

PROJECT PROFILE

<u>Sector</u>	Mining & Energy
<u>Sub-sector</u>	Energy
<u>Code</u>	ME 01(C)
<u>Title</u>	Urban Power Network Rehabilitation
<u>Implementing Agency</u>	Uganda Electricity Board
<u>Location</u>	Kampala, Jinja, Tororo, Apac & Masindi
<u>Total Plan Expenditure</u>	US\$ 4.98m
<u>Funds Secured</u>	US\$ 4.98m
<u>Funding Gap</u>	Nil
<u>Starting Date</u>	1998
<u>Completion Date</u>	2002

Background

Power and energy losses are very high in the distribution networks and many of the lines are not only overloaded but very old. Due to the extensive networks and long supply distance in the LV networks, it is economical and necessary from a technical point of view to add more substations and distribution transformers to the system.

Objectives

The Project aims to:

- Rehabilitate the electricity distribution systems of Kampala, Jinja and Tororo towns and thus reduce system losses;
- Improve the voltage and reliability of power supply in Masindi, Kigumba and Kiryandongo.

Performance Indicators:

- Engineers Progress Report.

Technical Description

The Project will include rehabilitation of 11kV and LV distribution networks of Kampala, Jinja and Tororo towns and construction of a new 33kV Apac-Masindi line. It has two components:

- Rehabilitation of 260km existing 11kV overhead lines;
- Construction of 37km new 11kV lines;
- Rehabilitation of 37km 11kV underground cables;
- Installation of 380 transformers;
- Rehabilitation and construction of approximately 620km of LV lines;
- Construction of 130km Apac-Masindi line with transformers;
- Procurement of 19,000 meters and 9900 service lines for replacements and new connections;
- Procurement of 6 vehicles;
- Consultancy service for design and Project Management.

Feasibility Study

IVO International, with ADB financing, carried out a study on Distribution System Planning, Design and Loss Reduction in the middle of 1992. The study, which was accepted both by UEB, and ADB, forms the basis for this project.

Financing

The ADB total cost is US\$ 25.26 m. Of the ADB component Units of Account (UA) 18m, equivalent to US\$ 25.0m, will be provided by ADF, and US\$ 6.5m for local costs will be provided by UEB.

Plan of Operation

The ADB component will be implemented over a four year period. The ADB component started in November 1999. The networks are surveyed, mapped, planned and designed prior to construction.