

CURRICULAM VITAE

NAME : MOHAMMED MOAZAM FARHAN

Mobile No : +971-582510507

E-mail : enggfarhan06@gmail.com.



B.Tech in Electrical and Electronics Engineering

SUMMARY:

An MEP professional with over 7years of work experience acquired in working with some renowned companies like

- Hyundai Heavy Industries LTD, Jeddah South Thermal Power Plant Project, Jeddah, KSA, as Testing Commissioning Engineer.
- D.C.N.S, Naval Base, Jeddah 'As QC Electrical Engineer'
- Al-Energy Systems Engineering Solutions, Electrical Contracting and Consulting Company, Government Class A licensed, Hyderabad, as an 'Electrical Engineer'

In the field of Maintenance & Design of Electrical Low voltage & Medium Voltage as well as High Voltage Till (132 kVA) systems, Designing, testing and commissioning of Electrical Power Distribution and Control panels.

KEY SKILLS:

- Preparation of SLD, WD, control circuit general arrangements & fabrication drawings for PCC, MCC,
- Design, analyze and propose modification of Substation
- Preparation of Electrical Procedures for Installation, testing & commissioning of high voltage substation.
- APFC, Synchronization & Automation panels.
- Preparation of Cable & DB schedule.
- Preparation of cable, Earthing & lighting layouts.
- Calculations for Cable sizing, Transformer, circuit breaker & UPS sizing.
- Familiar with IEC-60439, IEC-61439, NEMA-PB1 & UL-67 for switchgear assemblies.
- Familiar with IS-3043 for Earthing system.
- Familiar with NFC-17102 & IS-2309 for Lightning system.
- Testing & commissioning of Panels, transformers & motors.
- Excellent skills in dealing the project schedule & execution of work with consultant and client.
- Preparation of Cable & DB schedule, Earthing & Lighting Layouts.
- Carrying out technical site surveys as per requirement.
- Create Schematic, Detailed and Construction design drawings for projects.
- H.T Simulation Test, Load Analysis, Short Circuit Analysis, Arc protection, Using E-Tap software.
- All type of testing of transformer like WR, TR, IR, Oil Testing etc.
- Capable to prepare Estimations for Electrical projects
- Evaluating equipment for suitability as per site and standard requirements.
- Enhancing and maintaining relationships with internal groups and external contractors and clients.
- Traveling and visiting client sites and offices during project definition, detailed design and construction.
- Responding to information requests from construction and ensuring project documentation is completed.
- Interact with client, as necessary to obtain critical design information necessary to complete the project within the given timelines.
- Troubleshoot machine breakdowns and provide preventive maintenance & reducing breakdown time of

machinery

- Diagnosing electrical fault
- Supervising technical staff and ensuring compliance with health and safety legislation
- Support the company in increasing profitability by managing resources efficiently and making necessary recommendations
- **Familiar with:**
 - Programmable Logic Controllers, SCADA Software, Distributed Control Systems, Variable Speed Drives, Human Machine Interface
 - Autodesk2018,
 - Revit 2018. (Building Information Modeling)
 - Siemens, Reydisp, For VCB Relays Configuration.
 - E-tap
 - HAP
 - Macquay
 - Equipment Selector

WORK EXPERIENCE:

- Working as Project Engineer with **ENRUN INDIA**, Hyderabad from **November- 2019 to Dec 2020**

Job Responsibilities :

- Responsible for Designing of HV and LV distribution for Commercial, Residential and Industrial projects for Food Industry, Malls etc..and preparing SLDs for the same
- Construction and Installation Of 132KVA Substation Pathalaya Substation ICB-PM
- Design Supply Installation Testing Commissioning Capacitor Banks Grids
- Preparing the Load list and selection of PCC, MCC& DB
- Responsible for preparation of control wiring diagrams/circuits (Control and Power Wiring Of Starters) & fabrication drawings for PCC, MCC, APFC, VFD Synchronization & Automation panels as per clients specifications and supervising the workflow from tendering stage to commissioning of the product.
- Responsible for preparing the Load Schedule and Selection of DB as per the Load Schedule.
- Responsible for preparing the Single Line Diagram for Panels.
- Designing the Lightning , Power and UPS layout for the given project.
- Site visit to get the complete idea of the project.
- Responsible for cross checking of all recorded consumption & interruption details of all feeders
- Responsible for daily inspection all relay panels including transformer bays, reactor bays and feeder bays, bus section, bus coupler etc.
- Responsible for inspection of fire panel and FM 200 panel, check if any alarms are present and availability of fire fighting cylinders inside the station
- Responsible for inspection of overall physical conditions of transformers ,circuit breakers ,relays and Cooling fans.
- Load analysis, Short circuit calculations and Voltage drop calculations.
- Installation , Dressing and Termination Of DB , SMDB , MDB , Feeder Panels.
- Supervision of site Installation , Inspection & Testing.
- Working according to project location standards & regulations.
- Studying a client provided design brief & assessing project requirements to define scope of project.

