

# **CURRICULUM VITAE**

**Christine Nanjala Mauka**

## **Personal details**

---

**GENDER:** FEMALE

**DATE OF BIRTH:** 21/06/1984

**NATIONALITY:** KENYAN

**RELIGION:** CHRISTIAN

**MARITAL STATUS:** MARRIED

**CONTACT:** 0712308116

**EMAIL:** [cmauka399@gmail.com](mailto:cmauka399@gmail.com) or [cmauka@ketraco.co.ke](mailto:cmauka@ketraco.co.ke)

## **Career Objective**

---

To be the best Power System Engineer

## **Academic Qualifications**

---

**2018-2020:** UNICAF UNIVERSITY OF ZAMBIA

MBA Business Management (Ongoing)

**2004-2009:** UNIVERSITY OF NAIROBI

Bsc. Degree in Electrical and Electronics Engineering

Attained: Second class Honors (Upper division)

**1999-2002:** LUGULU GIRLS' HIGH SCHOOL

Sat KCSE in 2002 and attained Mean Grade A-

**1993-1998:** WABUKHONYI S.A PRIMARY SCHOOL

Sat KCPE in 1998 and attained 523/700 marks

**1989-1992:** NALONDO R.C PRIMARY SCHOOL

## **MEMBERSHIP**

- Graduate Member of Engineers Board of Kenya (EBK)
- Graduate Member of Institute of Engineers of Kenya (IEK)

## **WORK EXPERIENCE**

---

### **Kenya Electricity Transmission Company Ltd**

**Position: Substation Electrical Plant Engineer** (August 2019 to date)

- I. Duties and responsibilities
- II. Carry out routine Inspection of substation equipment
- III. Condition monitoring of substation equipment
- IV. Scheduling of Primary and Auxiliary Equipment maintenance and outage planning
- V. Undertaking Repairs and Maintenance of substation primary and auxiliary equipment
- VI. Preparation of workplans for substation maintenance works
- VII. Performing switching operations and isolations as per approved procedures
- VIII. Investigating system faults, disturbances, failures and correction of the same
- IX. Inspection of completed substation projects and participating in commissioning
- X. Any other duties as assigned

**Position: Electrical Engineer II** (Dec.2013 -July 2019)

Duties and responsibilities

- ✓ Undertaking Design and Design Reviews of transmission line and substations
- ✓ Preparation of Tender and contract documents
- ✓ Tender evaluation for India funded Projects and Mariakani substation
- ✓ Contract negotiation for India Funded Projects
- ✓ Preparation of internal monthly progress reports for the projects involved.
- ✓ Checking and validation of consultants' invoices
- ✓ Attending project progress meetings
- ✓ Supervising electrical works and monitoring project progress for 220kV Suswa substation, 132kV Sondu-Homabay -Awendo Transmission line and associated substations, 220kV Nairobi Ring Projects and 132kV Machakos- Konza, Isinya-Namanga Transmission line project and associated substations
- ✓ Coaching Graduate Trainee Engineers
- ✓ Assisting the Project Manager in project management
- ✓ Training University/college student engineers on industrial attachment.
- ✓ Witnessing Factory Acceptance tests (FAT) of major substation equipment.
- ✓ Other duties as assigned by Senior Manager Project Planning and development.

### **Other assignments**

- ✓ Involved in the IEC Young Professionals' Program of Kenya National Committee (KEBS)
- ✓ Involved in Technical committee (KEBS TC 085) for Electrical Lamps and Wiring and Accessories
- ✓ Member of KETRACO's HIV/ AIDs Committee
- ✓ ISO implementer for Planning and Development Department
- ✓ Trained Fast Aider

**Position: Graduate Electrical Engineer (Feb.2012-Dec.2013)**

Duties and responsibilities

- ✓ Preparation of Tender and contract documents
- ✓ Tender evaluation
- ✓ Contract negotiation
- ✓ Preparation of internal monthly progress reports for the projects that I was involved
- ✓ Checking and validation of consultants' invoices
- ✓ Attending and participating in design review for HV substations
- ✓ Attending progress report meetings
- ✓ Supervising electrical works and monitoring of project progress. substation
- ✓ Document management on SharePoint for Suswa substation project
- ✓ Witnessed Factory Acceptance tests (FAT) for major substation equipment

**Position: Trainee Electrical Engineer (Feb. 2011 to Feb. 2012)**

- ✓ 6months Training at different sections of Kenya Power
- ✓ 2.5 months training at Power Grid Corporation of India
- ✓ 3.5 months on the job training at KETRACO in contract management and basics of project management.

