



Vorstand

Technik ohne Grenzen e.V.

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Höchststadt, den 11. März 2019

To whom it may concern

Reference for the Hospital: Sapeman, Ga West, Greater Accra

Key figures:

- Intended bed capacity: 100
- Key medical departments:
 - Pediatrics
 - Internal/General medicine
 - Obstetrics and gynecology
 - Traumatology and orthopedic

Comparable size of Hospital: It could be compared to Paracelsus Clinic Hemer. However, Out Patients Department (OPD) cases, baby delivery cases and accident emergency cases are expected to be higher since it is located near the Accra-Kumasi highway where a large number of accidents occur.

Water Situation:

There is one borehole drilled on site purposely for the building of the Hospital. The volume of the water the borehole can produce per day is not known yet since there is no flow meter installed on it. A sample of the water was taken and brought to Ghana Water Company to be analyzed. Additionally, there is a second borehole which is not in use due to low groundwater level. A geological study at the area of the two boreholes was done by a geologist. The team of Technology without borders is currently deliberating on measures.

First recommendations

- It is recommended that, when the prime point is drilled and the yield is less than what is required, then hydro fracturing should be considered or they should drill the alternative Point.
- The maximum drilling depth is 100 meters and minimum drilling depth 40 meters
- The Electrical Conductivity (EC) would have to monitor closely during drilling to check salinity.
- The drilling should be supervise by geologist or geotechnician.

Waste Situation:

Vorstand: Dr.-Ing. Frank Neumann (Vorsitzender), Dipl.-Ing. Franz Regler, Dipl.-Ing. Robert Schullan, cand. Ing. Nhat Nguyen, M. A. Melanie Bonitz, M. Sc. Daniel Schaffert, Dr.-Ing. Veronika Birk, B. Eng. Martin Huber,

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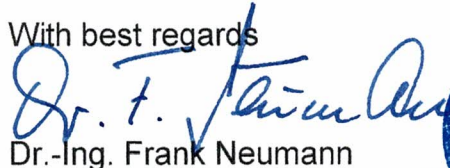
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There is no waste management system put in place yet.

General recommendations:

This hospital is very important to the residents of Sapeman because Sapeman has no health center yet and residents normally depend on neighboring suburb of Amasaman or the Government Hospital at Nsawam. This 'no bed' problem has caused a lot of deaths in the country: this Hospital will contribute its portion in the fight to reduce such deaths.

With best regards



Dr.-Ing. Frank Neumann



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