



## **Abel Bayani Domingo**

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Current address: Balagtas Cor Ipil st Marikina Heights Markina City

Permanent Address: Gonzales street, Baran Ballesteros Cagayan

City: Tuguegarao city, Philippines

Zip Code: 3516

Position Desire: ELECTRICAL TESTING /ELECTRICAL TECHNICIAN

Other Position: Any position related to my profession

### **BASIC INFORMATION**

Profession: Registered Master Electrician

Birth-Date: March 19, 1997

Age: 25 yrs.

Gender: Male

Civil Status: Single

Height (cm): 175

Weight (Kg): 70

Nationality: Filipino

Religion: Christianity- Church of Independence

Language: English,tagalog and ilocano

### **EDUCATION BACKGROUND**

Tertiary: Cagayan State University (2014-2018) ( Carig Campus, Tuguegarao City)

Secondary: Ballesteros National High School (2010-2014) ( Sta Cruz, Ballesteros Cagayan )

Elementary: Cabanabaan Elementary school (2004-2010) ( Baran Ballesteros Cagayan )

### **HIGHEST EDUCATIONAL ATTAINMENT**

Prof'l License Exam:

Electrical Engineering Examination ( Prof'l License of Registered Master Electrician )

College Graduate:

**College Degree ( Bachelors of Science in Industrial Technology Major in Electrical Technology )**

## **OBJECTIVES**

**To apply my knowledge regarding Electrical Technology and related works that would enhance my abilities and Skills serves as a guide towards improving my personal growth.**

## **QUALIFICATION**

- **PRC License Registered Master Electrician**
- **College Degree with DIPLOMA**
- **NC-2 CERTIFIED ELECTRICIAN with Certificate of competency**
- **CERTIFICATE OF TRADE TEST AS Electrical Technician CLASS-B**
- **4 YEARS Work Experience on Electrical Industries**
- **Have Knowledge for Testing and Commissioning**
  - (AC Dielectric Withstand Test)**
  - (AC VLF/DC High Potential Leakage Current Test)**
  - (CONTACT RESISTANCE TEST)**
  - (Circuit Breaker Analysis Test)**
  - (Insulation Resistance Test)**
  - (Instrument Transformer Test-CT/PT&CVT)**
  - (Transformer turns Ratio Test)**
  - (Transformer winding Resistance Test)**
  - (Insulation Power factor/Tan Delta Test)**
  - (Sweep Frequency Response Analysis)**
  - (Protection relay test and Calibration)**
  - (Battery Discharge & Quality Test)**
- **Handling different Types of Testing equipment**
  - (MEGGER, OMICRON, DV-POWER, METREL, PHENIX TECH,B2-HIGH VOLTAGE, TELDAR)**
- **Have enough knowledge on Wiring, installation and Troubleshooting on low voltage and medium voltage switchgear**
- **Have determination and critical thinking on work**
- **Self-Discipline and friendly**
- **Knowing Drive vehicles with driver license restriction 1,2**

## **WORKING EXPERIENCE**

**Position: ELECTRICAL TECHNICIAN/TESTING TECHNICIAN**

**Company: TAN DELTA ELECTRIC CORPORATION**

**Date period: October 28, 2021 at present**

## **DUTIES AND RESPONSIBILITIES**

- **Conduct Preventive Maintenance, Testing & Commissioning of High and low voltage substation equipment.**
- **Handling testing equipment by using OMICRON CPC-100, CIBANO-500, CMC-356, SFRA-FRANEO-800, CT ANALYZER, VLF-HVA120KV, DV-POWER-RMO-H, DV-POWER-TTR, CB-ANALYZER.**
- **Conduct testing & commissioning 170MVA TRANSFORMER power plant generation, Switchyard and Substations.**
- **Conduct testing of transformer turns ratio, winding resistance test, power factor/tan delta, tap changer analysis for dynamic resistance & AC Ripple test, oil test , SFRA and DIRANA.**
- **Predictive and corrective maintenance of medium voltage & low voltage switchgear, conduct circuit breaker timing and trip test, contact resistance, insulation resistance test.**
- **Conduct calibration and configuration of overcurrent protection relay & power meter using CMC-356 secondary injection protection relay test.**
- **Conduct HIPOT testing and VLF test on high voltage and medium voltage cable 34.5kv to 6.6kv using HVA120KV**
- **Conduct thermal imaging of medium and low voltage switchgear, transformers, electrical panels, and control panels.**
- **Conduct installation and troubleshooting control panels.**