- Responsible for preparing the Load Schedule and Selection of DB as per the Load Schedule.
- Responsible for preparing the Single Line Diagram for Panels.
- Designing the Lightning , Power and UPS layout for the given project.
- Site visit to get the complete idea of the project.
- Responsible for cross checking of all recorded consumption & interruption details of all feeders
- Responsible for daily inspection all relay panels including transformer bays, reactor bays and feeder bays, bus section, bus coupler etc.
- Responsible for inspection of fire panel and FM 200 panel, check if any alarms are present and availability of fire fighting cylinders inside the station
- Responsible for inspection of overall physical conditions of transformers ,circuit breakers ,relays and Cooling fans.
- Load analysis, Short circuit calculations and Voltage drop calculations.
- Installation , Dressing and Termination Of DB , SMDB , MDB , Feeder Panels.
- Supervision of site Installation , Inspection & Testing.
- Working according to project location standards & regulations.
- Studying a client provided design brief & assessing project requirements to define scope of project.
- Creating and modifying electrical instrument & equipment.
- Follow up with clients & vendors in case of any technical issues clarification.
- Produce design drawings / documents that meets quality, target, timing and project specification requirements.
- To ensure quality & timely execution of projects ensuring adherence to safety standards at site and maintaining documentation.
- Time/cost cutting/reduction with reference to base estimate through value engineering.

Project Details:

Project Name: - City Capital Mall.

Project area : - 14,00,000 sq ft

1. Total load connected to building: 19MVA,
2. Total transformers connected: 8 no's.
3. Transformers connected for main load: 5 transformers of 2500 KVA
4. Transformers Connected for HVAC: 1500KVA (1 no) 2500KVA (2 no)
5. Main incomer connected: 4000 Amps ACB (5no's) for utility and lightening load,
6. Main incomers connected for HVAC: 4000 Amps (2no's) and 2500Amps (1 no).
7. Diesel Generator: 1010KVA(1 no) & 750 KVA(10no's).
8. Capacitor Bank's connected: 7600KVAR

HVAC DETAILS:-

1. Total No of Chillers: - (5no's) 739KW
2. Cooling Towers:- (24 no's) 7.5KW
3. Primary Pump :- (5no's) 55KW
4. Secondary Pump :- (5no's) 110KW
5. Condenser Pump :- (5no's) 90KW

- Worked as QC Electrical Engineer with **Tanmia Oil & Construction ltd**, in Al Hasa KSA. **From NOV 2017 – NOV 2019.**

Job Responsibilities :

- Responsible for supervising of all electrical activities.
- Responsible for all Electrical Inspection Related to Installation, Testing, Commissioning, Etc.
- To Attend All Electrical Inspection with Client/Contractor Representatives.
- To Conduct Inspection for all Electrical Material Deliveries.
- Prepare Daily QA/QC Report Regarding Inspection, material, Non-Conformances Etc.
- To Submit Inspection Request in Coordination with Concerned Site/Project Engineer.
- Prepare method statement and ITPs Coordination with QA/QC Manager
- Responsible for planning of scheduled PPM tasks and executing the planned tasks in planned time
- Responsible for receiving electrical related complaints from the clients and allotting of electricians on the job to clear the complaints (corrective Maintenance)
- Responsible for Maintaining daily records of PPM and CM tasks
- NCR Rectification
- Providing Regular Written Reports and Support With QA/QC Manager
- Responsible for maintaining the records of all electrical appliances,
- Responsible for scheduling the shifts for Electrical supervisors and electricians as per the requirement
- Responsible for carrying out each electrical task with proper PPE
- Installation of Control Circuits & Electrical Operational System

- Worked as a 'Testing Commissioning Engineer with **Hyundai Heavy Industries LTD.** Jeddah South Thermal Power Plant, KSA. from **Feb 2016 to Oct 2017.**

Job Responsibilities:

