



Water Means Life applies to become an NSR project.

Project title: Water Means Life-Somalia

Project timeline: 2025 to 2027

Follow up timeline: 2028 to 2029

Project goal: provide access to clean water by drilling two more bore holes for the people and their animals having drinking and small scale agriculture.

Background

The big problem in Somalia, along with other countries on the African continent, is the lack of water. Rainwater is collected if it rains at all and this water is unusable. Transport by tanker is the only possibility and it is very costly. People are fleeing due to drought and lack of water and it is also very difficult to conduct health care and educational activities when there is a lack of water.

Giving more people access to clean water is one of the biggest challenges of our time. It is for this reason that we see it as so urgent to be able to implement this water project in Somalia. MD 101 Sweden has run Water project with the name Water Means Life-Somalia since 2018 with national collection. Three wells were drilled. About 30,000 people have gained access to clean drinking water, water for their animals and for small vegetation farms but much more support is needed. MD 101 Sweden is willing to continue to give life saving clean water to more people in the Bari region Somalia with this time making the project Water Means Life-Somalia to NSR project.

Bari Region is located in north-eastern Somalia and it is part of the Autonomous state of Puntland.

The climate is very dry, preventing agriculture. The population sustains itself by cattle-breeding, primarily sheep and goat. Life expectancy lies around 40 to 45 years, yet diseases common to old age are prevalent among the population. Diet consists of milk, rice and sometimes meat. The absence of other types of food causes many deficiency diseases. Most of Bari Region inhabitants live in various villages or are otherwise nomadic. There is one major city (Bossaso) with port and International Airport.

Availability of clean water is almost non-existent and water from any rain becomes steam before it can be taken care of. There is no way for effective communication and a hospital visit will for example be a two day trip on a truck or similar. There are many local problems, but there is one matter in particular that must be prioritized and that is the availability of clean water because no health centre or school can function without availability of water.

Water solves the problem.

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two day trip on a truck or similar. There are many local problems, but there is one matter in particular that must be prioritized and that is the availability of clean water. The climate in Puntland (Northeastern Somalia) is extremely dry, which also complicates cultivation. The population is fed up with livestock farming, especially sheep and goats. Most inhabitants of the Bari-region live in villages or live as nomads. Access to water also in the villages would create conditions for e.g. cultivation of animal feed, potatoes and vegetables.

With clean water the population could create a better future by growing livestock and also let the children go to school. Lions MD 101 wants to continue the project **/Lions Water Means Life-Somalia/** to help with additional boreholes in the region

The purpose

The purpose of the project is to give sustainable clean drinking water within close proximity for the different inhabitants in Bari Region, northeastern Somalia. Clean drinking water will give the people an opportunity to stay and live in their home area, where they can grow vegetation and raise livestock. Clean water will make them resilient during the dry seasons. Currently the people depend on raising livestock which means that they need to migrate to where there is access to water. In the next rain season some of them go back to their area of origin, other continue to migrate to other parts of the country and further to Europe. The ground water in the area is deep underground down to several hundred meters.

History

Water Means Life has been a project within LIONS since 2012, originally the project started in LC Borlänge. Since the start the goal has been to help the nomadic communities in the Bari region in the northeast Somalia with access to clean water.

In the area there were unreliable water sources and the main water recourse came from rains that was gathered in reservoirs and shallow wells that dried up quickly during the drought season. Without access to water the people had to migrate to other areas. In the next rain season some of them go back to their area of origin, others continue to migrate to other parts of the country and further to Europe.

In 2012 a Swedish hydrologist made a survey in multiple locations for suitable locations for drilling for water. So far Water Means Life have been successful with drilling after water in two villages that have become reliable destinations for water.

We have used local drilling companies for drilling in the area. The two bore holes have been down to a depth of 200-300 meters. Along with drilling for



water we have also made water towers, water kiosks and drinking stations for livestock/ animals. People travel for days to our two earlier bore holes when there is drought season. The locations have been reliable locations for the area.

Technique

We have been using the VLF technology for finding suitable locations for drilling for water. The Swedish hydrogeologist returned in 2022 to confirm some location and even helped tutoring the local hydrogeologist about the Very Low Frequency technology that has been used. We have many more suitable locations marked along with graphs from the soil layers.

Challenges

The challenges are primarily transporting the 50 tonnes of heavy drilling equipment to the drilling site. Another challenge is availability for spare parts if the drill breaks down. Scarcity of water can also be a challenge if the drilling is made in a extreme drought season because water is used during the drilling process.

Lions Clubs Internationals priorities

Project is directly related to Lions Clubs Internationals priorities in areas of assistance. The project is directly related to two of Lions Clubs International's focus areas;

1. Focus area Relieving famine, which means, among other things, that substandard food must be combated.
2. Focus area Protect our environment which, among other things, focuses on problems caused by poor drinking water.

Total cost for one bore hole- drilling, equipping with water supply system	Amount \$
Drilling up to 400 metres	157.000\$
Proct cost, including transactions cost, transport, accommodation	15.474\$
Totalt cost for one complete bore hole with a capacity of serving 10-15.000 people .	172.474 \$ USD
Financing the project	
Income	USD
MD101 Sweden	19.037\$
NSR	67.200\$
LCIF	86.237\$
GRAND TOTAL:	172.474\$



Local contact

The project have good local support from two local Lions Clubs in Bossaso city (Lions Club Bossaso and Bossaso Women Lions Club), Puntland Somalia. Several members have been contributing their support to the project.

We have good local connection to the Puntland Water Development Agency and the Ministry of Water and Natural resources in Puntland Somalia.

Project steering committee

Water Means Life-Somalia is led by PCC Anna Maria Bernstein as a chairperson.

The team has a good knowledge of project leadership, since they have leading the project in many year with good record of reporting and keeping the project economy in balance and according to the plan.

Other members in the project are;

PDG Bengt Lundblad treasurer for MD101

PDG Lennart Pettersson, past project chairperson

Kim Alvelius, project leader

VDG Mursal Isa, project coordinator

Birger Fogdestam Ground water geologist advisor (TERRA GEO AB SWEDEN)

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Council Chairperson for MD101 2023-2024 Pia Sundberg

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Past Council Chairperson Anna Maria Bernstein

Project Chairperson



Lions Clubs International
FOUNDATION



1. Lions Water Means Life-Somalia is a national project since for Swedish Lions. The previous boreholes have been funded by Lions members through the clubs and districts participating in the national fundraising recommended by MD101. Enough money has always been raised to match LCIF. The times that the application has been submitted to LCIF, it has no problem getting the requested amount.
2. There is great commitment among the members of Lions Clubs. The project is well known within Lions in Sweden and the International Lions. LCIF has been using the WML as a good example of how to implement a LCIF funded project. Since 2019, all the IP visiting Sweden had a demand of hearing the story of this successful project. As NSR project, the project get Matching Grants.
3. Sweden's Lions have a history of participating in the joint financing of NSR projects. The clubs follow the recommendations from MD level.
There are already funds in the account that the clubs and some districts have paid and that can be used for co-financing WML as an NSR project.

Questions can be answered by PCC Anna Maria Bernstein Chairperson for WML Sweden

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