

Self Supply News

Self Supply News is a bi-monthly newsletter issued by Self Supply Working Group (SSWG) of Ethiopia, which is a forum of government institutions and development partners. JICA WAS-RoPSS Project is currently taking lead to compile this newsletter.



Opinion of Village Technicians

“Self-supply is what everybody has to taste” mentioned by Ato Mohammed Shafo, one of JICA/WAS-RoPSS trained Village Technician in Yetabon Kebele of Meskan Woreda. Ato Mohammed being one of the test rope pump users and a village technician has witnessed that Self-supply scheme has many advantages that every rural dweller has to taste. He used to say, “Before tasting, nobody can talk how much honey is delicious. Self-supply is like that, before I started to use the rope pump, I didn’t expect these all benefits which I am enjoying now. Rather, I was worrying about the price of having the Rope pump scheme. Its proximity to my family made it very easy to fetch water at any time we need. Reduction of water lifting load, easiness for operation, avoiding of risks for my children and livestock (from falling into the well), protection from flood and any dirt are among the advantages of installing rope pump on hand-dug wells. Due to the protection of the well with wellhead construction, the water quality is now by far better than before the installation of the rope pump. The easiness for operation made it feasible for multi-



The village technicians in Meskan Woreda

ple use purpose such as: for agriculture in the garden, livestock watering in addition to the domestic uses”.

Ato Mohammed has also mentioned his ambition that “as a village technician, I don’t want to see any rope pump not functional in my village.”

Finally, the village technician has forwarded his gratitude for JICA/WAS-RoPSS Project for introducing the Self-supply schemes (i.e. dissemination of rope pump, awareness creation on water quality, hygiene and sanitation issues and making linkage with different household water treatment and safe storage suppliers).

News from WAS-RoPSS

RP installation training

The Project has given the trainings on how to install rope pump and how to do the maintenance. This training was given to target woreda, WRB workers, target kebeles village technicians, the different zone TVET instructors and different private sectors workers. By this time the project have trained 40 peoples who can make rope pump installation and maintenance.

During the last installation training held in Dale Woreda in December, one introductory session was held to acknowledge village technicians to the community at the market place. This attempt worked well for community to know who they should contact for rope pump.

Ato Samuel, the head of WRB-SNNPR, visited the training. He encouraged the village technicians by informing “WRB have procured 10,000 rope pumps to be installed”.

The village technicians will be very busy!!!



At the market place, kebele Chairman introduced village technicians in the area



About WAS-RoPSS

The Project is aiming at contributing to improvement of water supply, sanitation and rural livelihoods through dissemination of rope pumps for drinking water in the 4 target woredas in SNNPR, Meskan, Damot Pulasa, Dale and Yirgachefe.



Safe Water Chain Training

Trainings on Safe Water Chain (2-days training for 2 groups) were held consecutively from December 29 to January 2nd at Kefle Selam Hotel, Hawassa. The facilitators were from Tabor consultants, SNNPR Health Bureau, Water Resource Bureau JOCV, WAS-RoPSS staffs, and participants were from Woreda health offices, Health Extension Workers (HEWs) and health promoters in the project target areas(*). The objectives were to understand definitions of safe water, mechanism of contamination of fecal and waste, pathogenic bacteria, hand wash

method, house hold water treatment, palpable water quality test using 3M Petrifilm for E.Coli(Fecal bacteria) and so on.

Through the training, the participants analyzed actual situations and challenges that they are facing for each area and planned activities to tackle their issues.

Mr. Takashi Nedachi (right bottom) is a member of Japan Overseas Cooperation Volunteer assigned at Water Quality Lab Section in WRB-SNNPR. He is specialized in Industrial chemistry and microbiology.



Dasalegn from Regional Health Bureau explained about safe water chain and household water treatment



Group work for planning actions immediately after training was done.



Takashi, the Water Quality JOCV, explained about "3M Petri-film", which is a simple water quality test kit, to HEWs.

Safe Water Chain awareness creation sessions everywhere!

