

ISHTIAQ AHMAD

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Target Jobs Position : Electrical Engineer | QA/QC Electrical Engineer | BMS & ELV Systems Engineer
Fire Alarm Systems Engineer | Electrical Inspector | Facility Management Engineer

CAREER OBJECTIVE

Seeking a position where I can leverage my technical expertise, extensive experience, and strong commitment to continuous learning to contribute to the success of the organization.

PROFILE SUMMMARY

Accomplished and highly skilled Electrical Engineer with over 15 years of hands-on and supervisory experience in electrical systems, QA/QC processes, low current (ELV) technologies, BMS, and fire alarm systems across healthcare, residential, commercial, and government projects in Saudi Arabia and Pakistan. Proven expertise in inspection, testing & commissioning, facility maintenance, and ensuring full compliance with NEC, IEC, NFPA, and Saudi building codes. Known for delivering high-quality, standards-compliant solutions in both construction and operation & maintenance environments. Adept at coordinating with clients, consultants, and multidisciplinary teams to ensure timely execution, system reliability, and safety excellence.

CORE COMPETENCIES

- Electrical Installation & Inspection
- QA/QC Management & ITP Implementation
- Low Voltage & Extra Low Voltage (LV/ELV) Systems
- Fire Alarm, BMS, CCTV, Access Control, Nurse Call Systems
- Site Supervision, Testing & Commissioning
- Technical Report Writing & Issuing an NCRs.
- Familiar with IEC, NEC, NFPA and NEMA standards
- Project Coordination with Consultants & Contractors
- Electrical Design & As-Built Drawing Review

Professional Experience - 15+ Years

Asian Consulting Engineers (Pakistan)

Project: Tertiary Care Hospital Nishtar-II Multan – (500 Beds Capacity - 4 Floors).

Designation: Electrical Inspector/Engineer

Duration: 18 September 2021 to 25 July 2024

Client: IDAP (Infrastructure Development Authority of Punjab Government) Pakistan

Responsibilities:

- Conduct regular inspections to ensure electrical installations comply with approved drawings, project specifications, and local regulations.
- Monitor ongoing work including cable tray installation, cable pulling, lighting, power systems, and ELV systems (fire alarm, nurse call, CCTV, access control).
- Verify correct routing, termination, and identification of cables and panels.

- Ensure that all materials, products, and installations meet project quality standards and are compliant with international codes (e.g., NEC, IEC) and local authority regulations.
- Witness testing and commissioning activities including insulation resistance, continuity, functional testing of systems (LV panels, DBs, emergency lighting, etc.).
- Review and verify Method Statements, ITPs (Inspection and Test Plans), and checklists submitted by contractors.
- Coordinate with contractors, consultants, and other discipline engineers (mechanical, civil, architectural) to resolve interface issues and ensure smooth progress.
- Attend technical and progress meetings and provide updates on electrical works status.
- Issue NCRs (Non-Conformance Reports) and follow up on corrective actions as needed.
- Maintain daily and weekly inspection logs and prepare detailed site inspection reports.
- Review contractor's shop drawings, material submittals, and As-Built drawings.
- Verify red-marked drawings and ensure final documentation reflects actual installation.
- Monitor contractor's compliance with HSE policies and electrical safety practices on site.
- Supervise final testing and commissioning of all electrical systems including standby generators, UPS, lighting control, and emergency systems.
- Ensure all test reports, O&M manuals, and certifications are complete and submitted in line with project closeout requirements.

The Grand Builders Multan.(Pakistan)

Designation: Electrical Engineer

Duration: 2 March 2017 to 15 September 2021

Projects: Buch Villas & International Hospital Multan Pakistan

Responsibilities:

- Monitor Site Execution as per Approved shop Drawing & Schedule.
- Preparation Shop, as built & Coordination Drawing's. & Submission to Consultant.
- Electrical material quantification and raised timely material demand.
- Earthing and Grounding of complete equipment and structure of the building as per drawings and NFPA Standards.
- Close Coordination with Client, Consultant & other Department for smooth execution of site work.
- Preparation of work Progress and closely monitor the site execution and ensure the successful completion of given task in time.
- Installation testing & commissioning of 15KVA,60KVA,120KVA,160KVA Uninterrupted Power Supply System.
- Detail Engineering and installation of 10 loop addressable Fire alarm, Queue Management, Nurse call system)
- Testing of 5 No's Main LT Panels in accordance with the international standards (IEC-60947-2, IEC-61439-2).
- Conduct Cables continuity & insulation resistance test on reel/Drum. Laying of Power cables in trenches, cable tray, Conduit's as per ITP, IFC.
- Perform inspection of cable trench's & cable tray as per IFC, ITP before cable laying.
- Conduct cable tray material inspection, installation of cable tray as per international code NEMA VE-2. (GI Cable tray 100mm,150mm,300mm,450mm,600mm).
- Installation testing & commissioning of ACP & LT Panels in line with approved IFC & ITP.
- Lead Site Engineers, Supervisors and Guide them for proper execution of work at site as per approved IFC.

