



**POWER EVACUATION AND GRID INTERCONNECTION (PEGI)
PROJECT IN KASESE AND BUNDIBUGYO DISTRICTS**


**CONSTRUCTION SUPERVISION FOR IMPLEMENTATION FOR THE POWER
EVACUATION AND GRID INTERCONNECTION PROJECT**

PROJECT: CONSTRUCTION SUPERVISION FOR IMPLEMENTATION FOR THE POWER EVACUATION AND GRID INTERCONNECTION PROJECT
TYPE: POWER TRANSMISSION AND DISTRIBUTION
LOCATION: KASESE AND BUNDIBUGYO DISTRICTS, UGANDA
CLIENT: FICHTNER GMBH & CO KG/KFW/REA
PERIOD: OCTOBER 2018-TO DATE



PROJECT OVERVIEW

The Government of Uganda represented by the Rural Electrification Agency received grant financing from the German Government through KfW towards the cost of the implementation of power evacuation from Sindila and Ndugutu hydropower plants through interconnection to the national grid. The project is financing the connection of the plants through the construction and upgrading 338 km of 33 kV transmission lines, construction of new switching stations, and installation of terminal equipment at Nkenda and Fort Portal (Kanyambeho) Substations in Western Uganda.



Lot A: - Construction of a new 104 km long 200 mm² AAAC line from the new UETCL Kanyambeho 132/33 kV S/S in Fort Portal up to the switchyard of Sindila HPP with a T-off for future connection of Ndugutu HPP. Rehabilitation of 33 kV OH-line 100 mm² incl. exchange of 95 km damaged poles.


Lot B:- Construction of a new line from Nyamagasani II HPP to the new Kabirizi Switching Station (15 km long 200 mm² AAAC line to Nkenda substation (41 km x two single-circuit AAAC 200mm²). Construction of a new line from Karambi - Kabirizi Switching Station (29 km AAAC 100 mm²).

SCOPE OF WORK

Fichtner GmbH & Co KG was appointed as the Lead Consultant to supervise the construction works. Proess was engaged by Fichtner to provide the following services:

- Construction supervision of the works.
- Supervision of geotechnical investigations and analysis of results at required locations.
- Review and approval of architectural and structural designs in conformity with the client's requirements.
- Progress Reports: Input to monthly and quarterly reports.
- Ensure the works are constructed in compliance with good engineering practice and in accordance with the approved designs and drawings.
- Ensure materials and workmanship conform to the contractual specifications.
- Monitor and supervise all obligations of the Contractor in regard to environmental, social, health and security issues in accordance with national regulation and KfW specific requirements.

EXPERTISE

- Project Management
 - Civil Works Supervision
 - Environmental and Social Monitoring
 - Occupational Health and Safety
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