COTTON MADE IN AFRICA

Final Report

CmiA Community Cooperation Programme

MMP Agro, 2024

Hamburg, June 2024

The CmiA Community Cooperation Programme supports the cotton farming communities beyond sustainable cotton cultivation

- Supporting projects for **CmiA cotton growing communities.**
- Developed by verified local CmiA partners based on a **demand analysis from the communities**.
- Project areas: **Education, Health, and Gender equality**.
- CmiA partner brands can become community project **funding partners**.

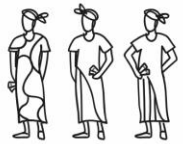
GENDER

HEALTH

EDUCATION

Our CmiA Community Projects in figures

With the CmiA Community Cooperation Programme, the initiative is working together with local cotton companies and textile companies to improve living conditions beyond sustainable cotton cultivation in the areas of health, education, women's empowerment, environment and nature conservation. The following projects were implemented by 2023:



90 + 6

Women Clubs and Women Projects

Wells

6

Health Stations

67

Canteens

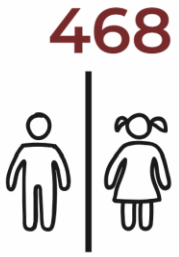
Dormitories for girls

124

Classrooms

53

School gardens



Latrines

Bio Sand Water Filters

MMP Agro, Uganda

Budget:
Total project costs: 22,229 EUR
Funding amount: 17,100 EUR
Applicant contribution: 5,129 EUR

Project period:
10/2023 – 05/2024

Beneficiaries:
1,000 women and their households

Background information

During the demand analysis by MMP Agro, the communities emphasized the shortage of clean drinking water as a major problem. The water from nearby sources needed to be boiled before it can be consumed, but firewood and charcoal were not always available. In addition, the need for firewood decimated the local forests.

Project Outputs

- Construction and distribution of **1,000 bio sand water filters** to cotton growing households: a bio sand filter is a constructed frame that is moulded and filled with layers of sand and gravel that slowly purifies water. It is made out of locally available materials, and its usage is free of any risks / dangers to the users and the environment.
- Training of community members on use of the water filters, conducted by local consultants with expertise in bio sand water filter technology.

The project has significantly improved access to safe drinking water in the target communities. Initial feedback indicates a reduction in waterborne diseases and improved quality of life. Community members report increased agricultural productivity and better overall health, attributing these improvements to the availability of clean water.

Water Quality Testing

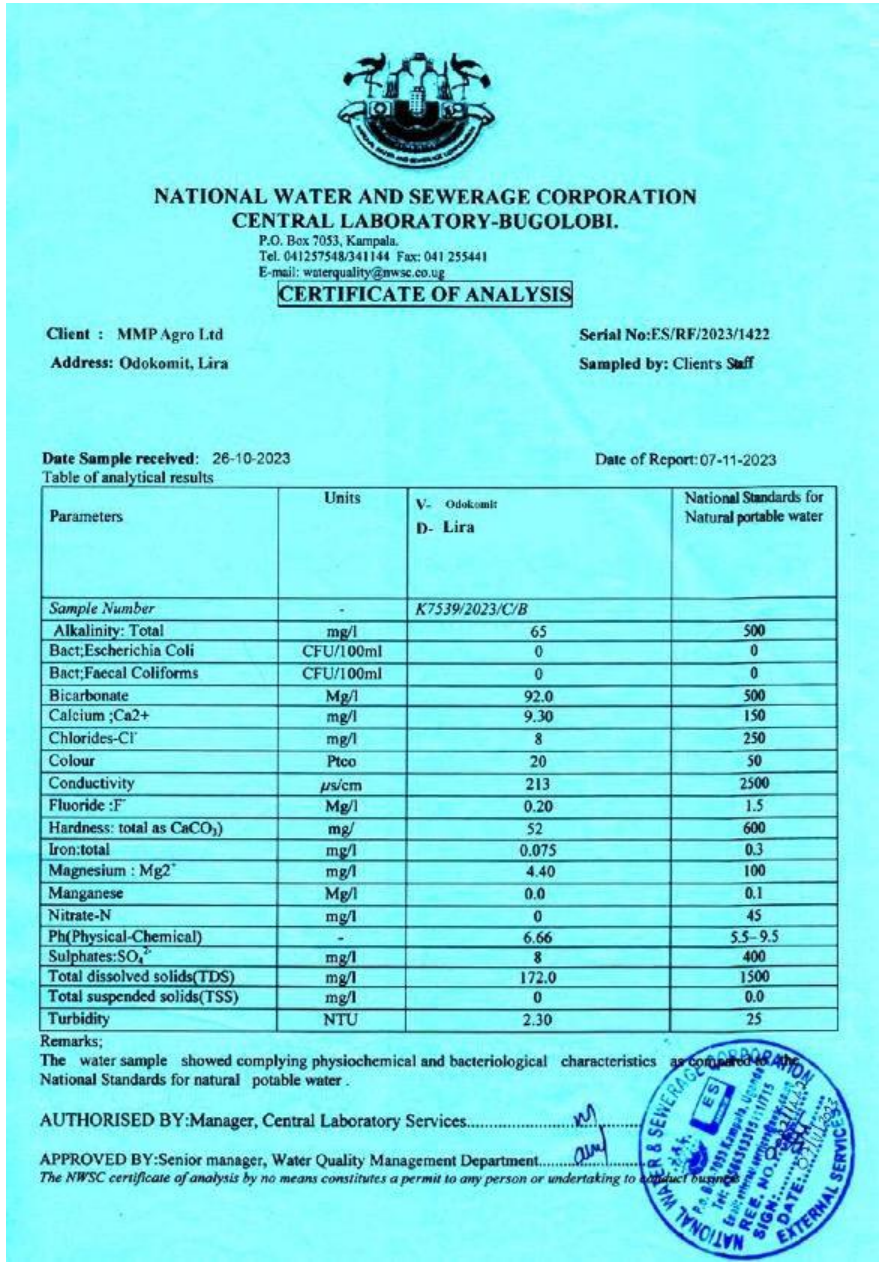
Comprehensive testing on various water samples before and after filtration with bio sand filters was conducted to assess the effectiveness of the filters.

