

# MD FARHAN ALAM

Mobile: +966 500475809  
+966 598733809

E-mail Id: [mdfarhanalam1988@gmail.com](mailto:mdfarhanalam1988@gmail.com)

Skype Id: [mdfarhanalam1988](https://www.skype.com/people/mdfarhanalam1988)

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## **CAREER OBJECTIVE:**

Having overall **10 years** of experience in the field of QA/QC Electrical Engineer as well as Site Engineer in Power Plant, Substation, Commercial and Domestic Projects, familiar with Design, Inspection procedures and other applicable code standards To emerge as an innovative professional adapting to the ever changing environment and applying various concepts to new situation so as to enable myself to respond to various challenges in the field of Electrical. Looking for a position in QA/QC department to contribute with organization and to support further with my experience and qualification with a reputable company.

## **WORK EXPERIENCE:**

### **Job profile # 1:**

**COMPANY:** SAUDI SERVICES FOR ELECTRO MECHANIC WORKS  
(AL-RASHID GROUP) (KSA)

**DURATION:** JANUARY 2017 - Till Date

**DESIGNATION:** QA/QC ELECTRICAL ENGINEER

**PROJECT #1:** Duba Green Integrated Solar Combined Cycle Power Plant 605MW Capacity  
2Nos of Gas Turbine (GE), 1 STG, 2HRSG, Solar Heating System, Natural  
Natural Fuel Gas System, Condensate Gas Fuel, Arabian Super Light Fuel  
Treatment Systems and Water Treatment Plants, 380/132KV GIS Substation  
(ABB), 3 No's of Main Transformers 250MVA and 400MVA (Hyundai),  
BSDG 3X10MW (Alex mar), 150Nos of 13.8/4.6 KV Switchgears (Siemens),  
IPBD's, NSPBD's and SPBD's 18/13.8/0.48 KV (Alfa Standards/AZZ)  
Installation of all control & Protection Panels, Aux. Transformers and  
Lighting System as per Approved Drawings

**CLIENT:** SAUDI ELECTRICITY COMPANY (SEC)

**CONSULTANT:** TRACTEBEL ENGIE

**PROJECT #2:** CONSTRUCTION OF SHOIBAH SWCC-2 380KV SUBSTATION (SHB  
SWCC-2) AND EXPANSION OF EXISTING MODON BSP & S-IWPP  
SUBSTATION

**CLIENT:** SALINE WATER CONVERSION CORPORATION (SWCC)

**CONSULTANT:** SAUDI ELECTRICITY COMPANY (SEC)

### **Responsibilities as QA/QC Electrical Engineer-**

- Preparation of **Inspection and Test Plan (ITP)**, Construction Quality Procedure and Method of Statement
- Manage and supervise all internal and external audits and make corrective action / comply as per Client/third party requirement or Standard.

- Dealing with All Manufacturer /Suppliers and Installation supervisor/Technical Advisor at site.
- Maintain Updated Drawings/Design issue
- Red Markup and As Built process supervision.
- Quality Procedure and inspection test plan with QA/QC Division/Client support.
- Request for Inspection (RFI) before 24 hrs. Make RFI, Log Record & Scan RFI.
- Material Inspection Report (MIR) before 24 hrs. Make MIR, Log Record, Inspect and Scan MIR.
- Coordinate with Project engr. Related for updated drawings, MIR required data mention below and any other.
  - Material approved Manufacturer Company
  - FAT with Client and SAT with third party at site.
  - Released shipment material
  - Packing list
  - Delivery note
  - Technical submittals/Standard
  - Purchase order
  - Single line Diagram
  - Layout diagram
  - Base design and detail design submittal if any issue.
- Prepare one Complete Signed MIR copy and send to H.O for planning to proceed for Invoice.
- Manage and maintain all the QAQC data/Records as per QMS ISO 9001 and ISO 10005 and Record (Hard and soft form).
- Visit the site and observe site activities as per QAQC (Site observation) and Safety points (Risk assessment) and then mail to site team for further implementation as internal NCR/Site Instruction.
- Client NCR/Site Instruction Reply and coordinate construction team to make corrective and preventive action with root cause analysis.
- Coordinate with testing Team regarding (open Loop test, Close Loop Test, all Schematic Drawings handling and arranging and commissioning and pre-commissioning Schematic Markup.
- Maggering and Hi-pot test of HV & MV cables.
- Review Methods of statement with Construction/Client support.
- Quality management system ISO -9001:2015 on basic needs of the projects.
- Arrange all Original drawings with Document Controller in SEC site office as per Client Requirement.
- Make Variation Order as per Purchase Order if any as per site requirement.
- Checking Tools and equipment's Calibration Certificate and maintain record.
- Responsible for any type of correction / modification made in the IFC Drawings as per requirement at site has to notify the same in Red Mark-up drawings.
- Spare Parts and Special Tools of each system have to prepare for Client approval, supplier Delivery, coding, inspection and final submission.
- Daily Progress Report with Site Pictures of every areas.
- Weekly Progress Report with site pictures of every areas.
- 3-Week Plan (Before+Present+After).
- Send BI Weekly QA/QC Report to Client.
- Update weekly Percentage (%) in all installation activities and send to H.O for Client bi weekly report.
- As per Purchase order check and balance the material updates.
- Verify the Invoice as per Purchase order and Delivery Note and proceed To H.O.
- Arrangement for tool box talk on daily basis.

- Coordinate with civil via email and update Electrical site team before Concrete complete rebar earthing, then Electrical team make sure about that Rebar Earthing is ok or not that Concrete area.

