

IMRAN KHAN

Electrical Engineer

Umluj Tabuk Region, Saudi Arabia

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PEC Registration: ELECT/56370

Total Experience: 09 years

Availability: Immediately

Iqama: Transferable



Career Synopsis:

I seek challenging opportunities to apply my Project Management and Electrical Engineering skills to give an efficient and effective solution that would help the organization to achieve the desired goals in business and technology. With more than 9 years of progressive experience in the Electrical/MEP Engineering, Technical and Project management field, I am confident in my ability to make a meaningful contribution to a team. Throughout my career, I have honed my skills through a range of roles in different fields of electrical from installation to pre-commissioning and Operation, Construction and design management. This diverse experience has equipped me with the ability to handle complex projects that require attention to detail and critical thinking. I have a track record of delivering successful projects within the required timelines and budget while ensuring the safety of all involved. I am also knowledgeable in the latest industry regulations, and I am confident in my ability to apply these standards to my work. Furthermore, I am a team player who understands that communication is an essential component for success of any organization. Having worked with professionals from different disciplines, I'm able to collaborate and integrate with different departments in any organization for effective project execution.

Academics

BE - Electrical Engineering

Abasyn University Peshawar Pakistan

FSc - Pre-Engineering

Govt. Higher Secondary School Balogram, Swat Pakistan

Work experience

□ **Shandong TIEJUN Electric Power Engineering Company – SEPCO-III**

Electrical Engineer / MEP Engineer, June 22 – Till now

- **Red Sea Public Utility Asset and Infrastructure PPP Project. (KSA)**
- **Red Sea International Airport, KSA**
- ✓ Developing management plans and provide sub-contractors with execution drawings, ensure that works are executed as per drawings, and evolving as scheduled, check on the quality of works deliverables and specs to ensure a proper design implementation.
- ✓ 110 KV/380KV Sub Station, experienced in Equipment erection and installation.
- ✓ Experienced in installation of ELV cables and devices.
- ✓ BMS, Electrical System, testing and commissioning.
- ✓ Installing of Solar panels and substation work experience.
- ✓ Power generation, transmission and distribution, as well as commercial and residential electrical systems.
- ✓ Review and submission of ELV/MEP shop drawings and BIM models to the client/Consultant for approval.
- ✓ Prepare Request for Information (RFI), generates change order and/or work orders.
- ✓ Supervision/Inspection of earthling, bonding works and Lightning system.

- ✓ Power cables, lighting fixtures, switches, sockets termination and testing.
 - ✓ Commissioning of Solar power plant, BESS (Battery energy storage system), solar inverter, PCS (power conversion system), 33kv, 13.8 KV breaker.
 - ✓ Operation, maintenance & commissioning of Circuit breaker, switchgear and Power Transformer and Motor.
 - ✓ Operation of 33KV & 110KV GIS Switchgear with SCADA System.
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- ✓ Test electrical system and continuity of circuits in electrical wiring, equipment and fixtures, using test devices such as megger, ohmmeters, multimeter, clamp meter to ensure compatibility and safety of system.
 - ✓ Emergency handling during abnormalities (Grid failure, Islanding, blackout condition etc.)
 - ✓ LV Cables and MV Cables Testing (IR & Continuity test, Hipot Test)
 - ✓ Illumination and electrical devices viz MV/LV system, UPS & DC systems BSDG/EDG Etc.
 - ✓ Daily inspection & preventive maintenance of 3x285 MVA, 90,55 MVA Transformer, Motor, Circuit Breaker, LT outgoing feeders.
 - ✓ Coordination with all engineering discipline during installation of Electrical devices of HVAC controls, room thermostats, door security system and devices telephone outlets and television system devices and equipment, including lighting, system and fire detection system.
 - ✓ Ensures that all the work complies with the Design criteria, IFC, Shop Drawings, ITP and Standards.
 - ✓ Estimates, Prepares & assigns the resources such as Manpower, Materials, Equipment, Tools etc. required for all Electrical and related works Prior to Execution.
 - ✓ Panel Installations/Termination such as DCP/DDC, MCC, Network Switches and UC Panels according to wiring diagrams and as per the specified standards.
 - ✓ Coordinate the installations of Panels/Field Devices with Civil, Fire Alarm, MEP and other contractors to avoid conflicts and ensure seamless execution.
 - ✓ Installation/Termination of Field devices such as Temperature, H2, CO2, Humidity, Pressure sensors etc.
 - ✓ Installation/Termination of Field devices in MEP Equipment such as AHUs, CHWP, DWP, and FFP etc.
 - ✓ Making sure that all Network Switches are looped by CAT.6 or Fiber Optics cable.
 - ✓ Perform Continuity Test, Insulation Resistance Test and Visual Inspections.
 - ✓ Verify setting out / layouts of 1st Fix, 2nd Fix and 3rd Fix of all BMS Electrical elements.

□ **Tamear – Saudi Real Estate Construction Company –Nov 19 – March 22**

Electrical Engineer (MEP)

● **Al Rimal 511 Villas Project (Riyadh, KSA)**

- ✓ Handled most of the above-mentioned responsibilities.
- ✓ Responsibility includes review and evaluation of shop drawings and technical documents to include, preparation

of material samples to be discussed to the project Manager, such as Intercom System, fire and smoke detection system, Telephone system, HVAC controllers and devices MV & LV cables, fiber optic cables and telephone.

