

WAQAS AHMED AWAN

Makkah, SAUDI ARABIA

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Iqama: valid up to 21 May, 2026

Transferable Iqama: Yes

Immediate available: Yes



QA/QC ELECTRICAL ENGINEER

CERTIFIED LEAD AUDITOR ISO 9001(2015) CQI/IRCA

NEOM APPROVED QC

MEMBER SAUDI COUNCIL OF ENGINEERS (SCE)

REGISTERED WITH NATIONAL TECHNOLOGY COUNCIL OF PAKISTAN

PROFESSIONAL SUMMARY

Accomplished QA/QC Electrical Engineer with **12 years of proven experience** in quality assurance, quality control, inspection, testing, and pre-commissioning of electrical systems across large-scale construction projects. Expertise in ensuring compliance with **NEC, IEC, IEEE, NEMA, SBC etc.**

WORK HISTORY

QA/QC ELECTRICAL SUPERVISOR:

Al Rashid Trading and Contracting | Trojena, Neom, Saudi Arabia | June 2023 - May 2025

- Review project documents e.g., Schedule Q, Contract, BOQ, PQP, Project specifications, IFC drawings etc.
- Establish and manage ISO-compliance documentation system, including the preparation of correction & preventive action reports (CAPA) and continual improvement records.
- Review and submit PQDs and MAT submittals for client approval.
- Prepare and maintain all site activity Method statement, ITPs and procedures as per project specifications and international standards.
- Material receiving inspections (MIR) for all category (NC, C1, C2 & C3) of material and traceability carried out as per drawing and specifications.
- Arrange and manage all required documents from supplier/vendor prior to submit MIR request.
- Conduct monthly material preservation inspections for all inspected materials as per schedule Q requirements & followed manufacturer recommendations.
- Ensure the correct implementation of the approved inspection test plan (ITP) Method of statement, project specifications, IFC drawings and international standards for ongoing site electrical work.
- Reviews the third-party test reports.
- Attending Quality meetings on weekly basis.
- Two weeks look ahead submission to PMC/PID prior to start activity as per schedule Q.
- Reporting all site related activities and issues to the QA/QC Manager.
- Initiate SOR (Site Observation Report) and INCR (Internal Non-Conformance Report) for any deviation during surveillance and diligently follow up until resolution.
- Maintain the relevant Quality Records such as ITPs/MST log, WIRs/MIRs log, Testing Logs, INCR closure Logs, Celebration logs (Testing instruments) in timely fashion to meet KPI requirements.
- Checks all electrical related works, including but not limited to power transformer, switchgears, Motors, DBs, UPS system, VSD, LV Generator, Socket outlets, lighting system, Earthing & Lightning Protection, Cables, Cable Tray/Conduit, Fire alarm, CCTV, Security system, public address & Instrumentation etc.
- Inspection for installation, testing and pre-commissioning of CP (Cathodic Protection System).
- Conducted Quality Toolbox Talks (QTBT) with site teams prior to commencing new activities to ensure awareness of quality requirements, procedures and compliance with project the standards.
- Prepare and maintain weekly and monthly quality reports.
- Implement all testing and pre-commissioning schedule.
- Check installation and testing of instrumentation equipments.
- Executing LOTO procedure upon completion of pre-commissioning of electrical works.
- Address and resolve comments in punch list provided by client/customer, ensuring timely closure & collaborates on the update of as built drawings.
- Performing internal quality system audits based on ISO 9001:2015.

QA/QC ENGINEER ELECTRICAL:

Redco International W.L.L | Doha, Qatar | October 2017 - May 2023

- Comprehensive review of all project documents, including drawings, specifications, contract and PQP.
- Develop and update formats for quality Assurance (QA).
- Prepare ITPs as per project specifications & international standards.
- Review, amend and get approval of T&C method statement and ITPs in accordance with the project specifications and international standards.
- Interprets construction drawings and studies the contract documents and applicable standards or specifications prior to execution of any jobs.
- Create detailed inspection Test Plans that outline the specific inspections, tests and acceptance criteria for each phase of the construction process.
- Inspect all incoming materials to ensure they meet project specifications.
- Conduct pre-construction meetings with all stakeholders to clarify roles, responsibilities and expectations regarding quality assurance and control.
- Regularly monitor construction activities to ensure workmanship aligns with the approved ITP, Method statement, IFC Drawing, project specification Codes and Standard.
- Conduct surveillance inspections at critical stages to catch any deviations early.
- Raise electrical works Inspection Requests (RFI's) to the consultant and attend the requested inspection on site works as per the contract and normal procedures.
- Continuous checking on field job and verifying as per the project specifications.
- Ensure compliance with safety requirements and standards procedures.
- Verify, witness & inspected all the infrastructure work for electrical.
- Reporting to the immediate manager about day- to- d a y work activities.
- Responsible for all electrical inspections related to installations, testing and Pre-commissioning.
- Conduct Inspections as per Standards, Project Specification, Local Regulation and Manufacturer's Recommendation.
- Carry out necessary testing on materials/equipments and completed works.
- Identify and document any non-conformances (NCs) that occur during construction.
- Implement corrective actions to resolve these issues promptly and prevent recurrence.
- Maintain accurate records of all inspections, tests, and non-conformances.
- Regularly report quality- related activities and issues to project stakeholders, ensuring transparency.
- Conduct a throughout final inspection to ensure the project is complete and conforms to all specifications after resolving of all punch list items.
- Prepare and submit all final documentation including testing & commissioning reports, O&M documents, as-built drawings and warranties.

