



# Rope Pump News Letter

Issue No. 2 July 31, 2013

*- Better Life With Rope Pump -*

The Project for Rural Water Supply, Sanitation and Livelihood Improvement through Dissemination of Rope Pumps (RPs) for Drinking Water  
**(WAS-RoPSS)**

## Words from our State Minister

“Rope Pump is an appropriate technology for water supply in Ethiopia, particularly where there is shallow groundwater potential.” H.E Ato Kebede Gerba (State Minister, Ministry of Water and Energy) expressed in the interview with our News Letter. He continued that RPs are useful in scattered type of settlement and difficulty to address the water supply need with complex water supply systems due to lack of infrastructures like road. Its manageability at a village community level in addition to its being low cost makes Rope Pump a good alternative water supply system in rural areas. As it does not need big financial and implementation capacity, the role of this cost effective, simple and affordable technology will be high. to achieve our Growth and Transformation Program (GTP) and Universal Access Plan (UAP). Its role will not be limited to contribution to

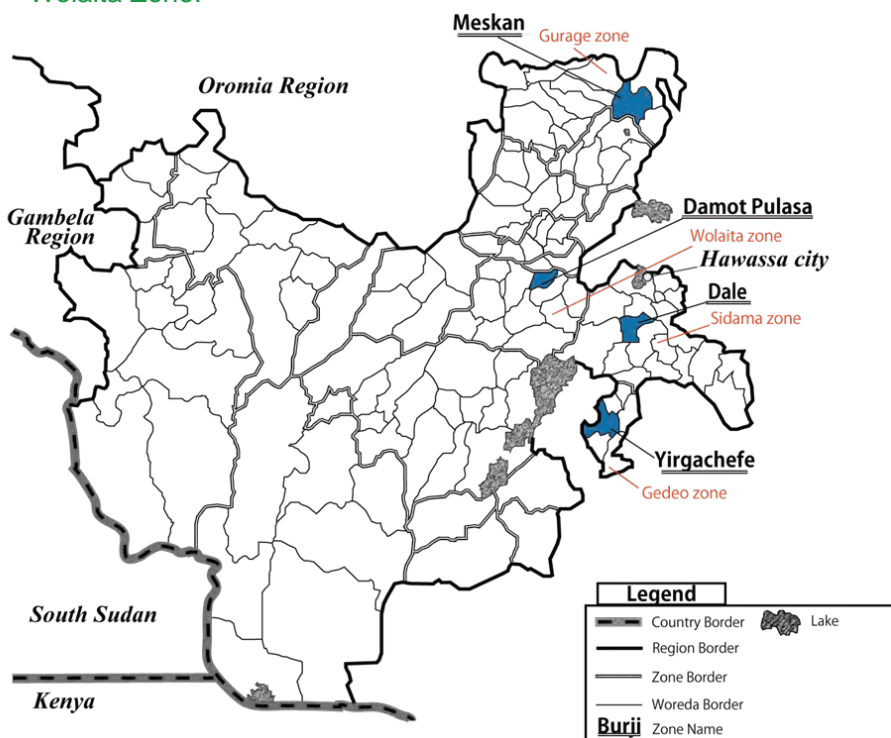
tribution to WaSH but also supports in our food security efforts too. The State Minister added, Improving and Standardization of Rope Pump technology are very important, but should not be the end target. Dissemination of the same should also follow quickly as we are left with only 2 years of the GTP time set.”



H.E. Ato Kebede Gerba  
State Minister,  
Ministry of Water and Energy

## 4 Woredas as Project Target Selected!

With a study and consultation with stakeholders on groundwater potential and socio-economical aspects of woredas in SNNPR, 4 woredas were selected, namely, Dale in Sidama Zone, Yirgachefe in Gedeo Zone, Meskan in Gurage Zone and Damot Pulasa in Wolaita Zone.



## Rope Pump & Project Image for Promotion

The following items are created for the promotion of the Project!

**Logo**



### Short Message

Better Life with Rope Pump  
የተሻለ ኑሮ በገመድ ፓምፕ

### Project Nick Name

WAS-RoPSS  
ወ.ሃን በጥረቱ

## RP Users' Survey in Three Regions; - conducted from 29 April to 27 June, 2013 -

Project Team conducted the RP Users' Survey to find out what kind of improvement is necessary for the existing RP models to suit better for users' needs and to examine the technology of RP manufacturers.

The Team found out several points for technical/design improvements, such as: outlet should fit to jerry can mouth, appropriate height of the RPs, provision of back pipes, proper material selection of RP parts (rope, piston, bearing/bushing, bolts and nuts, pipes and fittings) which need to be durable and available. Some manufacturing failures, such as the problems in alignment, poor welding and positioning of the assembling parts were found. In addition, the Team has observed different problems related to well and well head contributing to non-functionality of many RP schemes. These include: improper design and construction of well head, well collapsing in some areas due to soil formation and fluctuation of water level in the well.

It was also disclosed that the mal-functioning and/or breakdown of the RPs are often caused by the failure in improper installation and lack of regular maintenance; for instance, the rope has to be installed with a proper tightness (it should not be too tight and not too loose!) to avoid the friction at the guide box.

Woreda officers and users said "Rope Pump is good because of its easy operation and easy maintenance". However, the survey re-



vealed that the maintenance was not properly done in most of the RPs mainly due to lack of capacity at the users level, lack of tools kit and unavailability of spare parts in nearby markets.

Some issues related to



drinking water quality were revealed. Several users responded "We are concerning about water quality. We don't use this RP water for drinking purpose because it is used for irrigation". Project Team understands that the users have high consciousness to safe water. However, when the Team checked the water quality at the RP water point and the water in container in the house (for drinking), the water quality was often worse in the container in the house.

It is commonly said that "Afridev pump is better than RP so it is better to use Afridev pump for drinking purpose". However, Project Team found that it may not be always so. From this experience, Project Team came to think that further investigation is necessary to look at the risk of drinking water contamination between water point and water consumption point.

From this survey, it became clearer on how the Project should approach to succeed in dissemination of RPs for drinking water.

### Activities done in June & July

- June – Test well digging for well improvement test
- June – Project target area selection and discussion with WRB in SNNPR
- July
- July – 2nd JCC meeting
- July – 2nd Steering committee meeting
- July – RP Improvement; Collection of RP models, visit plastic factory, Meeting RP Manufacturers, Produce Trial RP

### Coming up in Aug. & Sep.

- RP Improvement; visit plastic factory, Meeting Manufacturers, Produce Trial RP
- Project Progress Report 1
- Project Introduction Leaflet
- Project Website Development
- Preparation for Baseline Survey



Interviewing a women who came back from fetching water



Interview with Manufacturer

If you have any comments, questions, suggestions, please contact us at;

JICA Rope Pump Project

● Room # 016, Ministry of Water and Energy

● Tel: +251 - (O)11-651-1455/(O)11 -618-5023

● Mob: +251 - (O)935-353210/11

Webiste

【MoWE】 <http://www.mowr.gov.et/>

【JICA】 <http://www.jica.go.jp/ethiopia/english/office/index.html>

【EWTEC】 <http://www.ewtec.org.et/>

E-mail : [jica.ropepump.ethiopia@gmail.com](mailto:jica.ropepump.ethiopia@gmail.com)