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- Lead Site Engineers, Supervisors and Guide them for proper execution of work at site as per approved IFC.
- Prepare RFI notification for client inspection on material, & Pre-commissioning activities.
- To conduct the inspections of all electrical and instrument construction phase activities as per approved ITP & Project specification.

Proger Engineering & Management - (Saudi Arab)

Designation: Electrical Inspector

Project : King Abdullah Projects (KAP -3), Riyadh

Duration : 08 March 2014 to 24 September 2016

Responsibilities: (Electrical inspector)

- Conduct inspections of electrical installations (wiring, panels, conduits, and equipment) to ensure compliance with project specifications, electrical codes (IEC, NEC), and safety standards.
- Perform material receiving inspections for electrical components, ensuring compliance with IEC 60502-1 (Power Cables), IEC 61537 (Cable Trays), NEMA VE-1/VE-2, and other applicable standards.
- Supervise and inspect cable laying in trenches, cable trays, and conduits, ensuring proper routing, support, and protection.
- Review and verify electrical drawings, shop drawings, and material submittals for compliance with design specifications and standards.
- Earthing and Grounding of complete equipment and structure of the building as per drawings and NFPA Standards.
- Monitor installation, testing, and commissioning of low-current systems, including fire alarms, BMS and CCTV.
- Inspect grounding and lightning protection systems for proper installation and functionality.
- Conduct electrical testing, including insulation resistance, continuity, and functional tests, ensuring system reliability.
- Ensure compliance with safety regulations (OSHA, NFPA) and maintain a safe working environment on site.
- Document inspection findings, prepare reports, and maintain accurate records of inspections, tests, and approvals.
- Coordinate with site engineers, QA/QC teams, contractors, and client representatives to resolve technical and quality issues.
- Closely cooperate with Project management Team, HSE (health, safety and environment), contractor and another department in project implementation required.

BT Advanced operation and Maintenance (Saudi Arab)

Designation: Electrical & Low Current Engineer

Project: (MOI) Ministry of Interior – (Riyadh & Jeddah)

Duration: 18 June 2011 – 31 December 2013

Responsibilities:

Electrical Systems:

- Design, review, and implement electrical systems, including power distribution, lighting, and control systems.
- Perform load calculations, short-circuit analysis, and ensure balanced power distribution.
- Participate in progress review and technical meetings.

- Conduct site inspections to verify compliance with design specifications, codes (IEC, NEC), and safety standards.
- Prepare daily, weekly, and monthly progress reports for electrical works.
- Facilitate inspections and approvals with consultants and client engineers.
- Manage cable laying, termination, and connections for power, lighting, and control circuits.
- Monitor and maintain electrical grounding and bonding systems for safety and compliance.
- Coordinate with project managers, contractors, and other engineering disciplines for seamless project execution.

Low Current Systems:

- Develop and review shop drawings, method statements, and Inspection Test Plans (ITPs).
- Design, implement, and maintain low-current systems, including Fire Alarm Systems.
- Installation and testing of smoke/heat detectors, control panels, and notification devices (NFPA 72 compliance).
- CCTV Systems Setup, Public Address Systems installation.
- Building Management Systems (BMS) testing and commissioning with HVAC.
- Nurse Call Systems: Installation and testing of patient call devices and integration with hospital management systems.
- Conduct inspections, functional tests, and final commissioning for all low-current systems.

Amjad Textile Mill Multan, Pakistan

Designation: Electrical /Electronics Engineer

Project : Staff Accommodation Multan

Duration : 06 February 2009 to 05 June 2010

Job Description:

- Generally responsible for implementations and monitoring of all electrical related works at site.
- Prepares the resources materials, consumables, equipment, tools, etc. Required for all electrical and related works and coordinates to mechanical, civil groups prior to execution.
- Installation of electrical and low current point's conduit & inside devices boxes, EMT conduits and rigid conduits.
- Monitoring wiring & final fix for lighting & Receptacles, Data & telecommunication and Fire alarm system.

Al Shan Construction Company Multan (2004 to 2005)

Designation: Electrical Supervisor

Job Description:

- Supervision of all electrical work on the site such as, Pulling the cable, Installation of LV Panels, MDB, DB, and MCC Panels EMT conduits & rigid conduits, Cable Tray and Trucking for LV & ELV services and Installation of Switches, Sockets, Disconnect Switches and Light Fixtures .

EDUCATION:

- **Bachelor of Technology Honors (B.Tech Hons) in Electronics/Electrical**
Global Institute, Lahore, Pakistan. -
- **Bachelor of Technology (B.Tech Pass) in Electronics/Electrical.**
Bahauddin Zakariya University, Multan, Pakistan. 2006 - 2008
- **Diploma of Associate Engineer in Electronics (D.A.E)**
Punjab Board of Technical Education, Lahore – 1998 - 2001

PROFESSIONAL TRAININGS

- PMP Training Certificate 2014 (Online), Primavera P6, AutoCAD.

PERSONAL DETAILS

- Date of Birth : 13 October 1981
- Marital status : Married
- Hobbies : Learning, Playing Cricket
- Personal Traits : Committed, Hardworking and Team Player
- Language Known : English, Urdu, Arabic ,Punjabi,
- Nationality : Pakistani