

MOHAMMAD SAFIR

Senior QA/QC Engineer / QAQC Manager

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SCE, CQM-OE, LSSGB, LSSBB, ISO 9001:2015, TQM

Transferrable Iqama

PROFESSIONAL SUMMARY

A highly motivated and results-oriented QA/QC Engineer with 10 years of experience in Metro, Infrastructure, Micro-tunneling, building, sub-station, and Underground utilities. Proven expertise in developing and implementing Quality Management Systems (QMS) based on ISO 9001, conducting internal and external audits, managing NCRs, and ensuring compliance with project specifications and industry standards. Adept at root cause analysis, risk assessment, and developing comprehensive Inspection Test Plans (ITPs). Strong communication and collaboration skills, with a demonstrated ability to lead quality initiatives and drive continuous improvement.

KEY SKILLS & COMPETENCIES

- Quality Management Systems (QMS)
- Auditing & Inspection
- Non-Conformance Management
- Testing & Analysis
- Risk Assessment & Management
- Material Testing Procedures
- Leadership & Coordination
- Document Control & Management
- Project Management
- Project Quality Control

WORK EXPERIENCE

Senior QAQC Engineer | TDP - Qiddiya Project - Riyadh, KSA

Aug 2023 – To Date

- Developed and successfully implemented a project quality management system (QMS), ensuring compliance with ISO 9001 standards and facilitating continuous improvement.
- Reported to the QA/QC Manager, controlling and monitoring all activities related to the Quality Management System (QMS), ensuring compliance with project specifications.
- Managed all QA/QC documents for the entire project, including RFIs/WIRs, certificates, calibration records, test results, inspection requests, NCRs, site instructions, and materials delivery records, ensuring accurate and accessible documentation.
- Developed method statements, Inspection Test Plans (ITPs), and checklists based on project specifications, ensuring all activities adhered to quality standards and project requirements.
- Collected material samples and witnessed laboratory testing, ensuring all activities adhered to project specifications and standards.
- Conducted internal audits, prepared detailed audit documents, and diligently followed up on findings/NCs to ensure timely corrective actions and process improvement.
- Conducted weekly quality walk-throughs on-site with the site team and consultant, facilitating and addressing potential quality concerns
- Engaged in project handover, ensuring successful transfer of project deliverables and documentation.

- Conducted training and awareness sessions to enhance the knowledge and skills of staff/workers.
- Conducted detailed kick-off meetings to brief staff/workers on specific activities, procedures, quality requirements, and safety requirements, ensuring all team members were fully aware of the work.
- Proactively closed NCRs via root cause analysis and CAPA, simultaneously issuing internal NCRs to construction teams for non-conformances occurrences during execution.
- Participated in client audits, conducting root cause analysis for identified non-conformances and developing comprehensive corrective action plans.
- Attended weekly quality meetings with consultants, actively participating in discussions and facilitating clear communication regarding project quality and compliance.
- Proactively notified construction teams of potential defects using proper communication methods to avoid the occurrence of non-compliances.
- Prepared and submitted accurate monthly and bi-weekly reports regularly.

Senior QAQC Engineer | Zarook Builders - Residential Building – Sri Lanka Jan 2021 – Feb 2023

- Developed and implemented a comprehensive Quality Management System (QMS) based on ISO 9001.
- Developed Inspection Test Plans (ITPs) for all activities, aligning inspection and testing procedures with project specifications.
- Performed internal and external quality audits as per the QMS, ensuring compliance with quality standards and identifying areas for improvement
- Attended Quality Management and Progress Meetings, contributing to project monitoring and issue resolution.
- Evaluated personnel performance and identified training needs, arranging required internal and external training to enhance skills and improve performance
- Established quality control procedures, documenting processes and providing training to project teams to ensure consistent implementation.
- Overseeing the Quality Control process to verify that the activities are aligned with the procedure and standards.
- Monitoring and analyzing the data, comparing with established KPI, and taking necessary improvements
- Prepare the Flow chart of the process and control the process by implementing improvements for identified issues.
- Prepared and periodically evaluated risk matrices, assessing existing risks and identifying new risks to ensure proactive risk management
- Prepared organizational structures for project teams.
- Controlled NCRs and site observation logs, demonstrating strong problem-solving skills and effective communication during critical root cause analysis and action implementation.

