



Mboni ya Vijana
Group (MVG)

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ROPE HAND PUMP PRODUCTION TRAINING SUMMARY REPORT

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ABSTRACT

Mboni ya Vijana Group (MVG), has run its youth training on Rope Hand Pump production, the simple technology which will enable access to water with low cost to rural areas. The training run throughout four weeks (a month) targeting youth in Zeze Community. The target was to equip 16 young people (male and female) and 12 of the goal reached. The stages passed during the training were welding training, rope pump building training, hand drilling, and construction of the water structures. Mboni ya Vijana Group (MVG) did invite its partner to participate the training whereby Kawie Social Development Foundation (KASODEFO) participated while Amenity Charity Organization did not participate. MVG was not going to achieve and adopt Rope Hand Pump production until Southern Highlands Participatory Organization (SHIPO) agreed to equip MVG with this technology. Plausible Funds from Global Giving UK, has managed MVG and its community to benefit with Rope Hand Pump Production Technology. The success of this technology to MVG is therefore regarded to as the water problem solution and success of the entire community in Kigoma region and outside the Kigoma region.

ACTIVITIES IMPLEMENTATION

Welding training

MVG sent two youth for welding training in Kasulu town where they trained on welding including identification of what types of iron and how they are fixed. Welding training took place in Aman's Welding Workshop in Kasulu where the trainees were well equipped for 10 days. The pictures below shows youth in the training action as it was practical based training.



Plate 1: Mashaka and Adrophina (MVG youth) in welding training practical.

Procurement and Pump manufacturing

The training involved a week of rope hand pump manufacturing training following the purchase of the required equipments. Mr. James Marekano from SHIPO facilitated the sessions for one week and MVG members and Marius from KASODEFO participated. The pictures below show the participants in action.



Plate 2: MVG youth building rope hand pump at Aman's Workshop in Kasulu – Tanzania.

Site Selection Criteria

Mr. Laban Kaduma from SHIPO trained MVG members on the procedures for selecting the site, which is suitable for water drilling. MVG and other participants learned how to predict for water site and decide for action.



Plate 3: MVG youth listening and following drilling instruction from the trainer at Zeze MVG's site.

Drilling

Participants trained on drilling in practical after they have entitles with equipment required for drilling. Practical based activity took a week to finish following the hard rock encountered under earth constituting 3M depth. Pictures below are the participant and the trainer in action.



Plate 4: MVG team and the trainer in stages of drilling the water holes.

Construction of water gutter Structure

After the drill and water reach at almost 13M deep, the next step was to fix the pipes and the pump attachment to the borehole including conquering the water point. With this action, went hand in hand with pump and water pumping test, which was highly successful. The pictures show the processes involved.



Plate 5: MVG in Processes and steps of well structures and gutter construction after reaching the water

Equipment Use and Care Training

At finally, the trainer equipped the team how to use the equipment including water filter, jigs, and other. He also trained how to keep equipment safety while encouraging MVG to develop this technology for the best of the community. The pictures evidencing the action.

Closure of the Training

The training closed on 22nd after everything has finished. Benedicto, the chairperson of MVG made a speech to the participant with thanking note to the trainer and SHIPO at large for spare MVG team with such technology. The participant shared their experiences from the training and all what discussed and practiced though the training days.



Plate 6: Benedicto giving a speech following completion of the training and hand pump installation on 22nd March 2016.

SUCCESS

- Having various skills for welding, rope hand pump production, drilling, etc,
- Securing of drilling and rope pump building equipment,
- Successes to construct one water well and attaching the rope hand pump to it (now functioning),
- Completion without injuries nor sickness,
- A well-equipped youth community that will help other communities to access water services.



Plate 7: MVG members and the trainer enjoying the achievement of a complete water well attached with rope hand pump in Zeze on 22nd March 2016

CHALLENGES

- Lack of welding and fabrication workshop,
- Deviation of the budget plan as more costs encored,
- Despairing of some of the participants following hardness of the rock we encountered,
- Lack of more fund to construct more rope hand pumps for the community.
- Time used was short compared to the needs for the training requirements.

WAYS FORWARD

- To establish the workshop in Zeze,
- Looking for communities needs water and contracting with them for rope hand pump production,
- Fundraise for community support and for welding workshop establishment.

APPRECIATIONS

Many thanks to Janet Chapman for her efforts to reach us here, Global givi ng, My Donations for funding this project, SHIPO for train MVG and supply equipment and all other who have participated in the accomplishment of this great event at Zeze village especially in MVG.