QC ELECTRICAL ENGINEER:

Saudi Binladin Group | Makkah, Saudi Arabia | October 2014 - May 2016

- Review project specifications, method statement, shop drawings and quality documents (Quality Plans, Inspection Test Plans, procedures) to ensure effective controls are in place in key areas.
- Ensure the electrical work has Complied with the specifications, codes, and standards according to the shop drawings.
- Coordinates with the client representatives on matters involving quality control activities.
- Conducts material receiving inspections.
- Verification of Inspection Readiness before issuing RFI.
- Conduct site Inspections along with client/PMC representative for completed electrical Installations such as MDBs, UPS system, cable tray, cables laying & termination, cable jointing, indoor & outdoor lighting and earthing/lightning protection system as per the approved Inspection Test Plan, Method of statement and project specifications.
- Highlighting all discrepancies/anomaly detected during site walk-through and informing the same to QC Manager.
- Issues Non-conformance reports (NCR) in consultation with QC Manager on works that deviates project specifications approved ITPs, MST and approved drawings.
- Follow up of corrective and preventive action for NCR issued and verification of effectiveness of the same.
- Responsible for making Red line drawings with coordination of site team.
- Maintain inspection & testing records.

ELECTRICAL ENGINEER/TECHNICIAN:

Saudi Ogre Ltd | Riyadh, Saudi Arabia | October 2012 - January 2014

- Perform routine maintenance on electrical systems and equipments.
- Ensure smooth and steady operation of substations (13.8/0.48-kv) & control room.
- Diagnose and repair electrical issues in timely manner.
- Experience working with medium voltage electrical components, applications and practices.
- Install, maintain and repair electrical wiring, equipment and fixtures.
- Maintenance of UPS & Battery banks.
- Ensure compliance with electrical codes and safety standards.
- Read and interpret schematics and technical drawings.
- Test electrical systems, continuity of circuits using testing devices and maintain testing record.
- Inspect electrical systems, equipments and components to identify hazards and defects.
- Maintain accurate records of maintenance and repairwork.
- Collaborate with other maintenance staff and departments.
- Provide emergency repairs and support as needed.
- Assist in the development and implementation of maintenance procedure.

FAMILIAR & AWARENESS

- Schedule “Q”
- National Electrical Codes (**NEC**)
- National Electrical Manufacturers Association (**NEMA**)
- International Electro Technical Commission (**IEC**)
- International Electrical Testing Association (**NETA**)
- Institute of Electrical and Electronics Engineers (**IEEE**)
- National Electrical Contractors Association (**NECA**)
- Saudi Electricity Company (**SEC**)
- Saudi building codes (**SBC**)
- Qatar construction specifications (**QCS**)
- Saudi Aramco Engineering Standards (**SAES**)
- Saudi Aramco Typical Inspection Plan (**SATIP**)
- Saudi Aramco Inspection checklists (**SAIC**)
- Saudi Aramco Test Report (**SATR**)
- NCR writing as per **ISO 9001-2015**
- Red line and As-built drawing
- Walkthrough & Punch list closure
- Electrical Pre-commissioning & Commissioning requirements
- Energization package preparation
- ELV/LV/MV cable management
- Earthing & Lightning protection system
- Lighting control system (Dali system)
- Electrical equipment installation
- Snag Listing for the hand over
- Cathodic Protection System
- **ELV system** - Fire alarm system, Novac system (FM 200), Access control system, CCTV, Public address, BMS system, FOC splicing
- **TESTING** – Megger test, Hipot test, partial discharge test, Earth resistance test, Contact resistance test, Torque test, Primary injection test (Breaker test), Ground fault test, BDV test, Turn ratio test, Winding resistance test, Battery charging/discharging test, Phase sequence test, Lux test, Breaker trip test, Smoke test (fire alarm system), dB test, OTDR test, Functional test for all equipments

SKILLS

- Installation & Pre-commissioning
- MEP Coordination
- Dealing with management & Staff
- Work under pressure
- Time management
- Decision maker
- Team work
- Supplier relationship
- Operation & maintenance
- AutoCAD
- MS office

EDUCATION

BACHELOR Electrical Technology
Pakistan | September 2008 - December 2012

- Graduated with Honors

DIPLOMA OF ASSOCIATE ENGINEERING (DAE) Electrical Technology
Pakistan | August 2005 - August 2008

- Completed [3 Years Diploma of Associate Engineering] Qualification

SECONDARY SCHOOL CERTIFICATE Science
Pakistan | April 2004 - April 2005

- Coursework in [Secondary School Certificate]

LANGUAGES

English:

Arabic:

Urdu:

CUSTOM

- CQI/IRQA ISO 9001:2015 Lead auditor (QMS) training
- Neom supervising safely training course
- LOTO authorized person
- Station master familiarization training on building automation & control system (Doha Metro)

PERSONAL INFORMATION

- Total Experience: 12
- Passport Number: PS-1153983
- Nationality: Pakistan
- Marital status: Married