

# MUHAMMAD AKMAL

**Sr. Electrical Engineer-Project**



**Education: MSc-Elect, B-Tech-Electrical Power Technology.**

**CAT-A Electrical Engineer** (CRPEP Bahrain), **Electrical Engineer** (Saudi Council of Engineer)

Current Location: Manama, Bahrain

Skype: mezoob, Mobile: +923336571128, **+973 66362898**

E-mail: Akmal1128@Hotmail.com,

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## Summary

A multi-talented highly driven Team Leader and Senior Electrical Engineer with experience completing turnkey electrical and delivering projects in both the public and private sectors including **Nuclear Power Plant, substation's Construction and O&M.**

Starting my career within a troubleshooting and maintenance role in Nuclear Power Plant, I then started working for a Contracting business where I've learned from the ground up how projects are put together, managed, and delivered effectively. Once I'd gained this experience, I made the move to work for a Contracting firm in Saudi Arabia where I've since also moved my career into managing & supervisory roles.

Now with 15yrs experience in the industry, I am focused on continually challenging and developing my career by keeping abreast of all relevant changes allowing me to offer the right advice to ensure projects are on time and within budget.

### My key skills include:

- Developing project proposals and budgets.
- Supervising a team of Electrical engineers at all levels including subcontractor and contractor staff, on multiple projects.
- Managing all aspects from design review and installation to commissioning and troubleshooting for electrical systems.
- Inspection as well as efficiently diagnosing and rectifying issues minimizing downtime and improving operational effectiveness.
- Lead the Substation Design Team and review BOQ of Substation material & manage the Procurement Process with Coordination of supply chain department.

### Equipment Experience Includes:

Nuclear Power Operating system, 220/132/110 KV GIS, 33/13.8/11 KV & 440/220V MV/LV Switchgear, Power Transformer(150MVA,100MVA67MVA), Reactor, Fire & Life Safety Systems, Stand-By Generators, MV/LV Cables & Wires, Telecommunication System, HVAC, Data/Tel.& Access Points, Access Control & Security, Earthling & Lightning Protection Systems.

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## Education

- ▲ **Master of Science (Electronics).**
- ▲ **Bachelors of Electrical Engineering Technology (Electrical Power)**

## **Professional Training**

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- ⤴ **Nuclear Power Plant & Substation Technology.**  
CHASNUPP Centre for Nuclear Training, Pakistan
- ⤴ **Radiation Protection & Safety Training.**  
CHASNUPP Centre for Nuclear Training
- ⤴ **Electrical Safety & Fire Fighting Training.**  
CHASNUPP Centre for Nuclear Training
- ⤴ **RFO-I (Refuelling outage-1). Management Training Session.**  
CHASNUPP Centre for Nuclear Training
- ⤴ **ERP (Oracle E-business suite R12, P2P, Supply chain Management system)**  
Al Mashariq C.
- ⤴ **PROLOG Training.**  
Al Mashariq C.
- ⤴ **PV (Solar System) Design & Installation.**  
SEC
- ⤴ **35PDU PMP Training.**

## **Professional Experience.**

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### **S. Project Engineer-Electrical**

**December 2019 to till Now**

Al Ramali 220/66KV BSP Substation, **Kingdom of Bahrain.**

Saudi Mashariq Trading & Contracting Company, Kingdom of Bahrain

### **S. Project Engineer-Electrical.**

**September 2016 to December 2019**

Al Ferdous 110/13.8KV Substation Jeddah, Saudi Arabia.