### **Job profile # 2:**

**COMPANY:** Vijai Electricals Ltd. (India)  
**DURATION:** December 2013 to December 2016  
**DESIGNATION:** QA/QC ELECTRICAL ENGINEER  
**PROJECT:** 66/ 11kV AIS Substation, 1.0Km Span 66kV UG Cable, 66kV Switchyard Bay Extension at 220/66/11kV at NV Distilleries & Braveries Pvt. Ltd. Rajpura, Punjab

### **Responsibilities as QA/QC Electrical Engineer-**

- Electrical Design including wiring diagrams, Selection of Electrical Equipment's such as Circuit breaker, Cable sizing, Voltage drop calculations, Distribution board, Transformers etc.
- Material receiving inspection/storage and Preservation Installation of Power Generators, NGR, Switchgear's installation and testing of Motors.
- As per Project Specifications Received Electrical materials visual inspection and storage Preservation.
- Material inspection based on international Standards. NEEMA, IEC, ASTM, ANSI/IEEE.
- Material items P.V.C. Conduits, HDG Conduits, Cable Tray and Fitting, Power and Control Cables.
- Distribution boards, Low Voltage and Medium Voltage Switchgears, Motor control Centres, LCS, UPS and Battery Charger Normal and Emergency Lighting Fixtures, Fire alarm materials, building electrical materials and Building and Plant Telecom materials (Telephone, PAGA system, CCTV, LAN & Radio system).
- Switchgear and Motor control centre function test with Vendor:
  - Bus bar Conductivity and hi -pot test.
  - CT/VT Polarity and Ratio test.
  - CT/VT Insulation and winding Resistance Test.
  - Function test of relay protection.
  - VCS and VCB Contact Resistance test.
  - Function test of VCB, VCS and Earth Switch.
- Responsible of Preparation of Bill of Quantity of material for Supply, Testing and Commissioning of projects.
- DB, SMDB, MDB, MCC Load Scheduling.
- Sizing of Transformer, Capacitor Bank, Standby Generator.
- Internal wiring of Building along with Fire detection system.
- Installation of LT Panel, Synchronization of Panels, Including Copper/ GI Strip Earthing.
- Installation of Distribution Board Internal Wiring of Raw power & Lightning.
- NGR installation and Insulation Resistance test, final visual inspection, 33KV Switchgear installation inspection and function test with Vendor.

### **Job profile # 3**

**COMPANY:** Excel Control Linkage Pvt. Ltd (India)  
**DURATION:** December 2012 to December 2013  
**DESIGNATION:** TRAINEE ENGINEER

#### **Chief Tasks Handled**

- Plan and schedule projects, estimate time and materials, supervise subordinates.
- Maintain records and files and prepare reports.
- Plan and supervise the work of electricians.
- Plan and estimate electrical jobs.
- Maintain records on electrical jobs and assign to appropriate personnel.
- Assist in coordinating job assignments with the other trades, e.g., plumbers, Carpenters, etc
- Assist contractors on jobs.
- Maintain knowledge of electrical materials in warehouse.
- Advice coordinator and assistant director of technical problems concerned with modification and repair of electrical assignments.
- Change notes for any required modification

### **Job profile # 4**

**COMPANY:** ETA Engineering Pvt. Ltd (India)  
**DURATION:** April 2007 to May 2009  
**DESIGNATION:** Supervisor

#### **Job Responsibilities -**

- Monitor Daily/Weekly/Monthly Progress Generate, Daily/Weekly/Monthly **Activity Report** as per project specifications.
- Review of **engineering documents/Drawings with Engineers.**
- Preparation of Installation **Earthing, Lighting & Cable Tray Layouts.**
- Preparation of Installation of **Transformers, Motors, Generators** and Electrical equipment's.
- Installation of **Support** for **tray** and **Lightings.**
- Supervise the work of electrician and worker and ensure them to use proper safety ppe's during the work.
- Responsible for **laying of power and control cable, cable glanding and cable termination.**
- Performing other duties such as reporting job completion and any problems encountered to engineer, obtaining tools and spare parts from warehouse.
- Observed all safety and loss prevention procedure, and exercises good housekeeping practice, keeping workshop and job sites clean and tidy. Obtain required work permit and particular care attention prior to work.

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#### **AREAS OF EXPERTISE:**

- Site Inspection of all types of Electrical Installation / construction activities
- Material Inspection
- Switchgear and Transformers
- Quality Control Analysis

- Grounding, Lightning, Cathodic Protection System.
- Familiar with ARAMCO, SABIC, SEC (Saudi Electricity Company), and Engineering Standards.

### **EDUCATIONAL QUALIFICATION:**

- Bachelor of Technology in EEE from MAHARSHI DAYANAND UNIVERSITY in 2013.
- XII in PCM from JAMIA MILLIA ISLAMIA in 2006.
- Matriculation from Bihar School of Education Board 2003.

### **TRAINING & TECHNICAL EXPERTISE:**

- **DIESEL LOCO SHED, TUGHLAKABAD, NEW DELHI in Indian Railways.**
- MS-Office: MS-Word, MS-Excel, & MS-PowerPoint., India.
- Windows operating system: Windows 95, 2000, XP, Vista, India, & ME.

### **PROFESSIONAL ACCREDITATION:**

- Approved from Saudi Electricity Company as QA/QC Electrical Engineer.
- Registered in Saudi Council of Engineers (Reg. # 644704).

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### **Personal Details:**

Date of Birth : 10<sup>th</sup> September 1988  
Gender : Male  
Father Name : Late Md Islam  
Languages Known : English, Hindi, Urdu and Basic Arabic  
Nationality/Religion : Indian/Muslim  
Passport No : L1802228  
Date of Expiry : 06/05/2023  
Marital status : Married

**Date:**

**Place:** Saudi Arabia

**MD FARHAN ALAM**

Thank you for giving your precious time and kind attention for reading of my resume.  
I look forward to hearing a good response from you in the near future.