Tanzania, Zambia, Kenya (ZTK) Power Interconnection

**1,552 Kilometres of 400KV Isinya (Kenya) - Mbeya (Tanzania) - Kabwe (Zambia) Overhead Transmission Lines (OHTL)**

**Overall Objective:** To improve access to electricity through increased cross-border trade of energy for power security and reliability

**Project Coverage:** The project covers Tanzania, Zambia and Kenya

**Project Outcome**

The ZTK will facilitate smooth transfer of power between the North and South, linking the NBI/Eastern Africa Power Pool (EAPP) countries to the Southern Africa Power Pool (SAPP). It will allow import and export of power between Ethiopia, Kenya, Tanzania and Zambia

### Project Highlights

- NELSAP completed the project studies (Feasibility, Detailed Design ESIA, RAP Tender documents preparation in December 2017 at a cost of NOK18.612 Million and EUR2.26 million from Norway Government and KfW respectively.

- The project is now advanced in implementation by the countries under funding from the AfDB and JICA

- The 510 km Kenya-Tanzania component of the ZTK project comprising 400kV Isinya - Arusha - Singida is under construction. Tanzania side comprises 414 km of OHTL and substations in Arusha and Singida.

- TANESCO has implemented the 400 kV Shinyanga - Iringa Transmission Line in Tanzania.

- TANESCO with the help of NELSAP-CU also completed preparation of the 400 kV Iringa - Mbeya Transmission Line.

- Zambia has implemented the 330 kV Pensulo - Kasama Transmission Line in Zambia.

- Activities to interconnect Tunduma-Mbeya (in Tanzania) to Kabwe-Pensulo-Mpika-Kasama-Nakonde (in Zambia) are ongoing. Tanzania received financing from the World Bank (approx. USD 450 million and AFD for construction of Tunduma substation)

### Background

The ZTK is one of the NELSAP Interconnections projects that were recommended by East Africa Power System Master Plan 2005, also known as Strategic/Sectorial, Social and Environmental Assessment (SSEA) of Power Development options in the Nile Equatorial Lakes Region.

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