**Position: INDUSTRIAL ELECTRICIAN**

**Company: ALTERNATIVE POWER SOLUTION INC.**

**Date period: February-2020 to September 2022**

**Duration: one (1.8) years**

## **DUTIES AND RESPONSIBILITIES**

- **Conduct Preventive Maintenance, Testing & Commissioning of Medium Voltage, Low voltage Switchgear and Transformers**
- **Handling testing equipment by using MEGGER TRAX, MEGGER DLRO200, full functional trip test kit(EATON, SCHNIEDER, ABB), 10KV MIT1025 insulation tester, SMRT46, MRCT and MEGGEER120KV HIPOT tester, transformer oil tester.**
- **Perform commissioning and testing such as circuit breaker contact resistance test, circuit breaker field test, circuit breaker trip test, capacitance test, insulation test, transformer field test-CT,VT,PT ,oil testing and Protection relay test.**
- **Installation power quality analyzer(PQA series-435)**
- **Conduct thermal scanning of electrical equipment such as low and medium voltage switcgear, padmounted transformer, panelboards, and control circuits by using E90 flir thermal scanner.**
- **Generate and evaluate thermal report by using flir software application.**
- **Evaluate thermal report such as loose contact, hotspot components, arching, leakage, unbalance current, corrosion.**
- **Wiring and installation ATS controller, power meter ,ACB control circuits, mechanical interlock and auxiliary contacts, CT/PT.**
- **Testing and Calibrating ACB,VCB, micro logic digital relay and overcurrent protection relays.**
- **Installing ACB Components,UVT,SHUT TRIP,SHUT RELEASE,charging motor,open and ,closing coil.**
- **Wiring and installation fire alarm system, lighting fixtures, convenience out,and panels.**
- **Cable pulling, termination, retrofitting,hauling of switchgear and VFI transformer,pad mounted transformer-2.5MVA-3.5MVA.**

**Position: ELECTRICAL TECHNICIAN& MAINTENANCE**  
**Company: (SOLENERGY SYSTEM INCORPORATION)**  
**Date period: September 11, 2019 – February 10, 2020**  
**Duration: 5 months**

### **DUTIES AND RESPONSIBILITIES**

- ❖ **Technician and maintenance on 60-MEGAWATTS SOLAR POWER Generation.**
- ❖ **Responsible for troubleshoot or diagnose and identify cause of failure under medium voltage switchgear, low voltage switchgear, inverters, transformer, ring main unit and PV-module.**
- ❖ **Responsible for changing burnt electronic components of inverter like mother board, AC filter to DC filter.**
- ❖ **Performing to upgrade inverter firmware and software**
- ❖ **Responsible for troubleshooting of electrical equipment and electrical devices.**
- ❖ **Responsible for inspection of protection relays, distribution circuit breaker, timers ,switches and control devices**
- ❖ **Responsible for checking voltage, current and temperature of solar panel.**
- ❖ **Can work control room and monitoring area to gathering data log in SCADA, monitor energy production, medium voltage switchgear energy power, delivered energy to received and weather parameters**
- ❖ **responsible for maintaining cleanliness of the photovoltaic panel like panel cleaning.**
- ❖ **Responsible for checking the string combiner box components (SCB), mcp4 connector and check busted fuses.**
- ❖ **Conduct thermal scanning for loose connection feeder, hotspot components on control circuit, transformer leakage.**
- ❖ **Performing oil sampling and oil extraction test.**

**Position: ELECTRICIAN/LINEMAN**

**Company: (NORTH MATRIX DEVELOPMENT CORPORATION)**

**Date period: January 2017-2019**

**Duration: Two (2) years**

**Others: BUILDING ELECTRICIAN**

**Duration: 5 months**

## **DUTIES AND RESPONSIBILITIES**

- ❖ **Responsible for implementation of scope of work as per approval shop drawing and specification projects are done as per specification**
- ❖ **Responsible for reading and analyze shop drawing such as one line diagram, and other technical diagram.**
- ❖ **Responsible for installation of equipment such as generators, synchronizing panels, distribution panels.**
- ❖ **Constructing power house generation, transformer assembly**
- ❖ **Constructing high voltage distribution line, primary line to secondary line.**
- ❖ **Responsible for familiarize materials on constructing distribution line like cross arm, braces, pole top pin, machine bolts, suspension insulator, dead end clamp, ground rod, guy wire.**
- ❖ **Responsible for installation of cable trays, cable trunks, and conduits prior to cable pulling**
- ❖ **Responsible for troubleshooting of electrical equipment and Control Panel, power circuits and control circuits such as push button, protection device, contactors, indicator lights, timer relay, and other control devices.**
- ❖ **Perform how to rewinding AC/DC motors, and alternators**
- ❖ **Perform how to rewind three phase and single phase motor prior to apply the connection of wye, delta and wye-delta connection**
- ❖ **Responsible to checking and replacing worn bearing, dislocate bearing, corrosive stator and rotor**
- ❖ **Perform how the application of control circuit connections such as forward-reverse, star-delta and magnetic across the line**
- ❖ **Perform how to testing wiring harness, alternator, battery supply and repair defective connector, headlights, break lights, troubleshooting electrical failures such internal wiring and wiring connection using continuity testing.**

