

SPECIFIC PROCUREMENT NOTICE

Invitation for Prequalification No.	KETRACO/PT/006/2019
Project:	National System Control Centre (NSCC)
Employer:	Kenya Electricity Transmission Company Limited

Kenya Electricity Transmission Company Limited (KETRACO), hereinafter called "Employer", has applied for funds from the Agence Française de Développement (AFD) toward the cost of the Reinforcement of Electricity Transmission Network (RETNET), and it intends to apply part of the funds to payments under the contract for EPC (Engineering, Procurement and Construction) of the National System Control Centre (NSCC). The Employer intends to prequalify firms for design, construction, installation and commissioning of NSCC. The NSCC will support the responsibilities and duties of the Employer as the future Kenyan Transmission System Operator (TSO). The TSO will be responsible for operation (including the coordination of maintenance) of the Kenyan transmission system and coordination of interchange and trading within the Eastern Africa Power Pool (EAPP).

The project will include, but not limited to, the following activities:

- design, installation and commissioning of NSCC SCADA/EMS (Supervisory Control And Data Acquisition / Energy Management System);
- design, installation and commissioning of OTS (Operator Training Simulator) at NSCC location;
- design, installation and commissioning of ECC (Emergency Control Centre) SCADA/EMS;
- design, installation and commissioning of CMMS (Computerized Maintenance Management System) at ECC location for KETRACO substations and lines; about 50 (fifty) substations and 3,000 (three thousand) kilometers of lines located on Kenya territory;
- design, installation, commissioning and integration to an APM/CMMS of the online condition monitoring systems for critical primary and secondary equipment to be monitored within the 50 substations;
- design and construction of NSCC building located in Nairobi area;
- design and construction of ECC building located at Suswa 220kV sub station in Kajiado county;
- design, installation, upgrade and commissioning of telecommunication network for realization of the NSCC functionality and other operational requirements;
- design, installation and commissioning of transmission substations RTU/SAS (Remote Terminal Unit/Sub-station Automation Systems) process upgrade to interface substations to the SCADA/EMS at NSCC/ECC, and to the CMMS at ECC; in total about one hundred (100) substations of which fifty (50) owned by other TNSP (Transmission Network Service Provider) located in Kenya;
- design, installation and commissioning of AGC (Automatic Generation Control) for selected Generators and associated RTUs/SASs;
- design, installation and commissioning of Wide Area Measurements Systems (WAMS) and associated Phasor Measurement Units (PMUs) at selected sub stations;
- Design, Installation and Commissioning of ICCP for connection to Local and Regional Control Centres;
- design, installation and commissioning of secure power supplies, CCTV, etc. for NSCC and ECC;
- training for NSCC (SCADA/EMS) and ECC (CMMS) staff;
- post commissioning support and spare parts supplying.

Duration of EPC is expected to be four (4) years:

Interested eligible Applicants may obtain further information from and inspect the prequalification documents at the address below between 8.00am to 4.00pm East African Time (EAT). The complete set of the prequalification templates and guidelines documents in English may be free downloaded by interested Applicants on the Employer website and dg market.

Senior Manager, Power Management
Attn: Eng. Henry Odedeh
Kenya Electricity Transmission Company Limited (KETRACO)
5th Floor, Kawi Complex, Block B
Popo Road, off Red Cross Road, South C
P.O Box 34942 – 00100
Nairobi, Kenya.
Email: hodedeh@ketraco.co.ke; gngugi@ketraco.co.ke

Applications for prequalification should be submitted in sealed envelopes, delivered to the address below by **11th June, 2019, at 10.00am East African Time (EAT)** and be clearly marked Application to **"Prequalify for EPC of the National System Control Centre"**; Tender Number **KETRACO/PT/006/2019"**.

Senior Manager, Supply Chain Management
Kenya Electricity Transmission Company Limited (KETRACO)
2nd Floor, Kawi Complex, Block B
Popo Road, off Red Cross Road, South C
P.O Box 34942 – 00100
Nairobi, Kenya.

SENIOR MANAGER, SUPPLY CHAIN MANAGEMENT