The trainees from "Safe Water Chain Training" have been conducting awareness creation sessions according to the action plan they made during the training.

On 14 January 2015, at a secondary school in Bera Tedicho Kebele in Dale Woreda, during the break time between the classes, around 460 students gathered and listened to the session enthusiastically.

On 19 January 2015, at Yetabon Health Post in Meskan Woreda, around 300 men, women and children gathered. Some participants were interested in purchasing water filter.

On 21 and 22 January 2015, in 2 kebeles in Damot Pulasa Woreda, the Lera Health Center staff con-

ducted education sessions for their community.

In February, Lebenu and Takashi from WRB led the training participants to conduct water quality test to bring people's attention to the risk that they are facing from their well, using 3M petrifilm. This palpable and easily handled test kit was found effective in showing people the bacteria and stimulating them to treat water before drinking.

In every session, the health personnels talked about why we need clean water and how to treat water at home. They also demonstrated household water treatment tools, such as ceramic filters and water purification chemicals



Addisu from Dale Woreda Health Office conducted a session on safe water chain for Bera Tedicho High School students



Tigist, Gedema, Gennemo, Awol, Tadele who are Meskan Woreda health workers and kebele admin officers gave lecture to Yetabon community.



At Dale Woreda Gajamo Primary School. Teachers and students listen to our session very seriously.



Disinfection for RP installed well at Dale Woreda

It is important to do proper disinfection (*) to improve water in terms of microbial water quality. After installation of rope pumps, the disinfection for the wells was conducted by the staff members of Dale Woreda Water Office, Dale Woreda Health Office, SNNPR Water Resource Bureau and JICA WAS-RoPSS from 26th to 28th December, 2014. The objectives of this activity were not only to disinfect the wells but also to improve technical skills of the government officers in water treatment and, at the same time, to create awareness of safe water for local people. During disinfection, a lot of users and children came to see the activities, and woreda office staffs explained the importance of safe water to them.

Bits of knowledge on Self Supply

**Disinfection: One of the ways to treat water by killing bacteria in the water using Chlorine such as Calcium hypochlorite. Chlorine is chemical for strong oxidant. Therefore, most of bacteria can not survive under Chlorine. The working method is as follows; firstly adding Chlorine as 50-100 mg/L residual chlorine depend on turbidity, and then keep it overnight(12-24 hours). During that, it is not available to use the water due to high concentration of Chlorine. After that, throwing out the treated water until <0.5 mg/L as residual chlorine- at this point, the smell of Chlorine disappears.*



Zerihun (yellow Tshirt), from Dale Woreda Water Office, is mixing chlorine before putting to the well.

Pouring high chlorine dissolved water into the well

While disinfection, woreda water office staff taught children to clean the surrounding of the well for better hygiene.

Training on Rope Pump Credit Scheme

On 24 and 25 January 2015, Omo Micro Finance Institute (OMFI) and WAS-RoPSS Project conducted a training on rope pump credit scheme. The scheme was introduced a year ago, however, because the scheme is still on trial stage with complicated procedures, Some OMFI staff and clients were not very sure about the procedure. Intensive preparation was done by OMFI and the Project, with site visits before the training.

The programme was not only review the scheme but also explaining about the coupon system* for the purpose of beneficiaries to understand that it is a loan, new uniformed formats for this scheme, saving box, etc. Several group works were done for them to plan next action for accelerating number of loan agreements and clarify repayment schedule. The discussion among the participants were very fruitful in terms of solving challenges that they are facing.

