

# Syed Sohrab Khan

## Electrical QA/QC Engineer

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### SUMMARY

I'm ISO 9001:2015 QMS lead auditor certified, competent professional Electrical QA/QC engineer with 8+ years of extensive experience working at EPC Contractors on millions-class buildings, landscape and infrastructure projects with strong expertise in strategic planning, managing, assuring and controlling quality including conducting QA/QC inspections, root cause analysis, corrective actions implementation, quality documents preparation, project submittals review, site surveillance and leading a team of electrical inspectors. An impressive communicator, strategic, dynamic & committed team leader with pro activeness, and outstanding technical, interpersonal & communication Skills.

### PROFESSIONAL EXPERTISE

- Electrical Engineering
- Quality Assurance
- Quality Control
- Quality Process Flowcharts
- Method Statements Preparation
- Inspection & Test Plans Preparation
- ISO 9001: 2015 QMS Lead Auditor
- Document Review
- Quality Reports
- Non-Conformance
- Corrective Action
- Root Cause Analysis
- Process Development
- Process optimization
- Process Improvement
- Project Quality Plan
- Internal Quality Audit
- Quality policy
- Key Performance indicator
- Testing & Commissioning

### PROFESSIONAL EXPERIENCE

#### Saudi SALCO Contracting Company

Electrical QA/QC Engineer



2022 – Present

**Projects:**      Al-Qiddiya 18 Holes Public Golf Course Construction Project  
                         Irrigation Pumping Station construction Project  
                         Al-Qiddiya Public Golf Course Agronomy Center Construction Project  
                         Al-Qiddiya Public Golf Course 277 High Mast Hydraulic Light Poles Installation Project

**Consultant:**    JASARA (PMC) & JACOBS JV

#### Duties & Responsibilities

- Responsible for all electrical scope quality assurance and quality control.
- Reporting QA/QC manager on a daily basis to discuss about all the site related issues and resolving them.
- Monitoring, supervising electrical & telecom QC activities for the effective implementation of the Quality Management System, Project Specifications and SEC Standards.
- Conducting quality awareness trainings on site for construction teams.
- Ensured that Saudi Electricity Company (SEC) standards, Saudi Telecommunication company (STC) standards and other relevant standards are complied in electrical and telecom systems materials and installations.
- Conducting Pre-Inspections for electrical works before submitting to consultant Engineer.
- Doing technical review of shop drawings and assist technical department before submission to consultant.

- Monitoring of electrical installations to ensure that project specifications, referred standard and approved drawings are implemented.
- Ensured that LV, MV, ELV systems, MV/LV Cabling, internal & outdoor lighting system, small power systems, MDBs, MCC, SMDBs, feeder pillars, DBs, LCPs, FACP, SEC 13.8KV Outdoor Substations, Diesel Generator Set with synchronization system installations meets project specifications.
- Conducting testing for power cables, electrical equipment as per the project requirements.
- Witnessed and verified testing and commissioning of electrical systems.
- Coordinated with engineer and commissioning teams to monitor pre-commissioning and functional tests of electrical systems and equipment.
- Ensured proper documentation of test results, calibration certificates, and commissioning reports in accordance with QA/QC procedures.
- Identified and reported non-conformities during testing phases and ensured timely rectification through coordination with concerned teams.
- Coordinating with subcontractors to ensure adherence to quality and safety standards, overseeing their work to maintain compliance with project requirements.
- On a daily basis co-operating with electrical Site Engineers and supervisors regarding pre-inspections to avoid any rejection/comments of external inspections.
- Conducted inspections and tests in coordination with the electrical engineers as per approved and applicable ITPs.
- Responsible for reviewing and implementation of Project Quality Plan.
- Supported QA/QC Manager for the preparation and submission of monthly quality reports and weekly engineering summary to Client.
- Preparing/Calculating monthly KPI report & attending internal quality auditing with 3rd party auditor.
- Ensuring proper implementation of quality procedures, monitoring progress of electrical works and raising quality concerns to mitigate risks early.
- Preparing method statements, ITPs for all electrical, telecom systems and Continuous updating, reviewing of all Logs of Work Inspection Request, Material Inspections Request, Method of Statement submittals, ITPs, Site Observation Reports and monitoring their status.
- Prepared quality flow charts including store process flowchart, WIR process flowchart, site quality walkthrough report (SQWR) process flowchart, site observation (SOR) process flowchart, contractor Non-conformance (CNCR) process flowchart and client Non-conformance (NCR) process flowchart.
- Attended FATs for category 3 materials in factories and relative meetings as per requirement of schedule 13, also ensuring that all equipment matched Required (SEC) standards.
- Reviewing FATs before submission to consultant and inspecting delivered materials with concern inspector & project engineer prior MIR submission to client Engineer.
- Witnessed site acceptance tests (SAT) of individual equipment as well as systems.
- Review and verify testing and commissioning method statements and related checklists in accordance with project specifications.
- Witnessed and validate electrical testing and commissioning activities.
- Ensuring that all tests are recorded & reports are verified to meet with contract requirements.
- Monitored nonconformance at site activities to ensure proper documentation and traceability that the Corrective Actions to be taken and verified and furthermore dressing of the Preventive measures.
- Proactive surveillance to avoid discrepancy and non-conformance rectification cost & time.

