



SHUHAIB PENGADEN

Electrical Engineer



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Dammam, Saudi Arabia



3 June, 1995



Valid saudi Driving License
Transferable IQAMA



Nationality: Indian



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Marital status

Married

PASSPORT NUMBER

S0108739

LANGUAGES

English,
Malayalam
Hindi

SOFTWARE SKILLS

MS Excel, Word,
PowerPoint
Outlook
PowerDB, MATLAB
OS: Ubuntu,
Win XP/7/8/10

CAREER OBJECTIVES

A challenging job as an Electrical Engineer where I can apply the knowledge that I have learned and get an exposure to work on the real-life projects which will help me to gain practical experience and to serve the firm with my sincere efforts.

PROFILE SUMMARY

- Electrical engineer with a track record of almost 4 year .
- Experienced in **Quality control** ,Inspection, Testing & Commissioning activities in LV and HV fields.
- Conversant with quality inspection,testing of all kind of LV panels.
- Inspection,Testing and commissioning of PowerEquipments, Distribution panels ,Powertransformers and Switchgears.

PROFESSIONAL QUALIFICATION

- Bachelor's degree (**B.Tech**) in **Electrical & Electronics Engineering (2013 - 2017)**
From **Calicut University Institute of Engineering &Technology(CUIET)** ,Kohinoor

WORK EXPERIENCE



QUALITY CONTROL ENGINEER

Abdullah H.Al shuwayer Sons Co.(Shuwayer Electrical&Engineering systems)

[Presently working –Started from January 2020]

Panel board manufacturing company(**Eaton, Siemens** and own panels.)
Quality control, Inspection, Testing, commissioning,

Roles and Responsibilities:

- Inspection ,Testing of various types of control panels, distribution panels and drive based panels.
- Inspection ,testing of panels as per engineering methods and standards.
- Good knowledge in control circuits of different kinds of panels with Automatic transfer switch(ATS),Variable frequency drives(VFD), Soft starter,Powerfactor controller,star delta&DOL starter,Main distribution panels,MCC panels,etc.
- QC Documentation and review contractor electrical specifications
- Checking of quality of production
- Experienced in Loop check and functional logic check of control panels.
- Trouble shooting,Testing ,commissioning and maintenance of control,distribution and drive panels.
- Ensure that all quality processes are as per the standard.
- Responsible for Non Conformance Report(NCR) process, create NCR in database ,Coordinate with NCR coordinator for proper handling and close the NCR.

PERSONAL SKILLS

- Motivated and self-confident with an ability to learn and adopt new technology
- Strong team collaboration and work closely with team members to achieve engineering goals.
- Confident and Hard worker

- Installation of new outdoor switchrack, power panel, lighting panel and control panels.
- Inspection, megger and continuity test before terminating the cable and then termination of the cable.
- Inspection of high and low voltage cable continuity and meggering.
- Follow up of corrective and preventive action for NCR's issue and verification of effectiveness of the same
- Incoming material inspection as per the quality and project specification.
- Responsible for the calibration of testing and measuring equipments and verification of proper functioning & utilization of it.
- Conduct site inspection and ensure all electrical installation inside the panel board must comply with the design specification, as per drawing and applicable standard.
- Well aware about the standards IEC 61439-1,2&3
- Modification of panel internal wiring connections as per site requirements
- Conduct inspection and preparation of documents such as test and inspection reports.
- Conduct and lead the Factory acceptance test (FAT) for the finished panels in presence of customer or third party inspector as per ITP and standards.
- Keeping the QC files/inspection records always updated.
- IP and paint thickness testing.
- Very good knowledge in control circuit and programming of different kind of VFDs with various models like Siemens sinamics G120X, Invertek optidrive E2, E3 and ECO, Eaton DC1, SVX9000, Eaton PowerXL DG1, etc
- Experienced in control circuit and programming of ATS controllers like Deep sea Electronics and socomec C25, power factor controllers like EPCOS and Computer Max12 and soft starter like Siemens SIRIUS 3RW52
- Review of design drawing and do corrections if needed.
- CT testing (ratio, polarity, excitation and burden) using omicron CPC 100 kit.
- RCCB testing, MCB and MCCB trip time, contact resistance and insulation resistance testing.
- Experienced in control circuit of SIMOCODE Motor Management and Control Devices and its programming using Siemens TIA Portal software.
- Testing of Siemens sivacon s8 and Eaton xEnergy panels. Have strong knowledge about the sivacon s8 and Eaton panel standards.
- Performing High voltage test using PHENIX Hi-Pot system.
- Trip test of ACBs (Siemens 3WL Release 1&2, MCCB 3VA and Eaton ACBs)
- In-charge of submitting documents like Inspection test plan (ITP), NMR document and Spare parts Data Packages (SPDP)
- Well experienced in trouble shoot activities.
- Preparation of As-Built mark up drawing after the product delivery.
- Performs product inspection in a timely manner to ensure the production department meets the production goals.

➤ POWER EQUIPMENT TESTING ENGINEER



KERALA STATE ELECTRICITY BOARD—PETS D KSEB, Calicut, INDIA

[December 2017 to October 2019]

Inspection, Pre-commissioning, Complaint, Routine tests of a total of 73 HV Substations up-to 220kV

Roles and Responsibilities:

- Tan Delta measurement of 220kV, 110kV, 66kV and 33kV Transformer, CT's, PT's and CVT's using MEGGER DELTA 4000 kit
- Leakage current measurement of 33kV and 11kV Circuit Breakers and Lightning Arrestors using HYPOTRONICS high voltage DC test kit.
- Testing of WP Cables, HV Cables.
- Total Dissolved Gas content measurement in Transformer Oil using GE HYDRAN kit
- Moisture Content measurement in Transformer Oil using MEGGER KF-UNI KARL FISCHER kit
- Insulation Resistance (IR) measurement of various equipments using MEGGER kit
- Excitation Current and Turns ratio measurement of 220kV, 110kV, 66kV and 33kV Transformers using MEGGER DELTA 4000 kit
- Contact Resistance measurement of Circuit Breakers using PROGRAMMA MICRO-OHMMETER
- Earth Resistance measurement using MEGGER kit.
- Power Frequency withstand test for various insulator like PIN, DISC, STAY and SHACKLE, AB SWITCHES and also FUSES using NTPL high voltage AC/DC kit.
- Conducting timing test on circuit breaker using MEGGER -TM 1800 kit
- Dissolved Gas Content (DGA) measurement in Transformer oil using GE TRANSPORT X kit.
- Testing of live lightning arresters using online LA kit SCOPE SA 30i Surge Arrester Leakage current analyser kit.

MAJOR PROJECTS

- Precommissioning of 200 MVA Transformer, Nallalam
- Precommissioning of 66kV substation, Cyber Park, Calicut
- Recommissioning of Transformers up to 20MVA at Power Transformer Repairing Unit (PTRU), Nallalam
- Precommissioning of 11kV VCB panel of 110kV substation, Puthiyara, Calicut

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

SHUHAIB P