

WATER AND SANITATION

CONCEPT NOTE

WATER SUPPLY LINE FOR URBAN MUNICIPALITIES

WHERE: KENYA / EAST AFRICA

PARTNER: LOCAL CITY COUNCILS AND WATER SUPPLY AUTHORITIES

319 million people in sub-Saharan Africa lack access to proper drinking water – one third use surface water. Several local municipalities in Kenya and East Africa are focusing efforts to improve access to clear drinking water for the urban populations.

Business case

The project includes construction of approximately 218 km of pipeline from a spring with an estimated output of 40,000 m³/day with a maximum and minimum outflow of 5.9m³/s and 2.6m³/s respectively.

Designing the system must include new booster pumping stations, chlorination ponds, storage tanks, secondary pipelines for townships along the main line as well as upgrades to an already existing pipeline with a capacity of 39.000 m³/day.

The overall project scope is to have a daily abstraction of 1.22m³/s (105.000m³/d) from the springs and to supply the same amount of water along the pipeline's transport corridor.

Additionally, access2innovation can offer another business opportunity in Mombasa, which has similar demands for water supply - but from seawater. The project will then involve desalination, but sewage solutions are also desired.

Expected output

It is expected that the project will need one or multiple Danish companies with the expertise and capability in supplying water pipelines in populated areas.

The project leadership of the pipeline construction will be in partnership with the local municipalities in construction of the above-mentioned pipeline(s) - thereby giving access to clear drinking water for people in highly populated areas.

Partner role

The local municipalities will facilitate access to workforce, construction and licenses.