- ✓ Coordinate construction, installation, maintenance, support, documentation, and testing activities to ensure compliance with specifications and Projects requirements.
- ✓ Inspect the installations of DB/SMDB, Fire Systems, LV Systems, switches, sockets and light fittings.
- ✓ Inspect electrical elements to confirm accuracy with approved Shop Drawings.
- ✓ Witness electrical tests and inspections in accordance with Contract Requirements.
- ✓ Inspect conduit installations & wiring for all electrical services.
- ✓ Witness all prescribed tests for testing and commissioning of Electrical Systems.
- ✓ Assign targets for accomplishments & Ensure targets are met on daily basis.
- ✓ Design knowledge of Electrical & plumbing (drainage & water supply) system.
- ✓ Review and prepare all MEP technical queries & submittals submitted by contractor to consultant.
- ✓ Coordination with client, project management, consultant, sub- contractors and making necessary changes in shop drawings to suit the site conditions.
- ✓ Ensures the quality records, acceptance certificates and the documentation for specific systems and Buildings/areas are prepared and collated in accordance with project requirements.

□ **Vital Engineering / IBM – Electrical Site Engineer, 12th Sep 18 – 12th Oct 19**

- **IBM Data Center Facility - PKLI**

- ✓ Practically worked in tier 3 Data Center.
- ✓ All Electrical related works, Planning and reporting.
- ✓ To have close coordination with customer, Consultant and internal management with respect to the complaints escalated by Private and semi government authorities.
- ✓ Manage the design, construction, installation, configuration in scope of Data center infrastructure.
- ✓ Site Survey /Identification of communication rooms at all sites.
- ✓ Staging, Inspection & Site Preparation.
- ✓ Equipment Installation and Commissioning at locations/Site integration.
- ✓ Laying, monitoring installation of conduits and sleeves for MV, LV and ELV Systems.
- ✓ Daily plan sharing and progress report with Client/Consultant.
- ✓ Quality control and quality assurance.

□ **Huawei Technologies - Project Coordinator, 7th Aug 17 – 6th Aug 18**

• **PSCA V8 Project**

- ✓ Site visits regarding CW and Cable Pulling.
- ✓ Supervising the ELV cables and Fiber Pulling in Pipes according to SLD.
- ✓ Before and after laying OTDR testing of underground OFC.
- ✓ Maintenance & Troubleshooting of the Fiber Optic Cable, HDD, and carried out MDT (Maintenance down Time) in LDN (Long Distance Network) and Access Network.
- ✓ Conducted surveys, installation, expansions, migrations, and pre-acceptance testing (PAT) for various equipment.
- ✓ Monitoring of Installation of ODF & ODB for FTTH project.
- ✓ Supervising the OSP civil work, Making of HH/MH pits and installation of HH/MH, making of trenches, pipe laying and coupling, Nala and Bridge attachment, back filling and Re-instatement as per specifications and ensuring the quality.
- ✓ Supervised the RCC batching plants and inspecting the Hand Hole/Main Hole Pouring.
- ✓ Data collection and updating daily Progress tracker of OFC and CW.
- ✓ Gather data from all SE's regarding CW, Main fiber Pulling, Drop Fiber and send over all progress report to client and consultant.
- ✓ Updating Master Tracker on Microsoft Excel of OSP and OFC work on daily basis with signed checklist from the customer.

□ **Peshawar Electric Supply Company - Jr. Electrical Engineer, 16 June 16 – 15th June 17**

• **Water and Power Development Authority Pakistan - WAPDA**

- ✓ Supervised different sites regarding HT (11kv) & LT (440v) line faults.
- ✓ Worked in power generation, transmission and distribution, as well as commercial and residential electrical systems.
- ✓ Worked/Supervised feeders' fault, power distribution and transmission.
- ✓ Supervised different step-up and step-down transformer's fault.
- ✓ Practical knowledge of all Electrical Engineering related work.

- ✓ Developed Engineering skills necessary to make sure that the electrical system meets industry standards.

- ✓ Supervised different faults in energy meters and power distribution to domestic and commercial places.

- ✓ Have worked efficiently on Microsoft word/Excel.

MINI PROJECTS:

- Thesis Title: Hybrid Power Generation from Solar and Steam. (Bachelor degree Project)
- Automatic street light system (mini project at 5th semester)

24 JAN'2015 CPD 0.5 CREDIT POINTS

Interactive workshop on CPD framework for professional development of Engineers.

JUNE 2015 SOLAR BRYTE PESHAWAR, PAKISTAN.

Attended workshop and seminar on the solar system.

Professional Tools

- Aconex
- Navisworks & BIM 360
- AutoCAD & Revit
- Primavera P6
- Google Earth
- MS Office Suite
- Photo and Video editing tools
- Multi-Meter
- Android and IOS Applications

Communication Skills

- English (Fluent) reading, writing and speaking.
- Urdu (Fluent) reading, writing and speaking.
- Pashto (Fluent) speaking.
- Arabic (Beginner)