



“Building a World Class National Grid”

KENYA ELECTRICITY TRANSMISSION COMPANY LTD.

INTRODUCTION

The Kenya Electricity Transmission Company Limited (KETRACO) is a 100% state-owned corporation incorporated on 2nd December, 2008 under the Company's Act, Cap 486 as a State Corporation pursuant to the Sessional Paper No. 4 of 2004 on Energy. The Mandate of the Company is to plan, design, construct, own, operate and maintain high voltage electricity transmission grid and regional power interconnectors.

KETRACO's Vision is to be a world-class electricity transmission company and the leading interconnector in Africa. The Mission of the Company is to provide reliable, efficient and effective electricity transmission and promote power trade for sustainable socio-economic development.

The Company invites applications from suitable individuals to fill the following positions: -

ENGINEER TRANSMISSION SYSTEM PLANNING (CIVIL) – (KET 6) ONE (1 POSITION) REF: KET/5/1C/40/201/VOL I – B (12/23) ON PERMANENT & PENSIONABLE TERMS

Reporting to the **Senior Engineer, Transmission System Planning.**

Job purpose

This Job is responsible for undertaking transmission system planning, preliminary design, system studies, and project development and monitoring & evaluation activities aimed at power transmission system reinforcement, power evacuation and increased electricity access: leading to the establishment of a world class power transmission grid comprising of robust, reliable, efficient and cost-effective high voltage.

Key Responsibilities;

- i. Undertaking transmission system planning, preliminary design, system studies, project development and monitoring & evaluation activities aimed at power transmission system reinforcement, power evacuation and increased electricity access: leading to the establishment of a world class power transmission grid comprising of robust, reliable, efficient and cost-effective high voltage power transmission national grid and regional interconnectors.
- ii. Participating in carrying out detailed power system studies for short, medium- and long-term planning, network stability analysis and also prior to commissioning of critical components of the transmission systems.

- iii. Undertaking power system modelling for current and future national power transmission grid and regional interconnectors.
- iv. Assisting in the preparation and updating of standard technical design specifications for substations and transmission lines.
- v. Drafting Terms of Reference (ToRs) for upcoming projects and consultancies to ascertain scope of assignment, qualification of consultants, project deliverables and project schedules.
- vi. Undertaking project pre-feasibility studies reports that provides preliminary viability of a project, and evaluate the necessity of full feasibility study.
- vii. Undertaking preparation of project feasibility study reports that provides transmission line preliminary route selection, preliminary environment loadings, substation location and feasibility level cost estimates, conductors and structural types, conceptual design criteria to establish the project viability.
- viii. Proposing activities for inclusion in the work plan
- ix. Assisting in the preparation of project budgets
- x. Drafting technical advice for communication with external stakeholders.
- xi. Participating in review of project concept notes and proposals for Public Private Partnership (PPP), Private Initiated Investment Projects (PIIP) and Development Finance Institutions (DFIs).
- xii. Drafting technical report on suitability of substation land scoping for planned projects
- xiii. Participating in undertaking conceptual/preliminary civil and conceptual/preliminary electrical designs, preparation of drawings and estimation of quantities for transmission lines and substations projects.
- xiv. Participating in preparing bidding documents to ascertain the scope of work, specifications, technical data sheets, preliminary drawings, bill of quantities, bidders' technical qualifications and evaluation criteria for planned projects.
- xv. Participating in the tender evaluation process to provide technical expertise.
- xvi. Participating in the review of energy sector planning documents such as the Integrated National Energy Planning Framework.
- xvii. Participating in updating transmission plan section in Least Cost Power Development Plan (LCPDP) and its Medium Transmission Plan (MTP).
- xviii. Participating in adhoc committees in KETRACO and within the energy sector both nationally and regionally.
- xix. Undertaking research and innovates on environmental conditions and loading, materials, equipment, and systems and communicates research findings for implementation and adoption in other forums.
- xx. Participating in the development and updating of the Ketraco Transmission Master Plan (TMP) to inform the capital expenditure requirements, timelines and sequencing of power transmission infrastructure.
- xxi. Assisting in the preparation of system studies, transmission planning and project development reports.
- xxii. Participating in the preparation of templates and for the collection of baseline data and performance data to enable the analysis of outcomes and impacts for power transmission projects.

- xxiii. Participating in the identification of power consumers from whom collection of baseline data and performance data to enable the analysis of outcomes and impacts for power transmission projects.
- xxiv. Participating in the collection of baseline data and performance data to enable the analysis of outcomes and impacts for power transmission projects.
- xxv. Participating in the implementation of the relevant risk mitigation and management activities in transmission system planning.
- xxvi. Participating in the implementation of ISO systems within the section.
- xxvii. Participating in the review of consultant designs and reports.
- xxviii. Preparing payment certificates for consultancy works.
- xxix. Preparing payment certificates for renewal of software maintenance licenses and subscription to corporate membership in professional bodies and societies IEEE and CIGRE.
- xxx. Participating in financier mission on the preparation of project appraisal documents for new projects to facilitate finalization of project finance.
- xxxi. Participating in preparation of the project log frame, data and indicators for submission to potential financiers.

Qualifications & Skills required

- i). Bachelor's degree in Civil Engineering from a recognised institution.
- ii). Graduate Member of EBK or IEK;
- iii). **Must have** of a minimum of three (3) years relevant work experience.

Working condition - Office setting and field visits

<https://forms.gle/7CVqLTHnCEATksCg6>

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 January 2024** 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.**

Please note that applications will ONLY be via joblink, hard copies shall not be considered. Indicate the position reference number as the subject heading candidates MUST fill an online form on our website.