**2010: Spectrum Engineering Ltd**

Position: Trainee Engineer in Electrical and Telecommunication Engineering

Duties and responsibilities:

- ✓ RF Installation
- ✓ BTS Electrical Installation
- ✓ Mounting of BTS cabinets
- ✓ Purchasing and delivery of materials to sites
- ✓ Project implementation planning using planner tool
- ✓ Tracking of project progress using Electronic project management tool
- ✓ Checking and validation of project files and documentation
- ✓ Issuance of cash to projects and doing financial analysis

**2008: Sher Karuturi Company Ltd**

Position: Industrial attachment

Duties and responsibilities:

- ✓ Repair of overhead 3ph systems
- ✓ Repair of underground distribution 3ph systems
- ✓ Installation of 3ph parts
- ✓ Domestic installation and general machine maintenance

**2006: Kenafric Industries Ltd**

Position: Industrial attachment

Duties and responsibilities:

- ✓ Maintenance of the following machines: boilers, chillers, footwear machines, auto sealers, mechanical sealers and gum machines

- ✓ Repair and maintenance of electric kettles, sockets and extension

## **TESTING OF MAJOR SUBSTATION EQUIPMENT**

---

I have witnessed Factory Acceptance Tests for the following substation equipment and Transmission lines:

- 40Mvar Reactor at Suswa Substation
- 90 MVA, 220/132kV Power Transformer at Isinya Substation
- 23Mva Power Transformer at Kindaruma and Mwingi Substations
- Instrument Transformers 132/33kV Machakos, Konza, Isinya and Namanga substations
- DC Filter Capacitors for Converter Station
- Instrument Transformers Ndhiwa and Awendo Substations
- 220kv ACSR Starling Conductor for Turkwel-Ortum -Kitale Transmission Line Project
- OPGW And OPGW Fittings for Lot 6 Ethiopia-Kenya Project
- Insulators & Fittings For 132kv Isinya-Namanga Transmission Line

## **OTHER EXPERIENCE**

---

Sept.2010-Jan.2011: Taught at New Dawn High School

2009: Taught at the Esther Girls' High School

2007: Worked with ECK as a Registration Clerk during the General Elections

2005: Worked with Electoral Commission of Kenya (ECK) as a Registration Clerk during the Referendum

2003-2004: Worked as a Flower Grader at Shalimar Flowers K. LTD (NAIVASHA)

## **TRAINING**

---

- ✓ HVDC training by Alstom Grid
- ✓ HVAC and HVDC Training at Power Grid Corporation of India
- ✓ Power system studies, voltage and frequency control training by NEXANT company
- ✓ HVAC transmission line Design at TEIAS (Turkey)
- ✓ HVAC Transmission line Design at Grupo Alta Tension (Spain)
- ✓ JICA Training on Electric Power Systems (2018)
- ✓ Training on Transmission line Design at KEC International (India)
- ✓ Substation Design at Shyama Power India Limited

## **SEMINARS AND WORKSHOPS**

---

- ✓ IEK seminar on Professional Interview Papers (2012)
- ✓ HIV/AIDS and Drug Abuse & substance workshop
- ✓ Workshop on Persons with disabilities
- ✓ First Aid Training at St. John's Ambulance and KETRACO
- ✓ Attended Institution of Engineers conference in Kisumu (2013)
- ✓ Attended IEC Young Professionals' Workshop in New Delhi in 2013
- ✓ Power System Operation and Maintenance (2015)

## **GAMES, SPORTS AND CLUBS**

---

- ✓ Athlete-PRIMARY SCHOOL
- ✓ Hand ball player-HIGH SCHOOL
- ✓ Drama -PRIMARY SCHOOL
- ✓ Science-HIGH SCHOOL
- ✓ Wild life and Tourism- HIGH SCHOOL

## **HOBBIES**

---

- Travelling
- Singing and listening to music
- Playing Piano

## **REFEREES**

### **1. DR. CYRUS WEKESA**

OCCUPATION: Lecturer at University of Nairobi

POSTAL ADDRESS: P.O Box 8764, 00100 GPO, Nairobi

CONTACT: 0720888809

EMAIL: [cyrus\\_wekesa@yahoo.com](mailto:cyrus_wekesa@yahoo.com)

### **2. ALEX OTENG'E OMUSE**

OCCUPATION: Electrical Engineer at Gedox Consultants

POSTAL ADDRESS: P.O Box 28901- 00100, Nairobi.

CONTACT: 0725783197

EMAIL: [alex.omuse@gmail.com](mailto:alex.omuse@gmail.com)