**SHARIFF SHAIK**

**Electrical Testing & Commissioning, Operation and Maintenance.**

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Seeking a position to utilize my skills and abilities in a power sector that offers professional growth and makes me resourceful, innovative, and flexible.

**PROFILE SUMMARY**

* A result Oriented, Dynamic Professional with **7+ years** of experience in Electrical Testing, protection and Control, Start-up and shut down operations & Maintenance, Commissioning and Team Management in Power sector.
* Now worked as an **Electrical T&C Engineer with** **Voltech Engineers WLL, QATAR.**
* Good experience in Negotiating with contractors and Consultant/Client for services and ensuring that each stage of the project commissioning on-time ; reporting regularly on progress to the Consultant/Client and senior managers.
* Involved on site management, operation & Maintenance and Commissioning activities of indoor and outdoor substations with voltage levels up to 400 kV.
* Has hands-on experience with Gas Insulated Switchgear (GIS) of reputed manufacturer viz. ABB, Alstom, Siemens, etc.
* Deft in conducting commissioning activities of large-scale plants and substations.
* Experienced with operation of fire protection systems and HVAC systems.
* Successfully worked on the commissioning and completion of **Qatar Power Transmission System Expansion- Phase 11, Phase 12,Phase 13 Substations& AL KHARASAAH SOLAR PV IPP** project operations and assisted on-site team to meet major deadlines for clients.

**CORE COMPETENCIES**

Testing &Commissioning | Operation & Maintenance | Erection & Installation |

Commissioning Coordination | Switching | Project Planning & Execution | Condition Monitoring | Troubleshooting | Technical & Safety Inspections | Power System Protection |

**PROFESSIONAL EXPERIENCE** **-** **PROJECTS OVERSEAS** - **STATE OF QATAR**

**Voltech Engineering Services, Qatar Nov’2015 – Till Present**

**Senior Commissioning Engineer (Nov’2015- Till Present)**

Contributed on Testing, Commissioning and energization activities of various Phase-11, Phase-12 and Phase-13 substations of **Kahramaa-Qatar General Electricity & Water Corporation’s Transmission network**.

**ROLES & RESPONSIBILITY**

* Testing of Circuit Breakers (ACB, VCB,SF6), Voltage Transformers, Current transformers, Isolators and Lighting Arrester in Electrical Substation.
* Testing of all Type of ELV, LV,MV,HV& EHV Electrical Apparatus.
* Commissioning of all Type of ELV,LV,MV,HV& EHV Electrical Substations.
* Process in substations Scheme Check with the diagrams, Interlocks with logical diagram.
* Testing of all routine test as per IEC, IEEE or Customer specification.
* Knowledge about Differential (LINE/TRANSFORMER) and Distance Protection and Backup protection.
* Knowledge having in SIMULATION OF SIGNALS to Scada system.
* Skilled in all types of schemes checking such as transformer protection, motor protection, differential schemes, stability schemes, interlocks, and other control circuit schemes with various systems
* PTW, LOA, SFT, Tag-In, Tag-Out, padlock System, Hot permit and Cold permit for safety formalities for all kind of Electrical works.
* Preparing Test packs and Ready for Inspection (RFI) schedule for consultant approval and compliance with necessary standards as per the client requirements.
* Experience in Preparing SAT using the scheme as well the Documentation.
* Involvement with the clients to make the required modification in the scheme.
* Troubleshooting and Quick Analysis of Power Systems.
* Testing of Siemens GIS(8DN8) & ABB (ELK-04) Components (CT, VT, BREAKER) of GIS.
* Timing Testing for Disconnectors, Maintenance & High-speed Earth switches and Circuit Breakers.
* Testing of 11kV Siemens NX PLUS-6 & ABB ungears type SWGR Components tests and commissioning tests.
* Testing & Commissioning of 33kV Siemens 8DN10 GIS Components tests and commissioning tests.
* 415V LVAC Auto change over Scheme checks & Functional Tests.
* LVAC, LVDC Momentary Parallel Operation Checks.
* Checking of Interlock scheme, Tripping schemes of 11kV,22kV (single bus system), 33kV,66kV,132kV,220kV&400kV (Double Busbar system)
* Secondary and Primary Injection for CT’s and PT’s 11kV,22kV (single bus system), 33kV,66kV,132kV,220kV&400kV (Double Busbar system)
* Local SYNCH and BCU SYNCH Checks for 11kV,22kV (single bus system), 33kV,66kV,132kV,220kV&400kV (Double Busbar system).
* Testing for HIGH VOLTAGE & PD MEASUREMENT test for 11kV,22kV (single bus system), 33kV,66kV,132kV,220kV&400kV (Double Busbar system)
* Testing of Sensitivity & Stability for High IMPEDENCE Busbar Protection & Low IMPEDENCE Busbar Protection.
* Testing done for Transformer Differential and REF Protection Sensitivity and Stability.
* Testing done for Shunt Reactor Differential and REF Protection Sensitivity and Stability.
* Coordinate with DCS Engineers for substation & protection signals verification for NCC, DGCC END TO END signals testing.