- Prepared WIRs and MIRs as per approved ITPs and coordinated with consultants for inspections.
- Conducted comprehensive on-site inspections and checks to ensure all quality-related procedures adhered to approved method statements, project specifications, and inspection test plans (ITPs).
- Arranged and coordinated with third-party laboratories for all required testing, ensuring timely sample delivery, accurate test results, and compliance with project specifications.
- Conducted thorough quality control checks at precast factories, including dimensional measurements, material testing, and visual inspections, ensuring adherence to project requirements
- Maintained accurate and organized records of QA/QC-related documents.
- Controlled site equipment calibration, ensuring compliance and maintaining accurate calibration records.
- Issued and closed NCRs and SORs, including those originated by consultants, ensuring adherence to quality control processes by implementing Corrective Action & Preventive Action after analyzing the root cause.
- Identifying and resolving the quality-related issues by analyzing the inspection and test data.
- Inspected delivered materials to ensure compliance with quality standards and project specifications

- Consistently adhered to the Quality Management System (QMS) throughout the project, ensuring compliance with established procedures and standards.
- Conducted daily inspections alongside subcontractors, verifying adherence to quality standards and project requirements in preparation for external consultant inspections
- Reported quality-related issues to the Senior QA/QC Engineer and followed up to ensure timely resolution
- Performed thorough material inspections of delivered approved materials, ensuring compliance with project specifications, and implemented corrective actions for identified non-conformances.
- Maintained detailed logs for quality documents, including NCR, SOR, WIR, MIR, and Calibration, ensuring accurate record-keeping.
- Reviewed Material Approval Requests (MARs) submitted by subcontractors, ensuring compliance with project specifications, and provided detailed comments before submitting to consultants regarding identified discrepancies.
- Analyzed and responded to DRS comments related to the MAR and Method of Statement document to achieve Code A.
- Witnessed third-party laboratory testing of sampled materials, ensuring strict compliance with Standards and verified test procedures, and documented results to confirm material conformity.
- Regularly attended internal and external quality meetings
- Developed a QA/QC dashboard to monitor key performance indicators (KPIs) and track defect rates.
- Participated in monthly QA/QC training focused on skill development.
- Engaged in project closure activities, ensuring accurate completion of all required documentation and final reports, and facilitated the handover of project deliverables to the maintenance team.
- Documented and reported site issues using Snag-R, ensuring accurate recording of defects and facilitating clear communication to the construction department/Sub-contractor for rectification.
- Reviewed subcontractors' monthly reports, ensuring accuracy and compliance with project specifications before submission to the consultants.

EDUCATION

BEng (Hons) in Civil Engineering

University of Liverpool John Moores University, UK

Higher National Diploma in Civil Engineering

ICBT College, Sri Lanka

PROFESSIONAL MEMBERSHIPS

- **Member**, Saudi Council of Engineers (الهيئة السعودية للمهندسين) Issued: June 2023 | Membership No: 949829

Certifications

- Certified Quality Manager of OE – CPD
- Certified Lean Six Sigma Green Belt (LSSGB)
- Certified Lean Six sigma Black Belt (LSSBB)
- Lead Auditor ISO 9001:2015
- Total Quality Management (TQM)

SOFTWARE PROFICIENCY

- MS Office
- AutoCAD
- Primavera
- Acconex
- Snag-R
- Power BI
- MS Project

LANGUAGE PROFICIENCY

English

Professional Working Proficiency

Sinhala

Professional Working Proficiency

Tamil

Native Proficiency

PERSONAL DETAILS

Gender : Male

Marital Status: Married

Nationality : Sri Lankan

Visa Status : Transferable Iqama