

Karonga Town Water Supply Project

Client

Northern Region Water Board (NRWB)

Scope of Work

Preliminary Design
Detailed Design
Construction Management
Construction Supervision
Feasibility Study

Location

Malawi

Type of Activities

Civil (Water / Hydraulics)
Electrical
Mechanical
Instrumentation and Control
Structural
Architecture
Communications and Security Systems
HVAC
Infrastructure Systems

Karonga Town is located in the Karonga District, which is situated in the Northern Region of Malawi. The town occupies an area of about 44 km², with a current population of about 97,500 people; by the year 2035, the projected population is estimated to be about 184,000.

The existing water supply system is unable to provide reliable water supply and meet demand as it can only provide 12,400 m³/day, while the current demand is about 16,700 m³/day (in the year 2017); The water supply system in "Karonga" currently provides water to 45,776 people with a water supply of about 10,700 cubic meters per day.

The projected demand for the year 2035 shall be around 30,500 m³/day. The main objective of the project is to rehabilitate and upgrade the existing Karonga Town water supply systems and extend the distribution pipe network to the surrounding areas.

The intended consultancy services aims for the rehabilitation of the current water supply system and construction of raw water pipeline, treatment plant, water transmission pipelines, storage tanks, pump stations, distribution pipelines, and construction of auxiliary buildings.



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A major step in the Karonga Water Supply Project has taken place on Lake Malawi, where engineers have completed laying the new raw water pipeline from the shore to about 1 kilometre into the lake by floating and sinking.