Pre-filtration Water Quality:

High levels of bacterial contamination, including E. coli and other pathogens, were found. Presence of turbidity and suspended particles, making the water unsafe for consumption.

Post-filtration Water Quality:

Significant reduction in bacterial contamination. E. coli and other pathogens were reduced to safe levels. Improved turbidity levels, with water becoming clear and free of suspended particles. Overall, the filtered water met health and safety standards, making it safe for drinking and other household uses. These results underscore the Bio-sand filters' effectiveness in transforming unsafe water into a safe, reliable source of drinking water.



NATIONAL WATER AND SEWERAGE CORPORATION
CENTRAL LABORATORY-BUGOLOBI.

P.O. Box 7053, Kampala.
Tel. 041257548/341144 Fax: 041 255441
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CERTIFICATE OF ANALYSIS

Client : MMP Agro Ltd
Address: Odokomit, Lira

Serial No:ES/RF/2023/1422
Sampled by: Client's Staff

Date Sample received: 26-10-2023
Table of analytical results

Date of Report: 07-11-2023

Parameters	Units	V- Odokomit D- Lira	National Standards for Natural portable water
Sample Number	-	*K7539/2023/C/B*	
Alkalinity: Total	mg/l	65	500
Bact;Escherichia Coli	CFU/100ml	0	0
Bact;Faecal Coliforms	CFU/100ml	0	0
Bicarbonate	Mg/l	92.0	500
Calcium ;Ca2+	mg/l	9.30	150
Chlorides-Cl^-	mg/l	8	250
Colour	Ptco	20	50
Conductivity	µs/cm	213	2500
Fluoride :F^-	Mg/l	0.20	1.5
Hardness: total as $CaCO_3$)	mg/	52	600
Iron:total	mg/l	0.075	0.3
Magnesium : $Mg2^+$	mg/l	4.40	100
Manganese	Mg/l	0.0	0.1
Nitrate-N	mg/l	0	45
Ph(Physical-Chemical)	-	6.66	5.5–9.5
Sulphates:SO_4^{2-}	mg/l	8	400
Total dissolved solids(TDS)	mg/l	172.0	1500
Total suspended solids(TSS)	mg/l	0	0.0
Turbidity	NTU	2.30	25

Remarks;
The water sample showed complying physiochemical and bacteriological characteristics as compared to the National Standards for natural potable water .

AUTHORISED BY:Manager, Central Laboratory Services.....

APPROVED BY:Senior manager, Water Quality Management Department.....

The NWSC certificate of analysis by no means constitutes a permit to any person or undertaking to conduct business

Impressions

Distribution of water filters

Water filters with logos

MMP Agro staff explaining how to use the water filters

Beneficiaries individual feedback

‘I and my family household members have found the bio sand filters straightforward and user-friendly.’
Susan, a farmer from Agoga village, Adekinino parish.

‘The simple design and easy operation mean that even individuals with no technical background like me can use the filters effectively.’
Mrs Ebitu, a farmer from Otondgel Village, Angwenya parish.

‘Families like my household have quickly adapted to using the filters as part of their daily routine, finding it effortless to integrate the process into their household activities,.’
Judith, a farmer from Otalabar village, Koya Parish.

Farmers collecting and transporting the filters to their homesteads.

AID BY TRADE FOUNDATION

The Aid by Trade Foundation (AbTF) was founded in 2005 by Prof. Dr Michael Otto, an entrepreneur from Hamburg, Germany. The aim of the foundation, which operates independently of the Otto Group, is to help people to help themselves through trade, thereby preserving vital natural resources and securing the livelihoods of future generations.
Cotton made in Africa® is an internationally recognised standard for sustainably produced cotton from Africa, connecting African small-scale farmers with trading companies and fashion brands throughout the global textile value chain. The initiative's objective is to employ trade rather than donations to offer help for self-help in order to improve the living conditions of around one million cotton farmers and their families in Africa south of the Sahara while protecting the environment. The small-scale farmers benefit from training and better working conditions, and additional social projects enable their children to attend school. Female small-scale farmers are supported in pursuing professional and social independence.

CONTACT
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