

VISION ERITREA



PROGRESS PROJECT REPORT FOR FOG HARVEST 2007



SUBMITTED TO WATER FOUNDATION

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PROGRESSIVE REPORT FOR FOG HARVEST PROJECT IN NEFASIT AND ARBOREBUE SITES

- 1. Nefasit Site:** As it has been reported previously the establishment of the large fog collectors in Nefasit site has been finalized. Recently, the water committee from the Parent Teacher Association (PTA) has been established and ratified their water bylaw. Now the water supply has been handed over to the local administration of Nefasit on August 07, 2007 in the presence of representatives from Water Resources Department and Sub Zone administration (Fig 1 and 2).

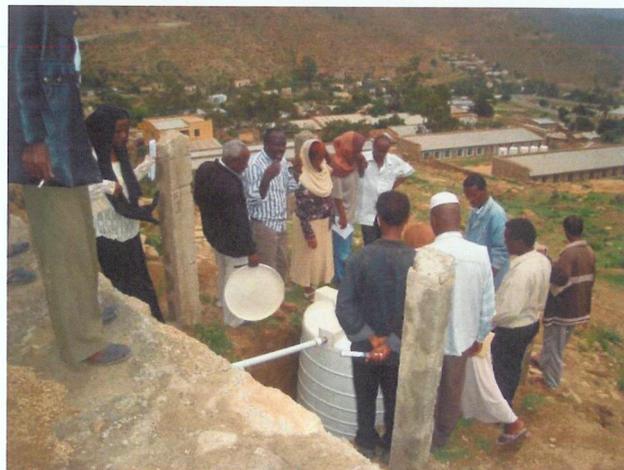


Fig. 1: Handing over of the fog collector infrastructure to beneficiaries in the presence of Sub Zone Administrator and representatives of WRD



Fig. 2: Participants of the handing over ceremony during their visit to the water tankers and water distribution points

During the handing ceremony the Sub Zone Administrator (Mrs. Amna Haj) has elaborated her satisfaction for the physical installation of the system and she emphasized that it is the responsibility of the community to manage and make it work the system on ground. She further stressed that if this project in Nefasit is proven to be working by the intensive management of the community it will have a message to the donors to replicate similar project in other areas of the country. As an example she has mentioned Donogolo area to be considered for future similar intervention (Fig 3).



Fig. 3: Nefasit Sub Zone administrator making a concluding remark during the handing over ceremony

2. Arberobue site:

2.1 Installation of Large Fog Collectors

Initially, the required number of pits has been excavated in the already selected site of Arberobue using daily laborors (Fig 4). Once the pit was dug an appropriate stone has been anchored with a cable with the facilitation of VE project staff (Fig 5).

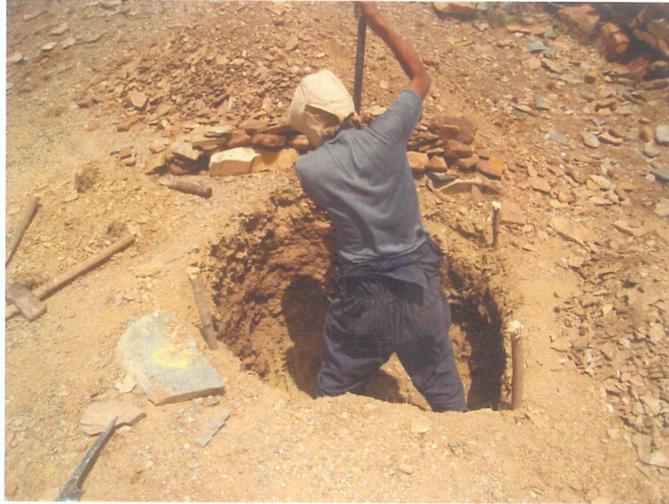


Fig. 4: Pit digging and cable anchoring for the establishment of the large fog collectors

Once the cable anchoring was finalized the posts has been erected and the mesh stretched in the already fixed metal posts (Fig. 5).



