



PATRICK PAUL MMASY

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PERSONAL PARTICULARS:

Date of Birth : 10th July, 2000

Nationality : Tanzanian

Sex : Male

Marital Status: Single

Residence : Dar es Salaam

Nationality : Tanzanian

EDUCATION BACKGROUND

2018-2021 **Ordinary Diploma in Renewable Energy Technology**
Dar es salaam Institute of Technology

2014-2017 **Certificate of Secondary School Education Level (CSSE)**
Dunda Secondary School

2009-2013 **Certificate of Primary School Education Level (PSE)**
Mwanamakuka Primary School

WORK EXPERIENCE

Winsol (T) Company Ltd

January, 2022-August 2024

Position: Electrical Technician

Duties and responsibilities:

- ✓ Project planning and management execution within a precise time and budget.
- ✓ Test electrical systems and continuity of circuits in electrical wiring, equipment and fixtures using testing devices such as multimeters and oscilloscope to ensure compatibility and safety of the system.
- ✓ Formulated surveys to gather customer feedback and improve sales technique.
- ✓ Proposal formulation, design, supply, installation and maintenance of Solar water Heating system as energy efficient saving way of heating water with low costs reference Saadani Safari lodge, international school of Tanganyika and Flomi hotel.
- ✓ Engineering design, commissioning, supply and install solar system and backup system for running commercial and residential appliances reference 84.48kWh Backup system for Eagle Africa Insurance Broker and East Africa, Backup system of 38.4kWh Energy storage for Twaweza Headquarters.
- ✓ Site assessment & analysis, energy auditing, report writing and installation of solar systems, water heating system and efficient cooking stove as electrification program for boarding schools in Kilimanjaro and Arusha under Little Sun and AAIDRO Organization.
- ✓ Design, supply, installation, maintenance and configuration of solar and backup systems projects reference: Grid Tie Solar system of 55.59kW at Dar es salaam International Academy (DIA), Solar system project of 40kW at Safari Saadani Lodge- Bagamoyo etc.

Baraka Solar Specialists Company Ltd (BSS)

January, 2021-January, 2022

Position: Electrical Technician

Duties and responsibilities:

- ✓ Prepared accurate cost estimation on equipment and system installation and maintenance.
- ✓ Coordinate goods and appliances delivery and installations.
- ✓ Negotiate profitable sales contracts to achieve revenue targets.
- ✓ Provide considerate sales aftercare for maintain client satisfaction.
- ✓ Built customer database of new and existing customers to boost client retention.
- ✓ Arrange regular meetings with clients to engage with new products and services.
- ✓ Bill of quantities and tender bid documents preparation for projects execution.
- ✓ Design, supply, installation, maintenance and configuration of solar and backup systems projects reference UNDP-Dar es salaam 227kWp hybrid solar project and Reliance Insurance backup project of 220kWh energy storage.
- ✓ Design and installation of solar streetlights and solar water pumping system for different sites includes Matipwili solar water pumping project and Msolwa car parking streetlight project.

Tanzania Broadcasting Corporation (TBC)

August, 2019-November, 2019

Position: Electrical Technician (Field)

Duties and responsibilities:

- ✓ Assemble, install, test and maintain existing and new electrical wiring system, equipment, appliances, apparatus and fixtures by using hand and power tools.
- ✓ Diagnose malfunctioning systems, apparatus and components using test equipment and hand tool to locate the cause of breakdown and correct the problem in order to ensure safety better performance (efficiency) and life span of device or system.
- ✓ Designed and install new electrical panels to increase safety and power factor which prevents against power loss.
- ✓ Conducted electrical maintenance and project report by considering inspection, tests results, reviews, installations and presented findings and way forward to Supervisor.
- ✓ Design, install and maintain cooling systems (air conditioning), generator and its auxiliary equipment's, battery backup system.
- ✓ Conduct energy auditing, assessment and provide a better solution for electrical system at TBC.

KEY SKILLS AND ABILITIES:

- ❖ **Communication skills:** Able to explain technical issues in way that approaches customer
- ❖ **Compassion:** Able to deal with customers who are extremely stubborn or distress
- ❖ **Detail oriented:** Keen observant with strong ability to focus during work execution
- ❖ **Emotional stability:** Able to work under pressure and remain calm in stressful situations
- ❖ **Patience:** Able to remain calm and tolerant when working with customer's or management

REFEREES

Eng. Said Mbemba
General Manager
Winsol Ltd
Mobile: 0715-827 532

Walter Mmassy
General Manager
Baraka Solar Specialists
Mobile: 0765-495 436

Eng. Hanaph Haphizi
Technical Expert
Chloride Exide
Mobile: 0745-482189