- Issued Pro-active notifications, CNCRs to Construction team, and follow-up to close non-conformities as per the ACD.
- Attending weekly meetings and arranged workshops with client engineers regarding site quality issues.
- Attend the meetings with quality and construction team to sort out site issues/problems in the presence of quality manager.
- Prepared T&C Plan/schedule and actively involved in the closing of punch list items issued by project management team for the successful handover of the project as per project takeover plan.
- Making sure that the best engineering practices are implemented by the execution team, also ensured that all the compiled services carried out following the standard procedure, Method Statement, Shop drawings, applicable standards and Project specifications.
- Co-ordinating with third party, certifying authorities, planning & execution department to complete the job as per schedule.
- Reviewing submittals and quality documents for compliance with client's requirements.
- Close coordination with all the concerned parties i.e. PMC, Subcontractors, Third Parties, Concerned managers, Site Engineers, Project Engineers and other disciplines concerned personnel.

## Jawar Al-Jazira Contracting Company (JJCO)

Jawar Al-Jazirah  
Construction & Building Co.



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للإنشاء والتعمير  
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MEP QA/QC Engineer

2020 – 2022

Projects: European Standard French Fries Factory Construction Project For Jouv Agriculture Development Company (JADCO)

French Fries Factory Employs Single & Family Vilas Project in JADCO

Consultant: COSMOS-E Consultant and Engineers

## Duties & Responsibilities

- Successful implementation and controlling of Project Quality Plan and procedures.
- Prepared Inspection Request, Method of Statement, ITP and Continuously updated and reviewed all quality logs.
- Prepared inspection Request, Material Inspections Request, Method of Statement submittals, ITPs, all Site Observation Reports (SOR) and monitoring their status.
- Monitoring of electrical, mechanical and plumbing systems installation on daily basis to ensure that project specifications, referred standard and approved drawings are implemented.
- Maintained inspection Request, Method Statement submittals, ITPs and Continuously updated and reviewed all quality Logs.
- On a daily basis, co-operating with Site Engineers and supervisors regarding for pre-inspections to avoid any rejection.
- Make sure that all Inspection Request (IR) are submitted to consultant along with sufficient attachment such as latest approved shop drawings, test reports, Calibration certificates, ITP previous copies of Inspection Request copies (if required) and As-Built drawings.
- Review the drawings to ensure the latest design drawings are followed.
- If any major quality issue, reporting to the QA/QC Manager for finding solution.
- Trained the project Team and keeping the training records on Quality issues.
- Proactive surveillance to avoid discrepancy and non-conformance rectification cost and time.
- Root Cause analysis, recommending Containment Actions and train project team as necessary.

- Control all achieves documentation upon the completion of the project. Reviewed technical submittals for installation drawings, design calculations, material specifications and datasheets, testing and commissioning procedures, and operation & maintenance manuals.
- Successfully managed interface meetings with different stakeholders.
- Organized closely with Construction delivery team for turnover of systems and Documentation.

