

GSIHT



Ghana Switzerland Hospital Technicians

Comboni Catholic Hospital, Sogakope Well- water supply Project for the Hospital

Statement and Project description:

The Comboni catholic Hospital in Sogakope is a well-known place for excellent medical treatment since decades far abroad local borders.

Water is the lifeblood of a hospital.

Since the beginning the water from the hospital is taken straight out of the Volta river close to the Hospital.

This River water is used **untreated** for the various uses in the Hospital.
Within the last decade the quality of the water has decisively changed and deteriorated. The water is overfertilized and contains a lot of germs and Coliform Bacteria

Therefore, a new solution to ensure a safe and reliable water supply must be found:

The best solution to improve the water quality for long term are deep **boreholes**.

Project description:

Step 1:

Drilling of 1 Boreholes 6" diameter, at least 30m deep, away from soak and septic tanks to avoid contamination of the underground water.

The well water should be pumped direct to the overhead tanks without any filtration. This water must be analysed by the borehole driller for bacteriological and chemical substances and germs.

The yield of both boreholes must be defined with a 3 hrs. pump test.

The electrical connection is prepared at the low tension distribution in the Hospital.

An automatic pump control and overload switch is available to secure the Submersible pump.

Costs for Drilling and Installation:

Estimated costs

-	Material and Transport	GHC 55000.00	€ 5500.00
-	6"- Borehole – drilling, Yield test Bacteriological Test	GHC 35000.00	€ 3500.00

The Project will be supervised and controlled by HTU- Technicians.

Due to the Emergency of the Project, we have to start to build this Borehole without any delay.

For further Information please contact me.

Thank you for your support

Rudy Eggenberger
Project leader GSHT

+41 79 448 84 48

Or by mail....

Receiver:

Dr. Henner Krauss, GRVD
Matteo Novati, Comboni Italy
Aminu Abdul Mumuni, HTU- Konongo, Local Project Leader GSHT
Stefan Burri, President GSHT