 **\* Project : PHASE-11 , QATAR POWER & TRANSMISSION EXPANSION.**

 **Customer: KAHRAMAA, DOHA.**

 **Consultant: Energo project ltd. EPE**

 **Contractor:**  **L&T LIMITED** & S**IEMENS ENERGY,QATAR**

**Working in Substations ÷**

* **220/66/11kV-RAH SUPER**  **S/S**
* **66/11kV RAH-1 S/S**
* **66/11kV RAH-2 S/S**
* **66/11kV RAH-3 S/S**
* **132/11 kV-LEARAIG SUBSTATION S/S**

 **\*Project : PHASE-12 , QATAR POWER & TRANSMISSION EXPANSION.**

 **Customer: KAHRAMAA, DOHA.**

 **Consultant: Energo project ltd. EPE**

 **Contractor:**  **SIEMENS ENERGY, QATAR**

**Working in Substations ÷**

* **66/11kV-QATAR COOL S/S**
* **66/11kV WAKRAH SOUTH S/S**
* **400/132/11kV AL SAKAHMAH SUPER S/S.**

 **\*Project : QATAR POWER & TRANSMISSION EXPANSION.**

 **Customer : MANATEQ Projects, DOHA.**

 **Consultant : Energo projekt ltd.EPE**

 **Contractor :**   **L&T LIMITED &**  **ABB**

**Working in Substations ÷**

* **132/11kV- WAKRAH LOGISTICS-1 S/S**
* **132/11kV- WAKRAH LOGISTICS-2 S/S**
* **132/11kV- UMM ALHOUL-2 S/S**
* **132/11kV- RAS BU FONTAS-3 S/S**

 **\*Project : PHASE-13 , QATAR POWER & TRANSMISSION EXPANSION.**

 **Customer : KAHRAMAA, DOHA.**

 **Consultant: Energo Projekt ltd.EPE , ELECTRIC D FRANCE.eDF & TRACTEBEL ENGIE**

 **Contractor:** M/S **SIEMENS ENERGY &** M/S **ABB**

**Working in Substations ÷**

* **132/11kV- MURRAH SOUTH S/S**
* **132/66/11kV- UMM EBIRIYA S/S**
* **132/11kV- UMM GARN S/S**
* **66/11kV – ABU HAMOUR WEST S/S**
* **66/11kV – ABU THAILAH S/S**
* **66/11kV – NEW ASSIRI S/S**
* **400/132/11kV AL SOWIDI SUPER S/S**
* **132/11kV- BIN MAHMOUD-2 S/S**
* **132/11kV- ALWAAB-2 S/S**
* **132/11kV- AL MAZROUAH S/S**
* **132/11kV- AL MANSOURA S/S**
* **132/11kV- KHALIFA TOWN SOUTH S/S**
* **132/33/11kV-MESAIEED INDUSTRIAL-A S/S.**
* **220/66/11kV-DOHA SUPER S/S.**

**\*Project : AL KHARASAAH SOLAR PV IPP.**

 **Client: KAHRAMAA, DOHA.**

 **Developer/Owner: SIRAJ 1**

 **Owners Consultant : FICHTNER**

 **EPC Contractor :**  **POWER CHINA GUIZHOU(PCG)**

 **EPC Contractor Consultant: Energo project ltd. EPE & ELECTRIC D FRANCE.eDF**

 **Sub Contractor: ABB LLC,QATAR.**

**Working in Substations ÷**

* **33/132kV- Facility substation.(FS)**
* **33/132/220kV-Connecting Equipment s/s(CE)**
* **0.8/0.8/33 kV- RING MAIN UNIT’S(RMU)**

**Operation and Maintenance Shift Incharge (January’2019- April’2019)**

Responsible for comprehensive operation & maintenance of 220/33-10 kV substation of QSTec (Qatar Solar Technologies) Polysilicon Plant at Ras Laffan Industrial City, Qatar under M/S General Electric.

**Highlights:**

* Operation, Preventive Maintenance (PM), Corrective Maintenance (CM) and troubleshooting of substation equipment but not limited to 220 kV GIS, 4\*150 MVA Transformers, Auxiliary Transformers, 220, 33 &10 kV Control & Relay Panels, LVAC & LVDC Switchboard, Battery Chargers, Battery Banks, UPS, Neutral Earthing Resistors (NER).
* Prepared annual preventive maintenance schedule and executed on time.
* Followed up subcontractors directly for various post energization snags and warranty period troubles and addressed successfully on time.
* Post energization as-built drawings were verified and followed up for corrections.
* Communicated Kahramaa NCC & DGCC directly as the substation representative for operation & Maintenance.
* Attended various review and progress meetings as a focal point.
* Learned and troubleshoots various alarms and faults from fire alarm system equipment but not limited to FM200 System, Deluge System, FACP.
* Learned and troubleshoots various alarms and faults on HVAC installation such as Package Unit (PACU), Exhaust Fan (EF), Fresh Air Fan (FAF) and its control equipment and accessories.
* Maintained personnel and equipment safety as an utmost concern by reviewing method statement (MS) and Job Safety Analysis (JSA) from subcontractors and executed various tasks successfully and acted as a Permit to Work (PTW) approver/issuer.
* Reporting to superiors about daily activities, faults on daily basis.
* Managed operation log, Equipment histories, Maintenance reports, PTW records, etc.
* Preventive Maintenance of GIS-SF6 gas analysis and gas topping up.

