



## 2024 ANNUAL PROJECT REPORT

# Tanzania: Safe drinking water for everyone

Lower Moshi located in the Kilimanjaro region of Tanzania has a population of about 18,000 people. This rural area is one characterised by many families who live below the poverty line, with an average adult not completing primary education and are mainly farmers. The vision for Lower Moshi has been a flourishing community void of poverty and despair: where everyone has access to basic health care, education and opportunities to be productive and earn a livelihood for themselves and their families, through a self-sustaining and environmentally sustainable manner.

With this vision in mind, the clean water project set out to facilitate access to safe drinking water to improve the livelihood in Kiruani, Londoto, Msitu wa Tembo, Mikocheni and Mawala villages. The project is supplying 50 BAR 1 water filter systems, 10 solar pumps, 15 hip pumps, setting up a service hub and providing trainings to the people of Lower Moshi region.

Through elected community representatives of the villages the BAR water filters in 2024 were distributed as follows: 5 of them went to selected institutions (schools, clinics and waterpoints in the villages), 4 BAR + Solar pumps went to selected Village Community Bank (VICOBA) groups and the 6 BAR +Hip pump went to selected farmer families. Due to the delay in production and shipment of the BARS, the remaining 35 will be distributed and installed in March 2025.

### Impact & Achievements



50 BAR water filter systems supplied, of which 15 already distributed across schools, clinics, VICOBA groups, and farmer families.



600 liters of clean water filtered per hour per unit, significantly reducing cases of diarrhea, cholera, and other waterborne illnesses.



Reduction of heavy metal intake, including fluoride, decreasing cases of dental fluorosis.



10 solar pumps and 15 hip pumps installed, improving irrigation and food security for farming families.



Set-up of a community service hub for maintenance, repairs, and spare parts.



Local ownership ensured through training in leadership, transparency, and community development.

## Benefits

The introduction of the BAR water filter systems has already started to transform life in Lower Moshi. In schools, clinics, and village centers, children and families now have access to a steady flow of safe drinking water—each filter producing up to 600 liters per hour. As a result, communities are seeing a decline in common waterborne diseases like cholera and diarrhea, which have long threatened their health and well-being. For local farmers, the impact extends beyond clean water. With solar and hip pumps now in place, they are able to irrigate their fields more efficiently and use clean water in food production. This has not only strengthened food security but also created new opportunities to generate income. Another hidden but powerful benefit lies in the reduced intake of harmful substances. The filters help eliminate excess fluoride from the water, lowering the risk of dental fluorosis—a condition that previously affected many in the region due to contaminated groundwater.



Explanation of the BAR Waterpump

## Sustainability, community empowerment and participation

To ensure local ownership, sustainability and empowerment of the local people, the project implementing partner FTK set out various strategies with the community members. Amongst these are the trainings about community development, leadership and transparency, the setting up of a community-based service hub and training of local staff in charge of maintenance [ABI] and repair. The service hub will also be equipped with spare parts for repair and maintenance.

Another self-sustaining practice of the project is the income generated from the sale of water to fund repairs and maintenance. For instance, the VOCOBA group owns the system and the group members pay a fee for using it for both drinking water and irrigation, the farmer families also use the Hip-pump for irrigation to grow crops and raise extra income for repairs and maintenance.



A proud community



[Watch the video](#)

## Join us in expanding impact

The transformation in Lower Moshi has only just begun. As families gain access to clean water and farmers build more secure livelihoods, the demand for safe water solutions continues to grow. With your support, we can accelerate the distribution of the remaining 35 BAR filter systems, strengthen community infrastructure, and reach even more vulnerable households. By investing in clean water, you are not only protecting health—you are empowering communities to thrive. Join us in expanding this life-changing impact.



Community training

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