

Violet Kavindu Kaswii | Electrical Engineer

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PERSONAL BACKGROUND

Date of Birth: 1st January, 1987
Nationality: Kenyan
Language proficiency: English and Swahili

SUMMARY

Electrical Engineer with four years' experience working in the Kenya energy sector where I am involved in planning, design and implementation of High Voltage energy projects.

KEY EXPERIENCE

Electrical Engineer, Power System Planning and Design

2014- Present

Kenya Electricity Transmission Company (KETRACO)

- Planning for power transmission projects in Kenya within the Least Cost Power Development Plan committee.
- Planning for transmission expansion within KETRACO and development of the Transmission Master Plan.
- Analysis and review of contractor's transmission line and substation design within the Olkaria-Lessos-Kisumu transmission line project.
- Scheduling of supervision and inspection works for the Olkaria-Lessos-Kisumu project.
- Preparation of contractor payment documentation and payment process initiation in SAP.
- Undertook factory acceptance tests for major substation equipment including overhead line conductor, Insulators and fittings for 500KV HVDC transmission line.
- Preparation of technical specifications, contract documents and costing of various operations that go into the design and construction, of transmission network infrastructure.
- Development of the KETRACO Safety and Health manual and standards within the OSH committee.
- Monitoring and evaluation of ongoing transmission line and power generation projects within the Least Cost Power Development Planning Committee.

Project Engineer

2013- 2014

ARM Company Limited

- Installed and commissioned 220/132kV Rabai substation.
- Installed and commissioned 11/132kV Athiriver Medium Speed Diesel power station switch yard.

EDUCATION

Master of Science in Electrical Engineering

2018- 2019

Jomo Kenyatta University of Agriculture & Technology

Thika, Kenya

Focus: Advanced course on Power Systems with focus on new technologies to tackle existing network challenges.

Bachelor of Engineering (First Class Honours)

2007- 2012

Moi University,

Eldoret, Kenya

Focus: Power Systems

TRAININGS & SKILLS

- **August 2018** Power System steady state, dynamic and contingency analysis training using Dig SILENT software in Nairobi.
 - **June, 2018** Transmission line design training using PLS-CADD software in
 - **June 2016** Power System steady state, dynamic and contingency analysis using PSS/E software training in Nairobi.
 - **November, 2014 to January 2015** Power system transmission system training by Powergrid Corporation of India.
 - MATLAB & basic python programming.
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ACHIEVEMENTS

- Organized a team to assess the most economic cost for construction of transmission lines and substations based on previous projects in my organization.
- Guest judge at Moi University School of Engineering technology students' projects showcase.
- Mentor at Teule Kenya
- Member of the YALI network of mentors

REFERENCES

- Eng. Dr. John Mativo,
Technical Advisor to the MD,
Kenya Electricity Transmission Company,
P.O Box 34942-00100, Nairobi.
E-mail: jmativo@ketraco.co.ke
Relationship: Manager

- Dr. George Kimani Irungu,
Chairman, Electrical & Electronics Engineering Department
Jomo Kenyatta University of Agriculture & Technology,
P.O Box 62000-00200, Nairobi
E-mail: girungu@jkuat.ac.ke
Relationship: Postgraduate Lecturer

- John Kennedy Malika,
Electrical Engineer,
Kenya Electricity Transmission Company,
P.O Box 34942-00100, Nairobi.
E-mail: jmalika@ketraco.co.ke
Relationship: colleague & civil servant representative.