Boreholes solarized to reduce operational costs



NCT director, projects officer and children enjoying running water

Project Sustainability

To ensure sustainability, we involved the school management in a strategic planning process to enable them articulate a vision and plan for the future. It was also a process of getting them to consolidate available resources and allocate them efficiently and discern the gaps. We organized a corporate governance training including a business management, operations and maintenance course to augment the physical infrastructures installed.



Perimeter Wall

The installation of a perimeter wall around the school targets to enhance security and safeguard the school pupils and property. Specifically the wall averts the pupils' exposure to drugs and illegal substances that infiltrated the school through the temporary fence the school and 300 households, all at an affordable rate.



Before



After



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MASHIMONI SQUATTERS SCHOOL INTEGRATED UPGRADE PROJECT (MSSIUP)

