**CURRICULUM VITAE**

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| **Ronald Reagan Khamala Mudenyo** | | |
| **Date of Birth** | | 6th January 1989 |
| **Contacts** | | Phone: 0724064972  Email: [reagmudenyo@yahoo.com](mailto:reagmudenyo@yahoo.com) |
| **Relevant years of experience** | | 5 years |
| **Key Proffessional qualifications** | | Bachelor of Engineering, Civil & Structural Engineering |
| **Membership of Professional Bodies** | | Engineer’s Board of Kenya (EBK) B8952  Institution of Engineers of Kenya (IEK) G7150 |
| **EDUCATION** | | |
| 2016 to Date: Master of Science (Msc) in Civil Engineering, *University of Nairobi*  2008 – 2013: Bachelor of Engineering (BEng.) in Civil & Structural Engineering,  *Moi University* 2**nd Class Honours (Upper division)**  2003- 2006: Kenya Certificate of Secondary Education (KCSE),  Musingu *High School* Attained **Mean Grade A (Plain)**  1995 – 2002: Kenya Certificate of Primary Education (KCPE),  *Mumias Central Primary School*  Attained **430 out of 500** **marks** | | |
| **PROFESSIONAL EXPERIENCE** | | |
| October 2014 - Date | **Kenya Electricity Transmission Co. Ltd (KETRACO)**  Position held: **Assistant Civil Engineer**  Involved in the following projects:   1. ***400kV Suswa – Isinya Transmission Line Project****:* This project involved construction of 100km 400kV Suswa-Isinya transmission line.   My tasks included:   * Review of structural design calculations and drawings for towers (pylons) and foundations submitted by the Contractor * Site supervision of construction works to completion (foundation works, tower erection and stringing of conductors on pylons) * Joint measurement of works done by contractor and verification of interim payment certificates. * Evaluation of contractor’s claims and checking of variation in prices and quantities during contract implementation.   ***2. 500kV HVDC Ethiopia-Kenya Power Interconnection Project (EKPIP) -*** This project involves construction of a 500Kv HVDC Overhead Transmission line from Ethiopia Border to Log-Logo (Kenya).  My tasks included:   * Review of design calculations and drawings for foundations and towers submitted by the Contractor * Tower prototype testing (suspension and tension towers) against ultimate design loads * Supervision of construction works (substation civil works, tower foundations, tower erection and stringing)   ***3. Feasibility Study, Assignment 3* on priority projects**  It involved feasibility study for 220kV Malindi – Kilifi TL, 220kV Malindi - Galana TL, 132kV Machakos – Mwala - Sarara, 132kV Mariakani/Dongo Kundu – Kwale transmission line projects.  I was involved in:   * Route survey and selection * Collection of data (terrain, soil conditions, climatic conditions) * Analysis of collected data and information * Preliminary design i.e. Outline drawings for transmission towers, classification of foundations and establishing substation layouts * Bid document and technical specifications preparation | |
| February –September  2014 | **Ngasi Consulting Engineers, Nairobi**  Position held**: Assistant Structural Engineer**  I was involved in Structural design & construction supervision of the following projects**: -**   1. ***Woodley Apartments, Nairobi* -** This was a 6-storey residential building consisting of parking and dwelling units. The structure was a reinforced concrete frame. I was involved in development of structural layouts and performed the structural analysis, design and detailing of the building. 2. ***Zinc Hotel, Kampala* -** This was a 9-storey hotel building located in Kampala, Uganda consisting of offices, hotel rooms and parking. The structure is a reinforced concrete frame. I was involved in development of structural layouts and in the structural analysis, design and detailing of the raft foundation. 3. ***Chestnut Hills Mall, Kampala* -** This was a proposed 4-storey shopping complex in Kampala, Uganda consisting of a supermarket, shops, offices, Cinema hall and parking. The structure was a reinforced concrete frame. It was to be constructed as a green building in accordance with the Green Building Council of South Africa (GBCSA). I was involved in development of structural layouts and in the analysis and design of the foundation. 4. ***Kilimani Office Block, Nairobi* -** This was a proposed 10-storey office block inclusive of two basements, ground floor parking and office spaces. The structure was a reinforced concrete frame**.** I performed structural analysis, design and detailing of the beams. | |
| **PROFESSIONAL TRAININGS AND WORKSHOPS** | | |
| 1. Participated in a Workshop on ***Technical Introduction to Structural Eurocodes*** by KEBS, Moi University, Vrije Universiteit Brussel (VUB), Belgium and DelFT University of Technology (DUT), Netherlands held on 19th to 20th May 2016, Mombasa, Kenya. 2. Attended 1-week workshop on Principles of ***Substation Design and Construction Training*** (30 PDUs earned) held on 3rd to 7th December 2018 by Viscar Industrial Capacity Ltd at EKA Hotel, Nairobi. 3. Attended a 6-Week Training Course on ***Electrical & Civil Design of Transmission Lines*** held on 26th June to 1st August, 2018 by KEC International in Mumbai, India. 4. Attended a workshop on ***Project Planning Tools and Implementation*** held on 23rd Oct to 3rd Nov, 2017 by ESAMI. 5. Attended a 2-week Training Course on ***Basic Design of Transmission Lines*** held on 1st to 12th August 2016 by Lahmeyer International, Gmbh, Frankfurt, Germany. 6. Attended 2-Week Training course on ***Use of PLS Transmission Line Design and PLS CADD Software*** held in Frankfurt, Germany on 18th to 29th July 2016 by Power Line Systems Inc, USA. 7. Attended Institution of Engineers of Kenya (IEK) Seminar on ***Preparation for Professional Interviews***, on 9th May 2015. 8. 10-Week Training Program for Graduate Trainees on ***Introduction to Overhead Transmission line and Substations***, Power Grid Corporation of India, 3rd Nov to 9th Jan 2015. | | |
| **SKILLS** | | |
| 1. **Design:**  * Excellent Skills in PLS Tower, PLS CADD, PLS Pole, AutoCAD, PROKON, STAAD Pro and Master Series Softwares. * Proficiency in structural design and detailing using British Standards (BS), Eurocodes (EN) Standards, IEC and ASCE.  1. **Contract Management** – As per FIDIC Conditions of Contract (Red book, Yellow, Silver) 2. **Computing:** Excellent knowledge of MS Word, MS Excel, MS Publisher and MS Access. 3. **Languages:** Excellent English and Swahili (Written & Spoken) | | |
| **INTERESTS** | | |
| * Science and Technology * Travelling and exploring. * Sports and recreation. | | |
| **REFEREES** | | |
| Eng. Nathaniel Matalanga,  Ngasi Consulting Engineers,  P.O. Box 2680 Nairobi,  Tel: 0722 520 722 ; Email: [info@ngasi.org](mailto:info@ngasi.org)  Eng. Paul Karara Ngunjiri,  Oville Associates,  Tel: +254 720 544 343; Email: [pkarara@gmail.com](mailto:pkarara@gmail.com)  Eng. Anthony Musyoka,  Kenya Electricity Transmission Co. Ltd,  Tel: 0722818865; Email: [amusyoka@ketraco.co.ke](mailto:amusyoka@ketraco.co.ke) | | |