**RESUME**

**Osama Haider Ahmed Abd Elgalil**

NOMAC GULF CSP TOWR ENERGY L.L.C, Power Plant, Dubai
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**Electrical Engineer – Maintenance, Testing & Commissioning** with over **10+** years of experience in Erection, Testing & Commissioning for Thermal power plants, Oil & Gas, Refineries, petrochemical industries. Good knowledge about plant safety and permit to work system (LOTO&PTW), Electrical EX-Proof Equipment, Area classification.

KEY COMPETENCIES:

I am happy to work any continent as per the necessity and decision by the management. Also, I am a willing person to work under pressure and ready to meet the time bounded work under emergency condition, individually or as a part of team member.

CAREER PROFILE:

1. **Organization**: *NOMAC GULF CSP TOWER ENERGY L.L.C, Dubai*.

Designation: Electrical Engineer. Period: Apr 2021 to Present.

1. **Organization**: *KHARTOUM REFINERT COMPANY(KRC), Sudan*.

Designation: Maintenance Electrical Engineer. Period: July 2012 to March 2021.

1. **Organization**: *TAWREDAT ENGINEERING AND TRADING COMPANY, Sudan*.

Designation: Electrical Testing & Commissioning Engineer. Period: April 2010 to March 2012.

1. **Organization**: *NATIONAL ELECTRICITY CORPORATION (NEC), Sudan*.

Designation: Electrical Engineer. Period: Nov 2009 to Feb 2010.

**DETAILED ENGINEERING:**

* Design and Sizing Calculations of Control and Power Circuits, Power Factor Correction, Star-Delta Wiring Diagram, Direct on Line (DOL), Automatic Transfer Switch Power and Control Circuits.

**RELAY COMMISSIONING & CONFIGURAITON:**

* Configuration of Electrical Power System Protection Relays Based on The Control Wiring and the manufacturer software.
* Hand on Experience in PCM600, DIGSI 4 & 5 for SIEMENS SIPROTEC relays.

**Documentation:**

Prepare work instruction, tasks list and other tracker list for other system.

Prepare spare list BOM for electrical equipment.

Create purchase request for required materials.

**Inventory Management:**

Monitor the material/spare parts requirement for the Electrical maintenance activities, and facilitate the procurement of stocks to ensure accurate and timely availability and replenishment of the required stock.

PROFESSIONAL EXPERIENCE:

Responsibilities in Commissioning:

* Secondary injection protection function simulation test for protection relay as per manufacturer recommendation.

Responsibilities in Documentation:

* Prepare Work Instruction, Spare List, Check List of Various Types of Electrical Equipment using MS office.

Responsibilities in Testing, Commissioning and Maintenance:

* **Switchgear (HT and LT):**
* Testing of IR and WR of CT & PT and verification of test results as per protection class and FAT report.
* Busbar Contact Resistance Test and IR & HI-POT Test.
* CT Primary Current Injection Test and Bus Bar Differential Stability & Non-Stability Test.
* VCB/ACB: IR, WR and Closing and Opening Time Measurement.
* ATS & MTS Checking.
* Mechanical and Function Checking of all the Feeders.
* Control wire checking and interlock checking for panels.
* Checking the relay setting value with manufacture guidance value.
* Maintenance of Panels like control wire and power cable tightness checking, Relay setting value checking CT & PT terminals tightness checking.
* Troubleshooting of Panels problems.
* Have Responsibility to take trail run of motors on No-load and Load (HT & LT).
* DOL, Star Delta, Soft Starter Control wiring diagram verification and modification if necessary.
* **Protection Relay:**
* Testing and Commissioning of Transformer Protection Relay.
* Testing and Commissioning of LV/MV Motor Protection Relay.
* Testing and commissioning of MV Circuit Breakers.
* **Power Transformers:**
* Testing of Pushing CT and All the Cables Tightness.
* Transformer Voltage Ratio, Turns Ratio.
* Winding Resistance Test of Transformer and Cooling fan test.
* Capacitance & Tan Delta Test of Winding & Bushing.
* IR & PI Test of Transformer winding and core IR Test.
* Calibration of Oil and Winding Temperature Sensors.
* Winding Temperature calibration.
* Oil Dielectric Strength Test.
* Cooler Unit Power Contactor and MCB & MCCB Test.
* Surge Arrester: IR, Leakage Current Test.
* Control wire checking for Transformer WTI and OTI metering panel.
* **UPS Battery Charger & VSD:**
* Preparation of Initial Charge Test and Report.
* Preparation of Discharge Test and Report.
* Preparation of Final recharge Test and Report.
* Preparation of Energization Activity & Check Sheets and Coordinate to Energize.
* **Motors:**
* IR and WR testing of HT and LT motors.
* Control Scheme checking from Push Button to MCC panel & DCS panel.

COURSES

* Electric Engineering Certificate (SAGA Global and Consultant).
* Bearing Maintenance Technology (SKF).
* Certified Maintenance & Reliability professional (CMRP).

 OTHER SKILLS OBTAINED

* Familiar with SAP S/4 HANA.
* Read Isometric drawing, P&ID and schematic drawing.
* Very Good in Troubleshooting.

TESTING SOFTWARE USED

* **SIEMENS DIGSI.**
* **PCM 600.**
* **ETAP.**

TEST KIT HANDLED

* **Primary Current Injection.**
* **Secondary Current Injection Test** **Kit**, **AC HI-POT Test Kit**, **Current transformer test KIT.**
* **Breaker Contact Resistance Measurement**: **Breaker Timer Test Kit**, **Winding Resistance Test Kit**, **Insulation Resistance Test Kit**, **Transformer Winding Resistance Test kit.**

EDUCATIONAL QUALIFICATION

* Qualification/ University : Bachelor of Electrical Engineering /Sudan University of Science & Technology

PASSPORT DETAIL

* Passport No : PO7633587
* Place of Birth/Issue : Khartoum-Sudan/ Khartoum
* Date of Issue / expiry : 08-02-2021 / 07-02-2026

PERSONAL PROFILE

* Name : Osama Haider
* Family Name : Abd Elgalil
* Date of Birth : 07.09.1988.
* Sex : Male
* Nationality : Sudanese
* Language : English and Arabic.
* Address : Dubai-UAE
* Driving license : Dubai-UAE