



**PUNTLAND STATE AUTHORITY WATER, ENERGY
AND NATURAL RESOURCE**

DRILL MACHINE CONCEPT PAPER

MAY, 2016

Garowe, Puntland

Somalia

DRILL MACHINE CONCEPT PAPER

BACKGROUND

Puntland State for water, energy and natural resource (PSAWEN) has been established in the year 2000 under the legal framework of law number 20.

It autonomous specialized institution for water, energy and natural resources, which under the direct supervision of the office of the president, to increase the water accessibility through strategic boreholes, water dumbs, spring water sources for the wellbeing of Puntland Community and their animals. to promote energy sector, by creating enabling environment where by the government, private sector and donors support can operate together to achieve common goal, to have a modern drilling machine which enable to drill 800 m deep.

GAOLS

- i. To invest water infrastructure (strategic boreholes, dumbs) to increase the equitable water access to all Puntland community to attain a good living style.
- ii. To improve the water quality, to make sure that both human and animals have a clean and safe drinking water.
- iii. To innovate new energy sector development by the utilization of renewable energy including sun, winds and other related sources.

CONTEXT

Puntland locate horn of Somalia, which is experiencing recurrent severe droughts, whereby by most of communities are over and over utilizing limited boreholes those may not have stand by supplies including the pipes, water submersible pumps with a complete accessories, and generators.

PSAWEN has available human resources and geophysical equipment, to survey the water points, in order look support from other developmental partners, and the main challenge here is the local drillers contractors drilling machines are outdated machines those may not drill the

recommended depth, some time it took to complete very long time because of the poor equipment, and higher prices.

When donors fund is not there, the contractors are not willing do drill any borehole because their business nature, and communities are suffering with sever and high magnitude drought negative impact, while the government cannot respond due to the financial matters.

Therefore, PSAWEN is willing to have a drill machine which may drill up to 800 M deep in line with the geophysical report to reach whereby enough water can be found, and to increase the number of boreholes, then our community water needs will be responded immediately with waiting donor support.

From security perspective, statistically it has been reported that community conflicts have risen due to the resource based conflict due to the competition over scarce water resource, therefore we are strongly have a confidence if PSAWEN get the drilling machine, most of the water needs will sorted it out.



A photo for broken borehole during drought, while animals are suffering due to over utilization

EXPECTED RESULT

- i. Puntland Water infrastructure will significantly improve, new boreholes will be drilled, re-drilled and other maintained.

- ii. Water resource scarcity resulted conflicts will reduces, and the unity of the community will be maintained, this will contribute the overall state stability.
- iii. Renewable energy for electrification and water production will be achieved, and it will lead to reduce price/ cubic meter.
- iv. PSAWEN will enable to drill the borehole with our donors support (Sustainability matter achieved)

BUDGET ESTIMATE

S/n	Description	Budget
1	New drill machine which may drill up to 800 M deep	\$1000,000
2	Accessories	\$100,000
3	Transport	\$30,000
	Total	\$1,130,0000

CONTACTS

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See attached: President Letter, and currently taken photos of drought affected areas





PUNTLAND STATE OF SOMALIA
THE PRESIDENT OFFICE

Ref: MW/DPS/253/2014

Garowe - جروي

Date: March 31, 2014

To: All Ministries of Puntland
To: United Nation Organization
To: All INGO's Puntland State of Somalia

Subject: PSAWEN Agency.

Whereas, PSAWEN has the full mandated to oversee and manage the Puntland Water and Energy Affairs as per National Water Policy, national law and reconfirmed with Presidential degree ref.55 and law number 20 dated 14/12/2000.

Whereas PSAWEN is an autonomous agency working under the Office of the President.

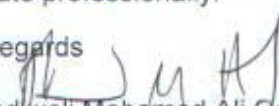
Given Consideration, the necessity of the agency to fulfill their mandate.

This is to inform you that Puntland State Authority of Water and Energy (PSAWEN) is the line agency of Puntland Government for Water Resource and Energy Development.

It is mandated to issues related to this vital sector, including dealing with aid agencies about assessing new water sources, drilling new boreholes, maintenance of existing water implementing policy of water and energy in Puntland.

We hope the above mentioned organizations will work with and support PSAWEN to improve water and energy in Puntland and to discharge its mandate professionally.

Best regards


Dr. Abdiweli Mohamed Ali Gas
President of Puntland

