

GRIDCo CAPITAL PROJECTS PROJECT BRIEFS

4.0 11.5kV AND 34.5kV INDOOR SWITCHGEAR UPGRADE PROJECT

Background

All the new substations constructed as part of the Northern Electrification and System Reinforcement Project provided indoor 11.5kV and 34.5kV switchgear facilities. These equipment have therefore been in operation for about 20 years. Apart from difficulties associated with spares and spare parts, it has been equally difficult to undertake the expansion of the facilities. The reasons for these are that either the companies that originally manufactured them are out of business or they have stopped producing those designs.

Project Objective

The Ghana Grid Company intends to replace the obsolete medium voltage metal clad switchgear in the NED operational areas mainly, Sunyani, Techiman, Tamale and Bolgatanga Substations and also at Bogoso which have been in service for about twenty (20) years. This is to improve on the reliability of supply to customers since replacement parts for faulty components of the existing switchgear are virtually impossible to obtain.

Scope of Works

The scope of will include but not limited to the following:

- Supply and installation of medium voltage metal clad switchgear at Sunyani, Techiman, Tamale and Bogoso.
- Installation of decommissioned metal clad switchgear from the Tamale substation at the Bolgatanga substation.

Duration for Contract Implementation

The duration for contract implementation shall be 15 months.

Project Status

Preliminary designs, preparation of technical specifications and bidding documents about 95% completed.

Funding

No funding has been secured for this project. GRIDCo is awaiting some other sources of funding for the project.