## First Fix KSA



Electrical QC Inspector

2018 – 2020

Projects: VIA Riyadh (5 Star Hotel with Main Kitchen and 1 Shopping Mall Construction Project)

Client: Sela

Main Con: MBL

Consultant: DAR Al Riyadh Engineering Consultants

## Duties & Responsibilities

- Issuing on a regular basis, proactive notifications to the construction team in order to maintain the quality of the work.
- To prepare RFI to the client inspection for completed activities, perform the inspection and follow up with the client for its approval.
- Reporting QA/QC supervisor and highlighting the site issues to resolve them.
- Responsible for the identification, investigation and issuance of Non-Conformance Report (NCR) to construction team to determine the root causes of non-conforming items.
- Prepared Inspection and Test plans for all the Electrical systems as per the scope of work.
- Closely follow-up with construction team to perform the corrective action immediately to clear log book entries and NCR's in order to avoid escalation.
- Performed inspections of materials/equipment received on site as per the approved submittals. Conduct site inspection/surveillance for all on-going construction activities on regular basis to make sure that all installation is as per approved shop drawings, project specification and is conforming to the required standards, NEC and the relevant standards.
- Responsible for closing of punch list items issued by consultant for the successful handover of the project.
- Performed installation inspection for Underground cable systems- (Direct buried, PVC Conduit, RGS/PVC, Concrete Encased Duct Bank) and above ground systems.
- Performed installation inspection of cable tray, cable ladder and cable trunking systems.
- Testing & Commissioning fire alarm system.
- Installation of junction boxes, panels and cabinets.
- Inspection for installation of various types of junction boxes, cable terminations etc. with reference to drawings and specs.
- Responsible to inspect complete Wiring with tags, Megger, Continuity and Loop checking.
- Performed installation inspection of LV cables, their routing, identification and termination.
- Performed installation inspection of SMDB's, DB's, LCP, MCC, and Disconnect switches etc.
- Performed the installation inspection of Indoor and Outdoor lighting system.
- Performed the installation inspection of small power system.

- Witness all on-going cable testing (e.g. Insulation Resistance test, Continuity test and hi-potential test) prior to energization and earth resistance test of grounding system.
- Performed/witnessed the installation and testing of complete grounding and lighting protection system.

#### Hi Arrows (Al Sahim Al Ali) Contracting Co.



Electrical Site Engineer

2017 – 2018

**Project:** Riyadh Laysen Valley (Cable trays works, 3700 Tube Lights installation in underground Parking, Façade Lightings on buildings, Security rooms all electrical works, project all main electrical rooms small power systems installation)

**Consultant:** Shaheen Engineering Consultants

#### Duties & Responsibilities

- Managing & executing the work at site as per the approved drawings, specifications & Electrical standards.
- Planning for different activities of work and strictly follow the work executed within the allocated time limit.
- Manage electrical team and site activities.
- Prepared and provided site daily progress reports to the construction manager and senior site engineer.
- Coordinating with the senior engineer of the site and the consultant to ensure execution of site work.
- Supervised Installation of parking tube lighting system and buildings facade lighting systems.
- Supervised installation of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> fix for all electrical systems in scope.
- Supervised Installation of above & below grade Conduits, Cable Trays, Cable ladders and Trunking.
- Supervised the installation of various types of cables, their dressing & termination.
- Supervised installation of small power system, Grounding system.
- Successfully executed all electrical works within completion schedule.

#### PROFESSIONAL QUALIFICATION

**University of Engineering and Technology, Pakistan**  
Bachelor of Science, Electrical Engineering

2017

#### CERTIFICATIONS

Lead Auditor QMS ISO 9001:2015	CQI – IRCA – UK	#IQCA-1087
Six Sigma: Green Belt	PMI	#4101AJTRSU
AUTOCAD ELE:2D	(TTB) (BTE) – HI – PK	#19567, HIIT/372/11-21
Electrical Systems: Panel Boards, Frequency Drives & Transformers	PMI	#VNOVR7
Certified Quality Engineer	ASQ	In progress.....
Leading Projects	National Association of State Boards of Accountancy (NASBA)	#140940