



Project Description Placing hand water pumps

AimOfTheProject Getting clean and reliable drinking water is one of the challenges of daily live. especially during dry season sources can dry out or be far away. Hand pumps are capable to provide clean drinking water during the year.

StartDate 01/01/2009 Status Active

StatusRemarks only one pump has to be repaired waiting for spareparts

Concerns Evaluation maintenance Reference: Herman

Situation During 2009..2019 11 Fairwater blue pumps were placed and one governmental Indian yellow pumps was repaired.
The community is still heavily dependant on pumps for fresh drinking water After 10 years the various pumps needed a renovation. Repairs have not be done for some time since the users did not plant trees around the pumps as agreed. A mechanic from Dar es Salaam is invited to repair the pumps and to educate a local mechanic to do the repairs in the future. The maintenance is made possible by a donation of the Lukas Spering Foundation in Germany.

ExecutiveSummary 11 pumps are repaired and for every pump an agreement is made with a pump manager at every place. The idea is the manager is collecting money and is saving money for future repairs. Since the managers income is dependent of the well functioning of the pump this will be more sustainable.

ObjectivesEvaluation The maintenance is a good step forwards to make the project more sustainable for the coming years.

Findings **Kerenge** The pump is inspected and was running well.
Tema The pump is inspected and was running well.
Kichilui broken Water supply or fallen piston repaired and running well.
Mbwai The pump is inspected and was running well.
Mambo-Ziwai Broken. Bore hole is cleaned and the pump is replaced.
Kidundai Broken Piston fallen down; repaired and running
Nkukai Broken Piston fallen down; repaired and running
Kibaoni The pump is inspected and was running well.
Masange The pump is inspected and was running well.
Madala The pump isheavily abused and broken; new spare parts are ordered in The Netherlands
Masereka broken Piston fallen down; repaired and running
Kwemziagembe Pump was blocked by sand and repaired.

Sources Field visits and repairs to all pumps

Impact An estimated 1650 people will have benefit from the pumps by having access to clean drinking water. Depending on the prices and availability of other sources the number of users will increase or reduce during the season.

Challenges Once the pump managers are not taking care the functioning of the pumps can be affected. Also the payment has to be balanced and can be cheaper than the commercial ones from the pipelines. However if it is still too much poor people can decide to take water from open sources instead. The pump managers are



instructed to think of the poor and to make special arrangements for them. Farmers are still ignorant and are contaminating the water wells by using pesticides in an irresponsible way. This is hard to fight due to low education and promotion to use hybrid seeds and pesticides from seed companies.

FuturePlans From now on the system has to be sustainable since the pump managers are collecting money, which partly can be used for maintenance. There is a local mechanic to do the repairs and the pump managers have resources to pay the maintenance.
With every pump seedlings will be given to plant around the pumps. This will be under the reforestation program.

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Recommandations To check on regularly base the status of the pump and the organisation around each pump.

