



**Water Boreholes for the
thirsty**

Puntland, Somalia

**Compiled and Submitted By Shafshafo
for Relief and Development
<http://www.shafshafo.com>**

1. PROJECT SUMMARY:

Project Name:	Clean Water Source Installation for water-Scarce Urban Areas
Project Locations:	The worst-hit locations in Somalia (see the maps attached)
Country:	Somalia.
Beneficiaries:	Nomadic pastoralists as well as urban dwellers facing water-scarcity.
Project Budget	<u>\$ 844,200</u>
Project Schedule	12 months after getting the necessary funds
Implementing Agency and Partners:	The project will be implemented by Shafshafo for Relief and Development in close cooperation with the local communities.

2. PROJECT JUSTIFICATION

The main occupation of the Somalis is pastoral nomadism. These communities are often in the move in search of grass and water. Life in the urban city depends on this occupation directly or indirectly. Life is dependent on rain water. When seasonal rains fail, life stagnates, animals die in mass. Famine strikes and prompts displacement of communities in rural areas. In urban cities water-borne diseases like diarrhea, hepatitis become rampant and many die as a consequence.

Somalia has gone through many years of destructive civil war that prompted the collapse of central government and the disappearance of infrastructure including water sector. There have never been regular sources of water as the most of the communities depended on shallow wells that went dry when seasonal rains fail. The recurring failures of seasonal rains prompt enormous economical problems, like loss of lives en mass, subsequent famine and the displacement of nomadic pastoralists,

To address this water-scarcity problem, SHAFSHAFO is trying to install regular sources of water for the worst hit areas in Somalia. Deep water holes is the only option that answers this water scarcity as these areas have rivers, streams or other sources of water. SHAFSHAFO is seeking international assistance for this sacred endeavor. Common droughts in Somalia make water a precious commodity. Addressing that problem, Shafshafo is trying to install deep water boreholes in areas

where water crisis exist and the lack of availability of clean water brings about many water-borne diseases

3. Target Locations

#	Place	Geographical location	settled pop.*
1	Dhobley	Jubbaland State of Somalia	7,000
2	Baadweyn	Mudug, Puntland State	5,000
3	Buhodle	Ayn, Khatumo State	7,000
4	Taleh	Sool, Khatumo state	4,000
5	Kaladha'	Bari, Puntland State	5,000
6	Sallah	Mudug, Puntland State	8,000

* populations don't include the water caravans and the nomadic pastoralist that come regularly for watering. The above

4. BACKGROUND OF IMPLEMENTING ORGANIZATION

SHAFSHAFO is a non-political, non-profit and non-governmental organization that is registered in Mogadishu and branches in most of the main regions in Somalia. It was established by academicians and former Somali Minister of Culture, Education and Higher Education for the benefit of the community. These academicians formed SHAFSHAFO to answer the urgent dire need to mitigate the suffering of communities in the Horn of Africa. The Board of Founders (BOD) oversees the functioning of the organization and its day-to-day affairs.

SHAFSHAFO in partnership with the World Muslim League provided assistance to a number of university students who were in dire need for assistance.

5. PROJECT IMPLEMENTATION STRATEGY:

SHAFSHAFO has already made research and identified areas where the greatest need for water exists. SHAFSHAFO has already made contact with a geologist in Somalia to provide consultation with technicalities of drilling for water. In close cooperation with the community of the area, SHAFSHAFO will assign a suitable area for drilling. Then a store and office is built before the drilling starts. The necessary material is acquired and the drilling starts after all accessories and drilling machinery are achieved. There are drilling rigs available in Somalia for hire. SHAFSHAFO has already contacted some and received some quotations.

6. PROJECT BUDGET BREAKDOWN:

The project budget breakdown is depicted below showing the cost of sub-project. The amounts are quoted in USD.

