



ACTIVITY COMPLETION REPORTING FORMAT

PROJECT NAME: Lifesaving and Livelihoods Restoration Project-III (LLRP-III)

PROJECT START DATE:

PROJECT END DATE:

ACTIVITY: Rehabilitation of water pan

ACTIVITY START DATE: 4th April 2019

ACTIVITY END DATE: 20th May 2019

ACTIVITY LOCATION/ VENUE: Owru-dimtu village, Elwak district; Gedo region

ACTIVITY DESCRIPTION

Somalia is considered a water-scarce country regularly experiencing extreme water shortage during dry spells. Persistent conflicts, Rapid population growth and inefficient water sources increase the deficit between the clean, safe and available water and its demand. Nardo/VSF-Swiss engaged in rehabilitation of strategic water pan between April and May 2019 through contractual modality. This will improve the hygiene and sanitation of water in the pan, reduces the high proportion of water wasted during rainy season. Which in future foster high access to clean, safe and adequate water service to the local community for its intended purposes and will have positive impact on the community.

Garsaal construction & general supplies limited was contracted by VSF-Swiss, the company was well decorated in this field and possessed great skills, experiences on assigned duty, field staff and wash officer of NARDO in collaboration with host water management committee (WMC) was present from the start of the activity to the end for guidance, supervision for the contractor to execute the work well.

ACTIVITY PROCESS:

Water pans are an important water source in the rangelands during the dry season. However, siltation of the pans from annual and biennial flooding has been the greatest challenge that is becoming common due to climate change. NARDO/VSF-Swiss team did thorough pre-activity need assessments in Elwak district, after that, the site selection was done, community mobilization and giving out tender and awarding contractor(VSF) and start of the activity.

Bulldozer was used as method of excavation tools for land grading and leveling of the soil earth, desilting and protecting the nature of water pan to increase the water holding capacity during rainy season, which will to effectively sustain livestock herds and humans who depend on the pans as the only source of water available. installation of sand filtration unit was done between the water pan and elevated tank.

Installation of overhead plastic tank with a capacity of 5000ltrs to an elevation of 5m above the ground and generators adjacent to the water pan that will be used to pump water from the pan directly to the overhead storage plastic water tank for batch chlorination of water before human



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consumption. Beneficiaries will then collect the water from tap stands, with four water taps, connected at the overhead tank outlet.

Construction of Two concrete troughs erected for animal watering (1 for sheep and goats and 1 for camel cattle and donkey). Dimensions of Water trough constructed at the pan i.e. Water troughs for sheep/goat 0.3m height by 0.7m width by 7m long and for camel/cattle/donkey 0.5m height by 1.0m wide by 10metres long.

The use of live fences composed with barbed wire and poles supported with first growing local plant, which will deter livestock from entering the pan and reservoir area. Live fences were being planted as soon as the wire fence has been constructed. The selections of plant for the live fence consider the viability of the plants given the local climate and rainfall pattern. Water tower and sand filtration was put outside the fence.

Pressure testing of pipes was being carried out before pipes are encased in concrete or buried.

LESSONS IDENTIFIED/ISSUES TO NOTE/CHALLENGES:

Issue to note

- Installation water tower was made at a distance of 90meters from the pan that resulted in low pressure in pumped water from the source to the overhead tank, that which resulted in addition of second filtration unit at the middle (the pan and overhead tank), second generator is put in between water tower and sand filtration system to increase pressure up to the height of overhead water tank.

Challenges

- Delay of excavating machine
- High expectation from the local communities

SUMMARY STATISTICS OF BENEFICIARIES:

ACTIVITY/VILLAGE	MALE	FEMALE	TOTAL
Owru-dimtu	256	314	570

Annex 1

PHOTOGRAPHS WITH CAPTIONS:

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SCZ: Gedo region;
Situation of Owru
dimtu water pan
before
rehabilitation in
Owru-dimtu
village, Elwak
district.



SCZ: Gedo region; bulldozer the pan, trough and installation of gate during rehabilitation of Owru dimtu water pan in Owru-dimtu village, Elwak district.



SCZ: Gedo region; completed rehabilitated of Owru-dimtu water pan, installation of gate, elevated water tank and water tap in Owru-dimtu village, Elwak district.

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SCZ: Gedo region;
completion of
sand filtration
unit, completed
rehabilitated
water pan,
community,
water trough,
excavating
bulldozer, in
Owru-dimtu
village, Elwak
district.