Fig. 5: Post erecting and mesh stretching for the large fog collectors

2.2 Installation of pipe lines

The pipe line has been excavated with the labor constitution of the communities and the pipes have been installed with the locally hired plumber (Fig. 6).



Fig. 6: Installed pipe lines and fittings for Arberobue water supply system from fog harvest

2.2 Establishment of water reservoir (tankers)

The water reservoir has been constructed with a locally hired contractor with in the school compound. To have an adequate pressure with at the water distribution point the water tankers has been raised to one meter platform and properly fenced. Since the there is no access road to the school the construction materials (stone and grave) have been transported using camels and donkeys (Fig 7).

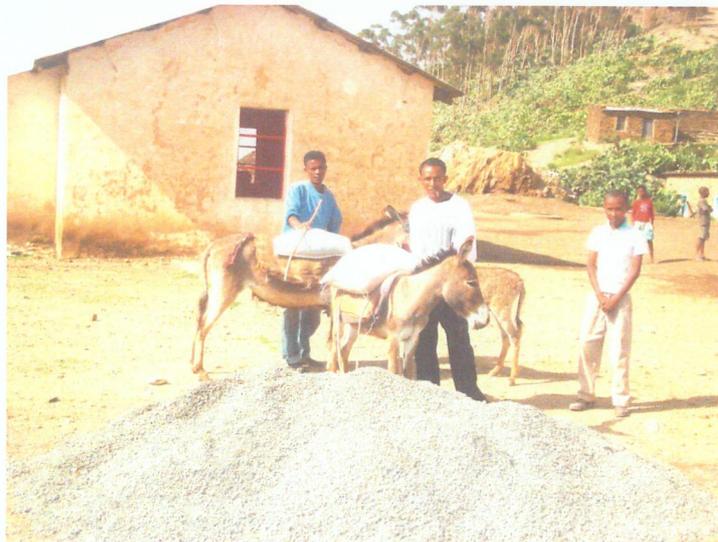
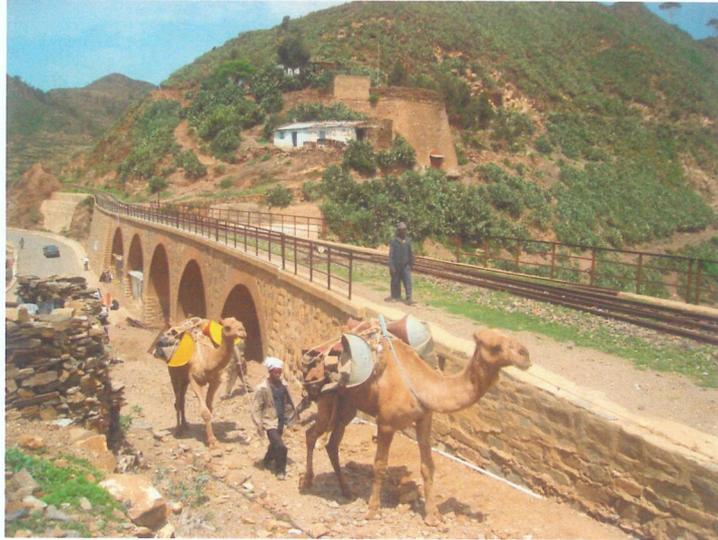


Fig. 7: Transportation of construction materials to the water reservoir and water distribution site in **Arberobue village**