## SKILLS

- **WIRING AND INSTALLATION**(control panels,relays,electrical panels, electrical circuit components,ACB control circuits,ACB and VCB assembly)
- **ATS INSTALLATION** (HAT600 ATS-PLC and conventional type)
- **PQA INSTALLATION** ( power quality analyzer-series 345 fluke)
- **THERMAL SCANNING**(reproduce thermal report by using flir software apps, conduct thermal scanning by using E40 flir thermal scanner)
- **TEST EQUIPMENT HANDLING**(CPC-100,CT ANALYZER, CIBANO-500,DV-POWER-RMO-H,CMC-356, MEGGER DLRO-200, FFTTK-full functional trip test kit, 10kv MEGGER MIT1025 INSULATION TESTER,SMRCT,MCRT,OIL TESTER,TRAXX MEGGER,TELDAR ,clamp meter, phase sequence, multi-meter.
- **COMMISSIONING AND TESTING**(circuit breaker contact resistance test, circuit breaker field test, insulation test,circuit breaker trip test, capacitance test,current transformer field winding test, voltage transformer field winding test, potential transformer field winding test,hipot test,oil transformer test, circuit Protection relay test.)
- **SPECIAL SOFTWARE TEST APPLICATION** (Power expert software test, Primary Test Manager )
- **HIGH VOLTAGE-** (Distribution line construction and transformer Assembly)
- **SOLAR PLANT GENERATION-**(monitoring, commissioning, troubleshooting)
- **BUILDING CONSTRUCTION-** (Building wiring installation and building maintenance)
- **INDUSTRIAL BUILDING-**(Motor controlling, rewinding, machine operating and technician)
- **HOT WORKS-**( Welding and fabricating)
- **DRIVING-**(light vehicle and heavy equipment)
- **COMPUTER LITERATURE** (Microsoft office application- MS-word, Excel, Power point)

## **TRAININGS AND SEMINAR**

- **National Certificate-Electrical Installation and Maintenance (TESDA Tuguegarao City)**
- **Certificate of Trade Test(Electrical Technician Class-B)**
- **Understanding Dissolved Gas Analysis (DGA) and Oil Quality Results In Transformer Oil Testing (TECO Industrial, Mabalacat City, Pampanga)**
- **The Occupational Safety, Health, Environment and Security Committee of Petro Solar Corporation (Central Technopark, Tarlac City)**
- **On-job Training (North Matrix Development Corporation,Tuguegarao City)**
- **Amateur Radio Orientation (Cagayan State University, Tuguegarao City)**

## **CERTIFICATE AND EXPERIENCE**

- **REGISTERED MASTER ELECTRICIAN**
- **NATIONAL CERTIFICATE**
- **TRADE TEST CERTIFICATE**
- **CERTIFICATE OF EMPLOYMENT**
- **CERTIFICATE OF COMPLETION**
- **DIPLOMA**
- **CERTIFICATE OF BOARD RATING**
- **CERTIFICATE OF ATTENDANCE (Trainings and Seminar)**
- **CERTIFICATE OF GOOD MORAL CHARACTER**

## **DOCUMENTS AND I.D's**

- **PASSPORT**
- **SSS**
- **PHILHEALTH**

- **PAG-IBIG**
- **NBI CLEARANCE**
- **POLICE CLEARANCE**
- **BARANGAY CLEARANCE**
- **TOR**
- **PRC LICENSE**
- **DRIVER LICENSE (restriction 1'2)**

## **REFERENCES**

**Engr: Salvador B. Peralta (Manager of North Matrix Development Corporation)**

**Address: Gonzaga Cagayan**

**Engr: Johnmark U. Martin (Civil Engineer of Solenergy System Incorporation)**

**Address: Ballesteros Cagayan**

**Contact Number: 09164956748**

**I certify that all data written herein are true and correct. Any misrepresentation on my part shall be sufficient for these papers to be denied.**

**ABEL B. DOMINGO**

