



## **CAREER OPPORTUNITIES**

Applications are invited from interested and qualified persons for the following vacancies in The Kenya Power & Lighting Company PLC.

### **1. SENIOR GEOGRAPHIC INFORMATION SYSTEM (GIS) EXPERT/ ENGINEER -1 Post**

**Job Ref: HR: KP1/5B.2/1/3/1227**

Reporting to the Chief Engineer, Facilities Database (FDB), the GIS Expert will be responsible for collecting, analysing and distributing Geospatial information ;maintenance of geospatial data management; timely availability of digitized drawings and GIS information; system operation efficiency and efficient network development; providing support and expertise in the development of the Company's GIS capabilities to meet strategic objectives.

The key tasks & duties for the position include;

- Create and maintain multiple geospatial databases.
- Provide Geospatial information to Engineers for use in network operations and maintenance.
- Design and edit GIS data for numerous projects and ensure alignment of data with Company standards.
- Data base management for the storage of aerial photographs, maps, digital data bases and collateral source materials
- Draw, scribe, digitize and scan cultural, topographic, hydrographic and/or other features on overlay/scribing surfaces or in digital formats.
- Perform digital manipulation of topographic information by querying, viewing, evaluating and downloading digital data.
- Formulate Geographic Information Systems (GIS) requirements.
- Design, program, or model Geographic Information Systems (GIS) applications or procedures.
- Develop specialized computer software routines, internet-based Geographic Information Systems (GIS) databases, or business applications to customize geographic information.
- Provide technical expertise in Geographic Information Systems (GIS) technology to clients or users.
- Develop sustainable systems of collecting and managing data points.
- Develop computer programming, data analysis, or software development for Geographic Information Systems (GIS) applications, including the maintenance of existing systems or research and development for future enhancements.
- Make recommendations regarding upgrades considering implications of new or revised Geographic Information Systems (GIS) software, equipment, or applications.

#### **Job Specifications:**

- Bachelor's Degree in Engineering, GIS, Geospatial Science, or a related field.
- Seven (7) years working experience in GIS in design, development, deployment and support of ArcGIS solutions overseeing large-scale geospatial data infrastructures. Additionally, he/she should demonstrate a strong grasp of platform integration.

- The candidate must demonstrate a Proven experience and strong comprehension of the ESRI ArcGIS suite, encompassing the following specific components: GIS Server (required), GeoEvent Server, GeoAnalytics Server, Portal (required), WebAppBuilder (required) and ArcGIS Enterprise and the ArcGIS Online environment
- The ideal candidate should possess a thorough understanding of workforce management, reporting, and productivity tools, particularly within a large and high-activity environment, knowledge in a utility company will be an added advantage.
- The candidate should have a background in implementing GIS workflows for repetitive tasks, remote workforce management, and the design and execution of advanced reporting tools.
- Pertinent certificates in fields such as in ArcGIS, data science, spatial analytics, data transformation using BIMs, as well as proficiency in programming languages like Python, R, and JavaScript will be an added advantage
- Experience with Python and developing REST APIs with Python
- Ability to create, edit, and analyze Geospatial data.
- Experience with Geodatabase design and management.
- Experience with ArcGIS Enterprise setup, configuration and administration.
- Strong understanding of Cartographic principles and map design.
- Knowledge of remote sensing techniques and satellite imagery analysis.
- Familiarity with Global Positioning System (GPS) technology and data collection.
- Expertise in spatial data manipulation, transformation, and projection.
- Knowledge of QGIS is an added advantage
- Having the capacity to enhance internal capabilities through training, mentoring, and team leadership skills will be considered an additional advantage.

#### **Key Competencies:**

- Geospatial Data Management and IT skills.
- Coding and programming skills
- Scripting tools such as Java, Python, PHP
- Problem-Solving skills
- Project Management skills
- Leadership, training, mentoring and Team building skills
- Analytical and Strategic thinker
- Creativity and innovation
- Communication and Negotiation Skills

#### **2. GEOGRAPHIC INFORMATION SYSTEM (GIS) EXPERT/ ENGINEER – 1 Post** **Job Ref: HR: KP1/5B.2/1/3/1228**

Reporting to Senior GIS Expert, FDB, the GIS Expert will be responsible for collecting, analysing and distributing Geospatial information relevant; maintenance of geospatial data management; timely availability of digitized drawings and GIS information; system operation efficiency and efficient network development; providing support and expertise in the development of the Company's GIS capabilities to meet strategic objectives.

The key tasks & duties for the position include;

- Extract geographic data from satellite imagery, aerial photography and field reconnaissance.

- Create geographic data and compiling them into maps.
- Create and maintain multiple geospatial databases.
- Draw, scribe, digitize and scan cultural, topographic, hydrographic and/or other features on overlay/scribing surfaces or in digital formats.
- Provide geospatial information to infrastructure development and maintenance Engineers for use in network operations and maintenance.
- Data base management for the storage of aerial photographs, maps, digital data bases and collateral source materials
- Perform digital manipulation of topographic information by querying, viewing, evaluating and downloading digital data.
- Assist users in formulating Geographic Information Systems (GIS) requirements or understanding the implications of alternatives.
- Design, program, or model Geographic Information Systems (GIS) applications or procedures.
- Develop specialized computer software routines, internet-based Geographic Information Systems (GIS) databases, or business applications to customize geographic information.
- Provide technical expertise in Geographic Information Systems (GIS) technology to clients or users.
- Develop computer programming, data analysis, or software development for Geographic Information Systems (GIS) applications, including the maintenance of existing systems or research and development for future enhancements.

#### **Job Specifications:**

- Bachelor's Degree in Engineering, GIS, Geospatial Science, or a related field.
- Five (5) years working experience in GIS which two (2) must be in design, development, deployment and support of ArcGIS solutions.
- Pertinent certificates in fields such as in ArcGIS, data science, spatial analytics, data transformation using BIMs, as well as proficiency in programming languages like Python, R, and JavaScript will be an added advantage
- Proven experience working with ArcGIS software and geospatial data management.
- Ability to create, edit, and analyze Geospatial data.
- Experience with Geodatabase design and management.
- Experience with ArcGIS Enterprise setup, configuration and administration.
- Understanding of Cartographic principles and map design.
- Knowledge of remote sensing techniques and satellite imagery analysis.
- Familiarity with Global Positioning System (GPS) technology and data collection.
- Knowledge of scripting languages.
- Expertise in spatial data manipulation, transformation, and projection

#### **Key Competencies:**

- Technical Certifications, Geospatial data management and IT skills.
- Problem-Solving skills
- Project Management skills
- Team building skills
- Analytical thinker
- Creativity and innovation

- Communication and Negotiation Skills

### **HOW TO APPLY**

Interested persons should submit their applications **online** through **visiting Kenya Power website** on <http://www.kplc.co.ke>. Attach detailed Curriculum Vitae, copies of academic and professional certificates and other testimonials. Please note that we may use this information to conduct background verification during the recruitment process. Quote the title of the position you are applying for and include your mobile telephone contact and email address and to be received not later than **Tuesday, 21<sup>st</sup> November 2023**.

**Only candidates offered employment shall present the following clearance certificates;**

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

**Canvassing will lead to automatic disqualification.**

**Kenya Power is an Equal Opportunity Employer.**

Kenya Power does not charge any fee at any stage of the recruitment process (*application, shortlisting, interviewing, and/or offer*)