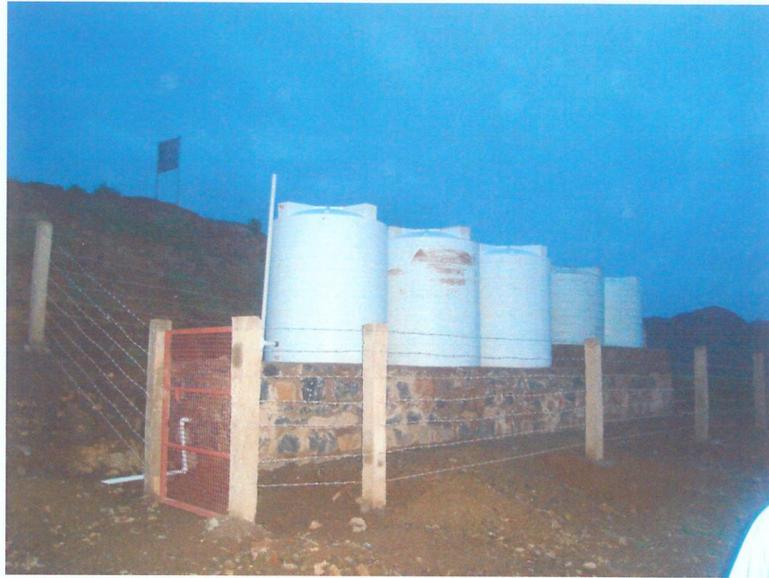


Fig. 8: Completely constructed and properly fenced water reservoir site in **Arberobue village**

2.3 Establishment of water distribution point

A water distribution point has been constructed within the school compound with 8 taps, four on each side (Fig. 9). The water distribution point has been constructed with a locally hired contractor under the supervision of VE engineers.



Fig. 9: A water distribution point in **Arberobue school**

2.4 Handing over ceremony

The establishment of the large fog collectors in Arberobue has completely finalized (Fig 10, 11 & 12). Similarly, the water committee from the Parent Teacher Association (PTA) has been established and ratified their water bylaw. The water supply has been handed over to the local administration of Arberobue on August 08, 2007 and similarly it has been demonstrated to the water committee and the villages how the system works.



Fig. 10: Demonstration of the large fog collectors and the water supply system to the local administration and participating community from **Arberobue**



Fig. 11: Demonstration of the water tankers and water distribution point to the local administration and participating community from **Arberobue**

Village elders and members of the water committee has expressed their satisfaction during the handing over ceremony and elaborated that they are lucky to see such a new technology being implemented in their area (Fig. 12). They have also stressed that the management of the system is the burden responsibility of the community at large and the water committee in particular.

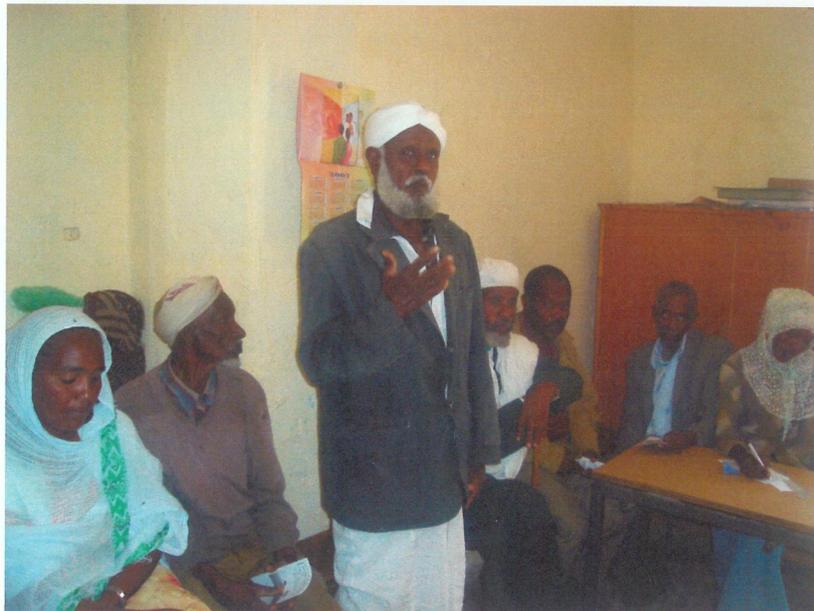


Fig. 12: Village elders expressing their satisfaction and making their final remarks