**Voltech Engineers Pvt. Ltd., Chennai, India FEB’15 – Nov’15**

**Testing and Commissioning Engineer**

Responsible for testing and commissioning activities of various substations under central, state and private sectors of up to 400 kV all over India.

**Highlights:**

* **Project-1:** **132/11 kV SWITCH YARD SUBSTATION, M/s BGR Group of Industruies,KHARAGPUR,WEST BENGAL.**

- Testing of 11 kV CT, VT, Circuit Breakers.

- HV test of 11 kV Circuit Breakers, Busbars & Cables.

- 11 kV & LV Switchgear functional and interlock checks.

- Testing of Distribution Transformers.

* **Project-2:** **132/33 kV Substation-MSPDCL, Chandel, Manipur under M/S Sterling & Wilson Ltd.**

**-** Testing of 132 kV Single Bus with Transfer bus scheme Switchyard Equipment.

**-** Testing of 33 kV Single Bus Scheme Switchyard Equipment.

- Control & relay panel functional and interlock checks.

- Testing of 2\*12.5 MVA transformers.

- Testing and commissioning of 132 kV remote end bays.

- Testing of 33 kV CT, VT, Circuit Breakers & Relays.

- HV test of 33 kV Busbars & Cables.

- 33 kV Switchgear functional and interlock checks.

- 33 kV Cable differential stability test.

- Troubleshooting on the existing system.

* **Project-3:** **132/11kV&11/.415Kv SWITCHYARD,M/s ALSTOM T&D**, ASSAM STATE ELECTRICITY BOARD.

 BORDUBI, TINSUKIA, ASSAM**.**

- Testing of 11 kV CT, VT, Circuit Breakers, Relays & Cables.

- 11 kV & LV Switchgear functional and interlock checks.

- Testing of Dry Type Auxiliary Transformer.

* **Project-4:** **6.6 kV Package Substations**-**BCPL, DIBRUGHAR,ASSAM under M/S C&S Ltd.**

- Testing of 6.6 kV, Switchgear Equipment.

- Testing of 3ph Transformers,Motors and CABLES.

- Testing of Capacitor bank.

**TEST KIT FAMILIARIZATION**

* ODEN - Primary injection kit.
* OMICRON CMC 256, 356 - Relay testing kit.
* FREJA 300- Secondary injection test kit.
* OMICRON CT analyzer - CT testing kit.
* ISA kit, ACTAS, CIBANA 500 - Circuit breaker timing test kit.
* CPC 100 – CT,VT and Primary injection kit.
* MEGGER - SVERKER 750/760 Relay test sets.
* Insulation resistance measurement kit.
* ELTEL, SCOPE - CRM, winding resistance and 3-pole timer.
* HV test set.

**PROTECTION RELAY EXPERIENCE**

* SIEMENS 7SJ61, 7SJ62, 7SJ80 - Feeder protection relay.
* ABB REF615 - Feeder protection relay.
* MICOM (AREVA, ALSTOM, SCHNEIDER) – P545 Feeder protection relay.
* SIEMENS7SD52 - Cable differential relay.
* ABB RED670 - Cable differential relay.
* MICOM (AREVA, ALSTOM, SCHNEIDER) - P545 Cable differential relay.
* SIEMENS7UT61 - Transformer differential relay.
* ABB RET670 - Transformer differential relay.
* MICOM (ALSTOM, GE ) - P643 Transformer differential relay.
* SIEMENS 7SS52 - Busbar protection relay.

**ACADEMIC QUALIFICATIONS**

* **Bachelor Degree in ELECTRICAL AND ELECTRONICS ENGINEERING.**
* **College: Ramachandra College of Engineering , JNTU Kakinada.**
* **Year of completion: 2014.**
* **Aggregate: 72.6%**

**ACHIEVEMENTS**

* Awarded as Best Engineer of the year (2017-2018) when working as Testing and Commissioning Engineer on Voltech Engineers Pvt. Ltd., Chennai, India.
* Provided technical guidance and mentorship to junior Engineers.

**ADDITIONAL INFORMATION**

* **Operating System:** Microsoft Windows.
* **Software Package:** Microsoft Office, AUTO CAD.

**PERSONAL PROFILE**

Date of birth : 9th April 1990

Father’s name : Kalisha vali

Mother’s name : Imambee

Nationality : Indian

Gender : Male

Marital Status : Single

Languages known : English, Telugu, Hindi and Tamil.

Passport : N3780816(Validity: 08-10-2025)

Current location : Qatar

**DECLARATION**

I hereby assure that the above-mentioned information is correct up to my knowledge and I
bear the responsibility for the correctness of the same.