- Responsible for Maintaining and Operating of 33KV/440V indoor substation of company
- Responsible for Maintaining and operating of two power transformers of 2MVA rating each
- Responsible for Maintaining and operating of 3 Diesel generator sets of each 1250KVA rating
- Tap changing of Power transformers according to the voltage levels
- Testing and commissioning of Transformers, Medium Voltage Switchgear, Low Voltage Switchgear, power motors and Emergency Diesel Generators.
- Testing and commissioning of 480 V, Worked on Hyundai Panels. Performed CT Test, VT Test, Meter Calibration, Scheme Check, Wiring Check, and Bus bar Contact Resistance, GE Protection Relay Test, Circuit Breaker Timing Test, Insulation Resistance and High Voltage testing. Performed testing for Generator Circuit Breaker.
- Performed testing and commissioning of dry type and oil type transformers of different capacities, Worked on Hyundai and Hitachi Transformers. Performed CT Tests, Turns Tap Ratio, Vector Group, Calibration of WTI & OTI, Functional Test of OLTC, Insulation and Winding Resistance testing of different types of transformers.
- Testing and commissioning of power motors of different capacities. Performed insulation, winding resistance Test of Motors.
- Worked on PLC SIMATIC WinCC (Siemens based protection system software) for Emergency Diesel Generators of capacity (3 x 8.7 = 26.1 MW).

- Preparing and sending the daily down time and utilization report.
- Trouble shooting real time issues working with team.
- Responsible for Maintaining daily log books of all electrical equipment of substation and plant
- Responsible for preparing monthly reports of substation and energy consumption.
- Responsible for Scheduling PPM for all Substation equipment's and Plant equipment's.
- Responsible for Installation of PCC and MCC panels and cables laying, termination and commissioning.

➤ Worked as an Electrical QC Engineer with **D.C.N.S** Naval Base Jeddah KSA **Jan 2015** to **Jan 2016**.

Job Responsibilities:

- Perform Routine Checks on Equipment's and documented them.
- Schedule and planned maintenance work carried on Equipment.
- Prepared Technical Specification For all Maintenance Work Carried on Equipment and Mention
- Ensure Project Completion within Budget and on schedule.
- Tested All Products for Correct Installation and Operation.
- Maintain all Safety Quality of all project Material.
- Documented and Submitted all Conducted work Report.
- Manage Distribution and Power Generation of Ship.
- Preparation of General Arrangement (GA) drawings, Panel Component Layouts,

➤ Worked as an Electrical Site Engineer with **AI Energy Systems Engineering Solutions Pvt. Ltd.** at Hyderabad from **June 2013** to **Jan 2015**.

Job Responsibilities:

- Maintained Good Professional Relationship with Suppliers and Contractors
- Evaluated and Resolved All Project Technical Problems.
- Ensure Project Completion within Budget and on schedule.
- Tested All Products for Correct Installation and Operation.
- Kept All Client Architects and Consultant Updated on Project Progress.
- Maintain all Safety Quality of all project Construction Material.
- Documented and Submitted all Conducted work Report to Client.
- Preparing the Load list and selection of PCC, MCC& DB.
- Preparation of General Arrangement (GA) drawings, Panel Component Layouts, Single Line Diagrams (SLD) using AutoCAD Electrical/Mechanical tool

ACADEMIC PROFILE:

<u>Course</u>	<u>Year of Study</u>	<u>College /University</u>
B.Tech (Electrical &Electronics Engineering)	2009-2013	JNT University, Hyderabad
Intermediate (MPC)	2007-2009	Narayana Jr. College, Hyderabad
SSC	2006-2007	St Stephens High School

CO-CURRICULUM ACHIEVMENTS :

- Attended so many paper presentations and won the prizes
- Attended **RENEWABLE ENERGY RESOURCES** a two day work shop held in **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD.**
- Good at Logical thinking, Self-Driven/Self-Motivating personality
- Can easily gel with the people, Positive attitude personality
- Ready to work in 24/7 environment
- Good leadership qualities

PERSONAL DETAILS :

Passport No : U8550029, Expiry: 04 -JAN-2031
Father's Name : Mohammed Saleh
Nationality : Indian
Date of Birth : 09/04/1991.
Driving License : India, Saudi Arabia
Gender : Male.
Marital Status : Married.
Languages known : English, Arabic, Telugu, Urdu, Hindi.
Visa Status : Visit 3 Month

DECLARATION :

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place :
Date :

Mohammed Moazam Farhan
(Signature)