



"Building a World Class National Grid"
KENYA ELECTRICITY TRANSMISSION COMPANY LTD.

**SENIOR ENGINEER POWER SYSTEM PROTECTION – KET 5 REF:
KET/5/1C/40/151/VOL II – B (PERMANENT & PENSIONABLE)**

Reporting to the **Manager, Overhead Lines.**

Job Purpose

The successful candidate will be responsible for designs, installs, tests and maintains of sound, safe, secure, reliable and stable power system control and protection system to ensure achievement of a robust and reliable transmission network.

Key Responsibilities;

- i). Participating in the formulation of detailed system protection plans, processes, and procedures for Division staff to use and abide by as they perform their duties;
- ii). Ensuring quality controls and compliances to relevant standards;
- iii). Implementing policies and programmes on system protection and control systems;
- iv). Proposing for improvement and or review of standards and specifications on power system protection arising from the operations of the transmission grid protection systems and philosophies.
- v). Ensuring maintenance of required standards on high voltage AC and high Voltage DC protection and control system is carried out when due;
- vi). Ensuring effective protection of transmission and distribution equipment to support continuity of service and maintain stability of the transmission system and the Interconnectors at 99.5% availability;
- vii). Implementing seamless protection system between the interconnectors that guarantees the operation of the interconnectors as per interconnection grid codes;
- viii). Coordinating design, installation, testing and commissioning of modifications and extensions of protection and control schemes in existing transmission substations as per approved method procedures and instructions;
- ix). Ensuring control and protection drawings are updated and accurate;
- x). Developing specifications for equipment, tools, test kits and material used in power systems protection for procurement
- xi). Coordinating connection, testing and commissioning of new energy meters in the transmission system

- xii). Preparing reports on the status of system protection and control system for both HVAC and HVDC;
- xiii). Preparing annual work plans for protection and control systems maintenance works and schedules protection and control systems equipment unplanned maintenance and outages;
- xiv). Leading in undertaking corrective and planned repairs and maintenance on protection and control systems for the transmission network;
- xv). Participating in performing switch operations and isolations as per procedures and instructions during the commissioning and operational phases
- xvi). Analyses power system faults and evaluation of such failures in the transmission network and provides report with recommendations for improvement of the transmission grid stable operations.
- xvii). Participating in implementing condition monitoring of substations control and protection equipment in order to ensure monitoring of their health working conditions.
- xviii). Providing technical support to other sections within system operation and power management directorate with regards to system protection issues
- xix). Performing protection coordination studies and calculations of system currents and voltages under abnormal and fault conditions in order to determine suitable protection and control relay settings for both HVDC and HVAC systems to ensure improved operation of the transmission grid.
- xx). Maintaining an inventory and keeping custody of tools and spares required for power system protection section.
- xxi). Implementing technological innovations that enhance efficiency and stability of power system protection for the transmission grid
- xxii). Leading periodic audit of the protection and control systems and recommend overhaul and or replacement of faulty and redundant systems
- xxiii). Coordinating and supervising system protection and control systems maintenance teams.

Qualifications & Skills required

- i). A Bachelor's degree in Electrical Engineering from a recognized institution
- ii). Must be a Registered Professional with EBK;
- iii). Must be a member with a valid practicing licence with to IEK;
- iv). Supervisory Course lasting not less than two (2) weeks from a recognized institution
- v). A minimum of six (6) years relevant work experience.;

Working conditions - Office setting and field setting

MANDATORY REQUIREMENTS FOR ALL POSITIONS

Applicants MUST provide the following documents on application:-

- i). A Signed application letter;

- ii). A detailed Curriculum Vitae indicating current and previous employers, positions held, level of education, current and expected salary, notice period required to take up appointment and names of at least three professional referees;
- iii). Copies of academic and professional certificates; and
- iv). Copy of National Identification Card or Passport.

Important Information to note:

- i). Candidates should provide all the details requested for in the advertisement. It is an offence to include incorrect information in the application;
- ii). Only shortlisted and successful candidates will be contacted;
- iii). Canvassing in any form will lead to automatic disqualification;
- iv). Shortlisted candidates shall be required to produce originals of their National Identity Card, academic and professional certificates during interviews; and
- v). It is a criminal offence to present fake certificates/documents.

Only Successful candidates will be expected to present the following Chapter Six Clearance Certificates : -

- a) Valid Certificate of Good Conduct from the Directorate of Criminal Investigations;
- b) Valid Clearance Certificate from Higher Education Loans Board (HELB);
- c) Valid Tax Compliance Certificate from Kenya Revenue Authority (KRA);
- d) Current Clearance from the Ethics and Anti-Corruption Commission (EACC); and
- e) Current Report from an approved Credit Reference Bureau (CRB).

The Company is an Equal Opportunity Employer and is committed to implementing the provisions of the Constitution – Chapter 232 (1) on fair competition and merit, representation of Kenya’s diverse communities and affording equal employment opportunities to men and women, members of all ethnic groups and persons with disabilities. **THEREFORE, PEOPLE WITH DISABILITIES, THE MARGINALIZED, THE MINORITIES AND FEMALE CANDIDATES ARE ESPECIALLY ENCOURAGED TO APPLY.** Applications without the relevant qualifications, copies of documents/details as sought for will not be considered. Any form of canvassing and giving false information shall lead to automatic disqualification. *Only shortlisted candidates shall be contacted.*

Interested candidates fulfilling the required qualifications should submit their application clearly indicating the position applied for and vacancy Reference No. as the subject heading via the **joblink** posted on KETRACO website.

NOTE: These positions are open to **KENYAN Citizens ONLY.**

The successful candidates for the positions will be offered competitive remuneration package in accordance with the Company guidelines. Candidates who meet the above

requirements should submit their applications by **16th October 2023** at 5.00pm so as to reach:-

**The Managing Director,
Kenya Electricity Transmission Company Limited,
KAWI COMPLEX, 4th Floor,
Popo Road, South C, along Red Cross Road,
P.O. Box 34942 – 00100,
NAIROBI.**

Hard copy **MUST** be sent via post office, courier or hand delivered to our offices in KAWI House, on 3rd Floor, Human Resource Office. Further, candidates **MUST** fill an online form on our website.