

MOHAMMED FAISAL

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Professional Summary

Electrical Testing & Commissioning Engineer with sound knowledge having 4 years' experience in Power Distribution projects. I have hands on experience working on different substations in electrical power system control and protection equipment. My vision is to perform to the best of my ability and work towards the betterment of the company and self.

Work Experience

❖ *Xervon Saudi Arabia L.L.C*

Testing and Commissioning Engineer

(January 2015 – Present)

Key Responsibilities

- ◆ Execution of Testing & Commissioning of Sub- Stations up to 380kV.
- ◆ Testing & Configuration of Protection Relays.
- ◆ Function & Scheme Check of Protection & Control Schemes.

Core Competency

- ◆ 380kV, 230kV, 115kV and 13.8kV GIS LCC Scheme and Function Testing.
- ◆ Testing and Configuration of Protection Relays (ABB, SIEMENS, ALSTOM).
- ◆ Line, Transformer & Busbar Protection Panels Scheme and Function testing.
- ◆ Understanding of ABTS, ACCS, Transformer differential and Line Protection relay testing and configuration.
- ◆ Primary and Stability of Transformer and Busbar.
- ◆ Bay Control Unit (BCU) configuration and testing.
- ◆ Secondary Injection of CT and VT Circuits.
- ◆ Testing of Instrument Transformers.

Projects

- ◆ **380/115/13.8kV Ar-Raed, Riyadh**
 - 380 KV LCC Scheme check.
- ◆ **230/115kV Mahasen BSP, Al-Hasa**
 - Line protection Scheme check.
- ◆ **115kV/115V Aindar, Al-Hasa**
 - U/V and O/V Relays and Line protection Scheme check.
- ◆ **115kV Hawiyah Gosp-3 and Gosp-4, SAOO(Saudi Aramco Oil Operation)**

Being at SAOO, I was appointed as an Co-ordinator for ARAMCO, Contractor (NCC) and SEC(Client). Following were my activities at this Site :

- Readiness of the new upgraded line protection panels.
- To arrange, organize and plan activities for testing engineers and CSD(Commissioning services department)
- Discussing with other contactors regarding scheme requirements.
- Performing modifications, ordering materials required for the line protection schemes and implement changes as needed.
- Go through the schedule for weekly activities of the site.

Finally, making sure that the site is ready for commissioning before the required date.

◆ **115/13.8 kV SISED Ext., Taif**

- Scheme check of Under Voltage panel.
- Testing and configuring of Bus Bar Relay (REB650).
- Testing and configuring of Under Voltage and Under Frequency Relay (REC670).
- Testing and configuring of BCU (REF615) for O/C and E/F protective function.
- Configured REC670 for SAS I/F
- MCCB testing
- Energy Meters
- VT Secondary
- Transformer Primary and Stability
- SAS for :
 - 13.8KV switchgear
 - Under Voltage and Under Freq.
 - Bus Bar panels
 - Transformers and Transformer protection
 - AVR
 - Synch check
 - Pre-check ACCS
 - ACDB and DCDB Panels.

◆ **380/230/13.8 kV Al Kharj-2, Riyadh**

- Testing of Aux. Relays
- Wiring and interface Check
- 33kV SWGR VT Testing
- CB Timing Test
- Pressure Gauges Test
- SF6 Gas Testing
- Meters Testing
- Contact Resistance
- CT & VT Loop check

