7 AFFORDABLE AND CLEAN ENERGY

13 CLIMATE ACTION

Construction of 220/33 kV Sub-station in Ifakara and 70 km Extension of Distribution Power Lines in Kilombero and Ulanga Districts

December 2020

The overall objective of the project is to improve living conditions of the rural population through provision of access to reliable electricity.

KEY INFORMATION

Sector: Energy (Rural Electrification)

Lead Partner: Rural Energy Agency (REA)

Other Partners: Tanzania Electric Supply Company (TANESCO)

Budget: EUR 8,753, 493.82

EU Contribution: EUR 6,500,000

Duration: 2017 - 2023

BACKGROUND

The project is part of the EU support programme to the SAGCOT initiative (Southern Agricultural Growth Corridor of Tanzania). It is located in Ulanga and Kilombero Districts, Morogoro Region. These are districts with high agriculture-based growth potential.

The scope of the project includes construction of 1x20MVA, 220/33 kV power sub-station, extension of 70 km distribution power lines and connection of 1050 customers in 8 villages. The sub-station will increase and stabilize the availability of power in the area, thus reducing the power outage being experienced now and would allow for further grid extension in Kilombero and Ulanga Districts. The stable and reliable power will enhance economic growth by opening markets for processed agricultural products.

PROJECT DETAILS

Specific objective of the project is to increase and stabilize the availability and access of electricity in rural areas of Ulanga and Kilombero districts.

Key activities:
- Procurement of Supervision Consultant.
- Procurement of Contractors for construction of sub-station and distribution power lines. The Supervisor will work with REA to review Tender Documents and procurement of the Contractors.
- Construction of 1x20MVA, 220/33kV sub-station in Ifakara town along a 220 kV transmission line between Kihansi and Kidatu hydropower stations.
- Construction of four separate distribution power lines which feed into various points in the existing and planned networks in the districts.
- Connection of at least 1050 new customers in the rural villages of Ulanga and Kilombero districts. Connections will include 990 households, 48 agricultural processing facilities and 12 public facilities (schools, offices, health centres, etc.).
- Commissioning of works and handing over the infrastructure to TANESCO.

EXPECTED RESULTS

The project seeks to:

- Construct one sub-station (20MVA, 220/33kV) to enhance a reliable and stable electricity supply in Kilombero and Ulanga districts.
- Construct 70km - medium voltage and 46 km -low voltage power to rural areas of Kilombero and Ulanga districts.
- Connect 8 villages with electricity resulting in 1,050 new connections in rural Ulanga and Kilombero districts - 990 households, 48 agricultural processing facilities and 12 public facilities (schools, offices, health centres, etc.).

At the end, the project will:

- Increase access to modern energy services to rural communities for productive uses and ultimately improve rural livelihoods.
- Increase and stabilize the availability of electricity in the area, thus reducing the power outages being experienced now and would allow for further grid extension in Kilombero and Ulanga Districts.
- Reduce the use of private generators, saving fuel costs. Households will save their monthly expenditure on energy for lighting by 37% - 64% by switching to electricity consumption.
- Improvement of social services within project areas.
- Open up investment opportunities in the project area. Stable and reliable power will enhance economic growth by opening markets for processed agricultural products from paddy, maize, banana sunflower, fruits and vegetables.
- Increase the TANESCO customer base in Kilombero and Ulanga Districts.

PARTNERS

TANZANIA ELECTRIC SUPPLY COMPANY LIMITED
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CONTACTS

Rural Energy Agency (REA)
Contact Person: Director General
Address: PSSSF Building, Makole Road, P.O. Box 2153 Dodoma
Email: info@rea.go.tz / Web: www.rea.go.tz