

HASSAN KOMI KUKU

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PROFESSIONAL SUMMARY:

- An accomplished professional with extensive expertise in a broad suite of operations of Engineering Plant, particularly in Oil and Gas Fields, with awareness of multiple industry domains. proficient at Electrical Power system , full time management ,a team player towards peak performance; seeking a challenging position focus on assured bottom line gains and distinguished company performance.

KEY SKILLS:

- Microsoft Office
- excellent listening skills
- multi-tasking and organizational skills

PROFESSIONAL EXPERIENCE

1-General Utilities Department .(Royal Commission, Yanbu) Saudi Arabia.

2020 to Present .

MV/LV Switchgear Technician.

Highlights:

Contract No POM B-2100

Operation and maintenance of Electrical Power Distribution system for new MV/LV Substations AT RC-MYAS.

Key Responsibilities:

Operation and maintenance medium and low voltage electrical Systems including operation and maintenance of MV/LV Substations, Pad mounted Switchgears, Ring main Unit, Package Substations, Pad mounted Transformers, Unit Substations, Medium & Low Voltage Switchgear and MV/LV Cables ,Preventive and Corrective maintenance of Distribution transformer and MV, LV Circuit breaker (ACB, VACUUM CB, etc.), Isolating and Energizing RMU.

Greater Nile Petroleum Operating Company(Heglig,Diffra And Canar Fields) 2005 - 2015

Electrical Power Plant Technician

Highlights:

operate Power Plant, in addition to completing all shift reports required as well as carries out minor preventive maintenance .

Key Responsibilities:

- Monitors and inspects power plant equipments(generators, transformers, switchgear, etc) and indicators to detect evidence of operating problems switchgear, generator breakers, utility transformers, Battery Charger, Battery Room.
- Performs periodic inspections to ensure that all equipment and controls are operating properly and efficiently
- develops proficiency in operation, materials, methods and equipment in maintaining power generation.
- performs rounds and readings to insure the safe operation of all power plant equipment.
- locks and tags out equipment as required by the safe work permit system to ensure a safe work environment for individual involved in maintenance.
- maintains shift-operating logs to ensure consistent operation of plant equipment and systems , and report all deficiencies.
- operates transmission line disconnects or ground switches as required for clearing circuits on high voltage gear.
- operates required switching to isolate or remove equipment from service and test operations for restoration.
- Performs after outage inspections on generators after major outages and overhauls.
- Safely offload Diesel Fuel in Fuel storage in the plant and transferred to daily storages of generators, and handle wasted Lubricating oil.
- operates required switching to isolate or remove equipment from service and test operations for restoration.
- conducts & performs plant equipments and systems start-ups and shutdowns.
- Perform daily inspection, gages reading, fuel transfer, monitoring in Control Room by SCADA system the performance of the plant.
- performs routine maintenance - grease, topping up Lubricating oils, Coolant, and Diesel Fuel(Caterpillar engine) .
- conducts & performs plant equipments and systems start-ups and shutdowns.

- control, operate, or maintain machinery to generate electric power. Includes auxiliary equipments.
- documents and analyzes calculations from ammeters, voltmeters, frequency meters, and temperature and pressure indicator devices

- maintains accurate accountability for auxiliary equipment including air compressors, cooling water pumps, pre-lube pumps, fuel oil pumps, and centrifuges

- locks and tags out equipment as required by the safe work permit system to ensure a safe work environment for individual involved in maintenance.
- maintains shift-operating logs, performs rounds, and report all deficiencies.
- proficiently perform Emergency generator startup and shutdowns on a weekly basis
- responsible for monitoring the performance of heating, cooling, and related systems by interpreting alarms, temperature and pressure differentials; troubleshoot problems and make required adjustments.
- control and maintain auxiliary equipment, such as pumps, fans and, compressors, Crude oil heater.
- synchronize incoming generating units with units in operation and closed circuit breakers at exact instant coincidence.

3- AlJaili, Shandi, Atbara 220 KV High Voltage Transmission Line

Project(NATIONAL ELECTRICITY CORP.) Sudan

(2004 to 2005)

Electrical Engineer

Highlights:

Lead and supervise two teams of Technicians to Erection of High voltage Towers

EDUCATION

- **Feb. 2015– 2021, Sunderland University(Segi College Campus in Malaysia),**

Bachelor of Engineering in Electrical & Electronics Engineering (BEEENG)

Major academic course highlights: Electrical power systems and machines , Electronic systems design, Manufacturing systems design , Project management planning& control , Microprocessor systems, PLCs& Scada , Simulation (Matlab), Control ,and instrumentation& measurements.

- **1998-2002, Sudan University of Sciences & Technology**

Graduated of Diploma in Electrical Engineering(EE)

Major academic course highlights: Principles on DC and AC Electrical Circuits, Transformers, DC and AC Machines, Electrical Power systems, and Electrical Installation.

Key Trainings to Credit:

- Diesel Power Plant operation & maintenance training course-Oil and Natural Gas Corporation Limited.
- Introduction to PLC & SCADA-Sudanese Tractor Co. ,training centre Khartoum
- Transformers, Operation & maintenance
- Earthing System &Lightening Protection training course- Enppi Engineering for the Petroleum and Process Industries.
- Safety courses related to Oil and Gas Field ,including Fire fighting, Hot and Cold work permits issue, confined space, Electrical Isolating, ect.- Training centre GNPOC
- First Aids course, Medicine Faculty UOK, Khartoum
- Switchgear and Substation operation On-job training course-Diffra Field
- Protective Relays course-Bayan Center .
- 3516 Power Module operation &maintenance.
- Power Generation Operation & control course-Top center for training, Khartoum,Sudan
- Defensive Driving course –GNPOC training center, Khartoum ,Sudan
- Basic Cardio Pulmonary Resuscitation-University of Khartoum-faculty of Medicine ,Educational Development centre for Medical & Health
- First Aid- University of Khartoum-faculty of Medicine ,Educational Development centre for Medical & Health

PERSONAL INFORMATION

- Birth Date: 06 August 1977
- Gender: Male
- Number of Dependents: 2
- Marital Status: Married
- Nationality: Sudanese
- Languages: Arabic and English