◆ **380/230/13.8 kV JUAYMAH BSP ,Ras tanura**

- 380 KV functional check
- Distance relay pre check
- Auxiliary Relay testing

- Testing of Trip circuit supervision relay MVAX31, Fuse failure Relay.
- 230 KV Breaker Failure Relay(Siemens)
- Testing of Digital meter, Analog meters
- Testing of VT of 380/13.8kV Switchgear
- Synchro check ,over current (Micom P841,P142)
- 230 kV CT and VT Secondary
- Metrosil testing & 10kV Earth Switch
- ◆ **380/230/115/13.8 kV DOHA BSP,AI-Khobar**
 - Auxiliary Relay Testing
 - Testing of Digital meter, Analog meter.
 - Testing of MCB & MCCBs.
 - 380/115kV CT testing.
 - DCDB Function.
- ◆ **115/13.8 kV At-Tawdihyah, Kharj**
 - Pre check of LCC, Protection Panel, OLTC & MK Panels.
 - Testing of Aux. Relays, Contactors, MCB's, Timers.
 - Annunciator alarm test.
 - Insulation test
 - Contact resistance
 - Pressure Gauges Check
 - SF6 Gas Test
 - ES, DS, CB timing tests.
- ◆ **115/13.8 kV South Dhahran Housing(DSHO), Dhahran**
 - 115kV and 13.8kV Primary and Stability
 - 13.8kv Trip Test.
 - 115kV SAS Interlocks
- ◆ **230/69/13.8 kV Dhahran Central , Dammam 2nd Industrial**
 - 69kV Ct and Vt Secondary
 - Capacitor Bank Testing.
- ◆ **380/230 kV AL-Fadhili, Jubail**
 - Vt Secondary and Auxiliaries.
 - DFR, SCADA, ANNUNCIATOR for Line protection and Auto recloser.
- ◆ **230/115 kV Shedgum, Hofuf**
 - OHL Testing.

◆ Duroob Technologies

IT Support Engineer

(October 2012 – November 2013)

Worked as an IT Support Engineer in **SAUDI ELECTRICITY COMPANY (client)**, Dammam

Scope of Work :

- Being an IT Support Engineer, my work was to support client with any kind of issues relating to ITSM (IT Service Management).
- ITSM, is an automated Service software catering various business needs of end user in an organization.
- Working on ITSM, helped to resolve issues in CA workflows and also worked on BMC remedy L1.

Training/Course:

- **Industrial Automation** **(July 2014 - Nov 2014)**
- PLC and Industrial Automation Module from Dallas Technologies, Bangalore.

Details of Course:

- PLC – Programming languages such as LD (Ladder Diagram) & FBD (Functional Block Diagram).
- Hands on practical exposure in brands such as: Siemens (TIA Portal V13, Step7), AB (Allen Bradley RS Logics 500).
- SCADA - Screen designing using InTouch Wonder Ware 9.5, 10.1.
- HMI - Screen designing, PLC Interface.
- VFD and various Field Instruments.

- **Telecom** **(Feb 2014 – Apr 2014)**

Also attended course in Telecom from **SIMTECH Technologies Bangalore, India**, learnt about antennas and their working, frequency ranges, types of Communication (GSM, CDMA, WCDMA...etc.), switching systems, Drive test, Network optimization and planning.

- **Preparatory for Masters**

(May 2012 – July 2012)

Appeared for PG CET Exams.

Academic Profile

Education

B.E in Electronics and Communication Engineering

(March 2012)

KNSIT, Bangalore. (Affiliated to Visvesvaraya Technological University (VTU))

Final Year Project

Project Name : Smart car for theft prevention using GSM

Used : Microcontroller 89c51

Project description:

The Smart Car designed was mainly to stop the number of thefts. Design mainly consisted of password entry for activation of ignition. In case of theft or entry of wrong password, it activates Automatic Locking of car, alerts and updates the status of the vehicle by sending an SMS to the owner using the GSM module.

Skills

Software

- ◆ PCM600
- ◆ AcSELerator QuickSet
- ◆ Micom Agile S1
- ◆ DIGSI-Siemens
- ◆ Freja Win
- ◆ MS Office
- ◆ CPC 100

Communication

- ◆ Proficient in English language reading, listening writing.
- ◆ Confident
- ◆ Adaptable
- ◆ Efficient and Responsible

Personal Details

Date of birth : 03.01.1989

Nationality : INDIAN

Languages Known : English, Kannada, Urdu and Hindi.

References

Available upon request.