Al-Mashariq Trading & Contracting Company, Saudi Arabia

### **Project Engineer / Act. Site Manager**

**March 2014 to September 2016**

Mokhatrah 132/33/13.8KV Substation Jizan Saudi Arabia

Al-Mashariq Trading & Contracting Company, Saudi Arabia

### **Electrical Engineer -Project.**

**May 2010 to March 2014**

Chashma Nuclear Power Plant-II, Pakistan

### **Electrical Engineer-O&M**

**July 2007 to May 2010**

Chashma Nuclear Power Plant-I,

### **Sub Engineer Elect/Diesel**

**Aug 2000 to May 2001**

Locomotive Workshop Pakistan Railway Lahore

## **Key Responsibilities**

- ✓ Managing and coordinating the activities of the overall project at the site.
- ✓ Managing the budget and cost of all activities of the project.
- ✓ Work as a substitute for Electrical Design Coordinator, Site Manager, and Electrical QA/QC as per time to time requirement.
- ✓ Coordinating with concerned SEC's Project Engineering and Design Departments and Design Consultant for the approval of the design.
- ✓ Coordinate and follow up with Design Coordinators for Design issue as well as with vendor for technical issues.
- ✓ Review the BOQ as per design & SEC specification and coordination with supplier for quotation & finalize punches order.
- ✓ Preparation of Daily Progress Monitoring Sheet, to watch that, project progress is going as per scheduling and planning and its submission to PMD Engineer at Site.
- ✓ Allocation of Manpower as per the quantum of work at the project site with coordination of site Manager & Engineers
- ✓ Planning, organizing, and assigning the task to staff and prioritizing multiple activities to finish the work in a stringent time.
- ✓ Coordinate with Subcontractors and monitor the activities related to Civil, Electrical, and mechanical works.
  
- ✓ Supervisor the Electrical Maintenance & Troubleshooting for Power plant & substation Electrical component & equipment for preventive & corrective maintenance.
- ✓ Preparation & float of RFQ for Substation & Plant equipment including Cable, switchgear, Grounding system, CCTV System, Fire Alarm/Detection and Suppression System, different required material and Assured power supply system,
- ✓ Coordinate with O & M Team Member for safe & proper hand over of system after Testing & Commission of different systems of Nuclear Power Plant.
- ✓ Trouble shooting for Electrical equipment installed at different system of Nuclear Power plant.
- ✓ Directly participate in the installation of radioactive waste system installation, Power transformer Installation, BOP system of the plant,
- ✓ Prepare the plan for preventive, scheduled maintenance after discussing the operation team.
- ✓ Preparation of daily reports for complete work and huddle with realistic remedy.
- ✓ Preparation and execution of OTOs (Order to operate) to isolate the system or equipment for maintenance, by assuring the safety and operability of the plant.
- ✓ Strong ability to handling different operational emergencies and system transients with the quick and effective operational response
- ✓ Maintaining a chronological detailed operation log of all operational activities.
- ✓ Supervision of maintenance work to ensure plant, equipment, and personal safety.
- ✓ Sufficient knowledge and operational experience with DCS, PLCs, and Control Panels.
- ✓ Coordination with Site Manager for site and construction needs and on-site with

- the Company representatives and Subcontractors.
- ✓ Implementation of Quality and safety Plan at the construction site.
  - ✓ Attending project management review meetings.

### **Personal Information:**

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**Father's Name** : Muhammad Anwar  
**D.O. B** : 20<sup>th</sup> February 1981  
**Passport No.** : AB1356913  
**Religion** : Islam  
**Marital Status** : Married  
**Spoken languages** : English & Urdu  
**Domicile** : Punjab  
**Blood Group** : B+ve  
**Depended** : 02 (Wife & Son)

### **Membership**

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CAT –A Electrical Engineer CRPEP Bahrain  
Register Professional Engineer Technologist  
Member of Saudi Council of Engineers.

### **Computer Skill**

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MS Office, MS Project, ERP. Prolog, Visio, Micro station, & other Engineering Software.

### **Strengths & Personnel Skill**

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- ✓ Time Management skills
- ✓ Analysing and improving Engineering and Administrative methods.
- ✓ Excellent Team management skills
- ✓ Good at AutoCAD drawings
- ✓ Multiple demands handling

### **Referees**

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**Can be provided on request**