



# Rope Pump News Letter

Issue No. 3 September 30, 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)**

### Opinion of WSS Director

“WAS-RoPSS project is very important this time while the Ministry of Water and Energy is at the verge of implementing One WaSH for one plan, one budget and one report.” Ato Yohannes Ghebremedhen, Director of Water Supply and Sanitation Directorate mentioned in his interview. The project will play a vital role to achieve the ambitious Growth and Transformation plan (GTP) target which is left only with two-year time. “It is one of the main tools to mobilize the mass to invest in their own water supply for domestic and productive uses recognizing self-supply is one of the government strategies to address the demand of water supply particularly in rural part of the country. As rope pump technology is considered to be one of the main water lifting devices in self-supply for household or for small group, the contribution of the WASRoPSS Project (which is working on improvement and standardisation of RP) in enhancing the im-

plementation of WaSH will be unquestionably high. ”

At Yohannes also added that the project helps provision of water within or in a close distance to the user's compound. The beneficiaries can use the water for multipurposes so that resources will be effectively and efficiently utilized. He indicated that the project is well progressing in line with its schedule and recommended to continue in the same pace or even faster if possible. He appreciated the support of JICA for its contribution to the Ethiopian national effort to address the people's demand for water supply and sanitation. Finally, he forwarded his message to all the stakeholders to stand by WASRoPSS in order to maximize and speed up the output of the project.



Ato Yohannes Ghebremedhen  
Director of Water Supply  
And Sanitation Directorate

### RP Introduction Workshop at Hawassa TVET

The RP introduction workshop held at Hawassa TVET on August 1, 2013 was mainly focused on the national and international experience sharing on RP technology, different household level water treatment options and improvement of traditional wells (deepening and/or lining techniques) and well head structures. Meanwhile, the Project Team presented the basic approaches, strategies and the expected outputs of WAS-RoPSS Project. General concepts of self-supply, water ladder in the self-supply and scale-up strategies were also briefly introduced to the participants.

The results of Users' Survey carried out in three regions (Amhara, SNNP and Oromia) were also presented by the Project Team and thorough discussions were held.

The discussions emphasized particularly on the sustainability of the RP schemes in relation to manufacturing, installation, and maintenance

problems, whereas lack of proper monitoring systems was also focused. A separate discussion was held among RP manufactures from Addis Ababa and SNNP Region on the issues related to RP, such as quality, price, training and certification of manufacturers, demand creation, supply chain and need of establishing a RP manufacturers' association. The participants of this session came to a consensus that RP standardization is important to upkeep the quality standard and the reasonable prices of the products. These events provided a good opportunity for the stakeholders to openly discuss the important issues related to RP technology and self supply.





## RP Improvement Activities going on

The RP improvement activities were started in June 2013. The works began with collecting the existing five different RP models from different organisations. Based on the investigation of these models, and the results of the RP User's Survey in Amhara Region, SNNP Region in May by the Project Team, points of improvement were identified. In order to get additional inputs on the existing RP technology in Ethiopia, three workshops were organized (two in Addis Ababa and one in Hawassa) with different stakeholders from private sector (RP and its parts manufacturers and/or suppliers) and government sector (SNNP Water Bureau, TVET Hawassa, EWTI, CoWaSH-MoWE and Ministry of Water and Energy) and nongovernmental organisations (World Vision and International Rescue Committee). The workshops were successful not only for having inputs from the stakeholders but also for experience sharing, particularly that of Mr. Henk Holtslag, the international RP specialist on RP technology and low cost household level water treatment options.

After these workshops, four new models of RPs were developed in view of providing different technical and price options to the end users of RP as well as considering the water ladder in self-supply.

These models are: Model-1 (High Quality Model with fully sealed ball bearing), Model-2 (High Quality Model with bushing), Model-3 (Economic Model with basic function but without wheel cover, no bolt and no nut), and Model-4 (Windlass Model with wooden pole pump structure) and the prototypes of these models are installed at Ethiopian Water Technology Institute (EWTI) in Addis Ababa. Currently, the replications of the models are under progress and to be tested at field level.



The minimum standards for major parts (wheel, wheel cover, handle, pump structures, pipes and fittings of RP were also proposed and discussed over) which will be further discussed at the higher level for standardisation. It is also to be noted that in parallel to RP improvement works, improvement of the well head, well cover, drainage and soak away pit have been tried out. Furthermore, as one of the issues of the standardisation is the material quality and availability, about 15 factories (of ropes, uPVC pipe and RP pistons) were visited. The RP standardisation needs to be done based on the inventory of the available parts and materials.

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Technical session at Hawassa

### Activities done in Aug. & Sep.

- Aug. – RP Improvement and Standardization Workshop
- Aug. – Self Supply Working Group Meeting
- Aug. – WaSH Emergency Coordination Meeting
- Aug. – RP Improvement: Visit plastic factories, Produce Trial RP
- Sep. – Training on Self Supply Acceleration Programme organized by IRC

### Coming up in Oct. & Nov.

- Regional Self Supply Planning Workshop
- Site Selection from the 4 target woredas
- PR Standardization Meeting No.1
- Project Website Development
- Preparation and Conduction of Baseline Survey



Model-2



Model-4

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

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