A. Dhobley Well

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Dhobley		<u>\$ 140700</u>

B. Baadweyn Well

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Baadweyn		<u>\$ 140700</u>

C. Buhodle Well

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Buhodle		<u>\$ 140700</u>

D. Taleh Well

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Taleh		\$ 140700

E. Kaladha'

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Kaladha'		\$ 140700

F. Sallah

1	Five-room building	\$ 11,000
2	A 400 meters deep borehole complete with casing, submersible pump and other accessories	\$ 98,000.00
3	Caterpillar 3208 Engine Diesel Generator SET SR4 175 KVA 1185 hours CAT	\$ 15,000
4	One spare submersible pump	\$ 5,000
5	Two fibre glass reservoirs	\$ 5,000
Grand Total		\$ 134,000
Contingency 5%		\$ 6,700
Total estimated cost of the well in Sallah		\$ 140700

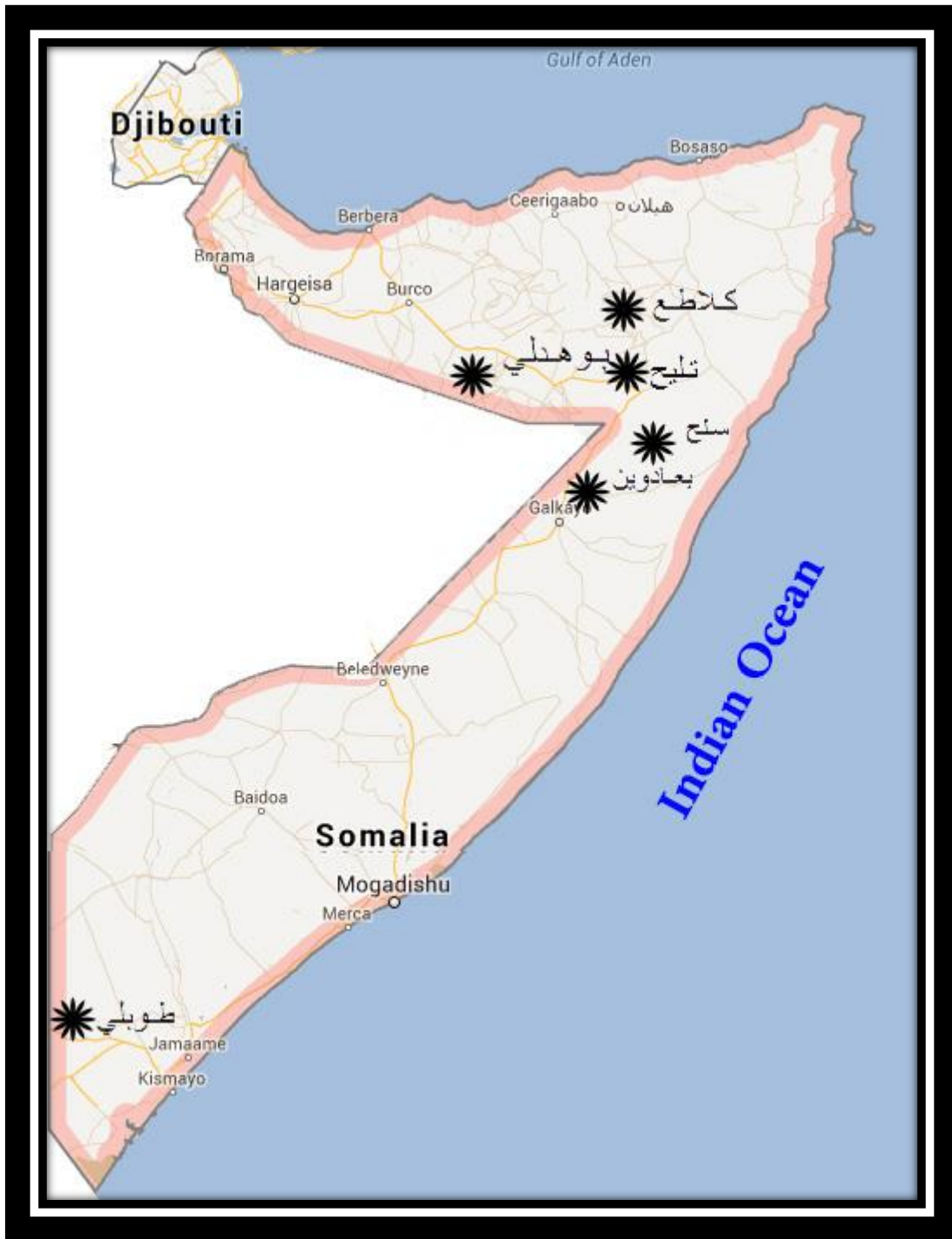
Contact

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Locations of the target wells