# **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.

**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](mailto: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](mailto:girungu@jkuat.ac.ke)

Relationship: Postgraduate Lecturer

* Anthony Musyoka

Senior Manager, Planning and Project Development

Kenya Electricity Transmission Company,

P.O Box 34942-00100, Nairobi.

E-mail: [amusyoka@ketraco.co.ke](mailto:amusyoka@ketraco.co.ke)

Relationship:  Manager.