**The coupon system was introduced for the clients to feel that they are actually "paying" for RP installation, instead of providing everything in kind.*



Coupon that we are introducing

የገመድ ፓምፕ ብድር ኩፖን < ለተከለ አገልግሎት >			
Rope pump credit coupon <INSTALLATION>			
የኩፖን ዋጋ Coupon value	ETB	SN : 2014/088	ጠቅላላ ብድር Total Loan Amount
የተሰጠበት ስም Name	ፊርማ Sign	የቦሌ Kebele	ወረዳ Woreda
የሰጠው ቦሌ ወረዳ ስም Name of OMFI Agent	ፊርማ Sign	የገህነብ ሰጪ ስም Name of village technician	ፊርማ Sign
<p>ግንባታው ከተከለ በኋላ ብድር ሰጪው የገህነብ ሰጪው ስም ፊርማ ላይ ስም እና ፊርማውን ያስፍራል። After installation is completed, the user will give this coupon to the installer (village technician). The Village Technician should write his name and sign below.</p> <p>የገህነብ ሰጪው ስም Name of village technician</p> <p>ፊርማ Sign</p> <p>ግንባታው ከተከለ በኋላ ብድር ሰጪው የገህነብ ሰጪው ስም ፊርማ ላይ ስም እና ፊርማውን ያስፍራል። The Village Technician should take this coupon to Woreda Water Office. Woreda Water Office should check the rope pump installation was done properly and approve by signing below.</p> <p>የወረዳው ስም Name of W. Water Officer</p> <p>ፊርማ Sign</p>			



News from IRC

As part of the CNHF fourth program, particularly in line with the self-supply acceleration program, Millennium Water Alliances- Ethiopian Program (MWA-EP) are planning to undertake baseline survey in project target woredas in two regions. The project target woredas are Dera, Estie, Farta, Kalu and Kelela in Amhara region, and Dugda, Jeldu and Omo Nada woredas in Oromia region. Prioritized kebeles based on self-supply potential will be the focus areas of the survey within each woreda. The lead partners are World Vision, Catholic Relief Secretariat (CRS) and Care; there are also local implementing partners. These NGOs will facilitate the survey and will be supported by IRC and A4A.

The baseline survey is aimed at augmenting the main baseline survey undertaken previously under different program, and collecting comprehensive information about self-supply for woreda based self-supply acceleration

planning; and it has five components with all components directly or indirectly related to self-supply: self-supply facility survey including water quality, business enterprise survey, financial institutions survey, key informant interview survey, and wealth ranking. The survey is supposed to respond to different self-supply technology ladders, number of self-supply facilities, water quality situations, private sectors involvement, etc. The survey uses the smart phone based data collection. It is designed and uploaded to the smart phones using Akvo Flow, and has already been tested both at Office and field level.

IRC, International Water and Sanitation Centre, is an NGO working on equitable and sustainable water, sanitation and hygiene (WaSH) services. Check on their website at <http://www.ircwash.org/topics/water-security> (There are 2 videos that you can enhance your understanding on self-supply!)



Self-Supply related Activity Schedule

Activities done in Dec., Jan & Feb.

- Dec. – Rope pumps installation training for village technicians in Dale woreda in SNNPR
- Dec. – Starting of RP promotional activities in the target woredas of WAS-RoPSS in SNNPR
- Dec – Safe Water Chain Training for WAS-RoPSS Project target kebeles
- Jan. – Rope pump inspectors' training in Addis Ababa
- Jan. – Training on RP credit scheme for WAS-RoPSS Project target area OMFI and Woreda Water Offices
- Jan-Feb – Awareness creation on hygiene and water quality of the well in the Project areas
- Feb. – Advance course on RP manufacturing, installation and maintenance in SNNPR

Coming up in Mar & Apr.

- TOT on RP manufacturing, installation and maintenance in SNNPR
- Self Supply Fair and World Water Day and celebration for MDG achievement at Addis Ababa (March 19-23)
- Rope pump installation by village technicians in WAS-RoPSS Project areas
- Self supply training held by WRB-SNNPR in Arba Minch and Mizan
- Rope pump promotion activities in WAS-RoPSS project areas
- Well technical assessment for the candidate households in WAS-RoPSS project areas

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

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- 【JICA】 <http://www.jica.go.jp/oda/project/1100485/index.html> (Japanese)
<http://www.jica.go.jp/project/english/ethiopia/OO4/index.html> (English)
- 【IRC】 <http://www.ircwash.org/>