

SHAMNAS MANDHIYIL – B-Tech, PCQI, IRCA QMS Licensed Auditor

Civil QA/QC Engineer

Approved by Red Sea Global, Ashghal PWA, KEO & CEG

Qatar MMUP, SCE (Saudi Council of Engineers) Certified | 10+ Years of Experience

Mob: +966560619826 | Email: m.shamnas66@gmail.com | Visa: Holding Own Iqama(Transferable) | Riyadh-KSA

CAREER PROFILE

Results-driven **Civil QA/QC Engineer** with over **10 years of experience** in **quality assurance, quality control, and performance management** for **large-scale infrastructure, roads, and building projects**. Expertise in implementing **ISO 9001-compliant Quality Management Systems (QMS)**, auditing, managing **non-conformances (NCRs)**, and driving **continuous improvement** in construction quality.

Proficient in **monitoring KPIs, material inspections, root cause analysis (RCA)**, and **ensuring compliance with international standards**. Skilled in **collaborating with consultants, subcontractors, and regulatory bodies** to uphold quality excellence. Holds certifications in **ISO 9001:2015 Lead Auditor, Lean Six Sigma Green Belt, and ISO 45001:2018**.

LICENSES & CERTIFICATIONS

- **IRCA QMS Auditor** – Certificate Number: 6141895
- **Chartered Quality Institute Practitioner (PCQI)** - Membership Number: 6141895
- **ISO 9001:2015 Lead Auditor** - Quality Management Systems
- **ISO 45001:2018 Lead Auditor** – Occupational Health and Safety Management System
- **Saudi Council of Engineers (SCE) Certified** – Membership Number: 1122240
- **Qatar MMUP Grade -C Certificate** – Membership Number: 16161
- **Lean Six Sigma Green Belt**
- **Diploma in Project Planning and Management using Primavera P6**
- **AutoCAD | Microsoft Power BI | Microsoft Excel**

WORK EXPERIENCE

Al Darwish Engineering – Doha, Qatar

Civil QA/QC Engineer (*July 2023 – Dec 2024*)

Project: Roads and Infrastructure in Al Ebb and Leabaib - Package 03

Consultant: KEO | Client: ASHGHAL/PWA | Project Value: 720M QAR

Major Areas of Exposure:

- Assist Quality Manager in preparation of the **Project Quality Plan (PQP)** and support its implementation.
- Coordinate, manage, and perform **internal, supplier, and subcontractor audits** in accordance with the approved audit schedule, prepare comprehensive audit reports, and ensure timely closure of audit findings.
- Document the review/evaluation of audit results and recommend additional controls/support to the Project Management Team.
- STOP the work, in the event of identifying any activity where serious breach of Health, Safety or Environmental standard is witnessed.
- Ensure compliance of **As-Built records** as per approved **ITPs**.
- Monitor Concrete material temperatures, sample handling, curing, storage, and testing.
- Establish and monitor **Key Performance Indicators (KPIs)** to evaluate quality performance, identify trends, and drive improvements, and upload the KPI document in Ashghal APMS website.
- Collaborate with **internal teams, consultants, and stakeholders** to align quality initiatives with strategic goals.
- Support the development of **training programs** and best practices to cultivate a strong **quality culture**.
- Organize and participate in quality meetings to address **quality-related challenges** proactively.
- Attend **FAT (Factory Acceptance Tests)** and **SAT (Site Acceptance Tests)** dependent on the materials, tests, or services being inspected.
- Review and approve Subcontractors' Pre-qualification submittals, including **Quality Policy, Quality Operating Procedures**, and evaluate their quality system capabilities and controls.
- Lead/facilitate Root Cause Analysis (**RCA**) to identify, implement, and verify corrective measures.
- Verify the implementation of best practices and **lessons learned** to drive continuous improvement.
- **Ensure compliance with approved ITPs and hold/witness/Surveillance points**, coordinating inspections with consultants and third-party testing agencies.
- Thoroughly review the **shop drawings** and ensure the site construction team follow the approved shop drawings.
- **Ensure all inspections are documented properly** with photographic records, test reports, and Non-Conformance Reports (NCRs) where required.
- Prepare **QA/QC Performance Reports** weekly, monthly and annually, **non-conformance trend analysis**, remedial actions, etc.
- Closely monitoring of construction works and ensure compliance with **QA/QC procedures**, and ensure all tests are carried out as per contract requirements.
- Ensuring effective communication and collaboration between the QA/QC team, project managers, contractors, and other stakeholders to resolve quality-related issues promptly.

Infraroad Trading & Contracting Co. – Doha, Qatar

Civil QA/QC Engineer (*April 2021 – June 2023*)

Project: Roads and Infrastructure in Al Kharaitiyat and Izghawa Phase 1 - Package 02

Consultant: CEG | Client: ASHGHAL/PWA | Project Value: 400M QAR

Major Areas of Exposure:

- Develop, implement, and maintain QA/QC plans, procedures, and guidelines for roads, and infrastructure projects.
- Led material sampling and testing operations, ensuring 100% compliance with QCS-2014 requirements.
- Prepare Monthly Site QA/QC Questionnaire and submit for the consultant approval through APMS.
- Witness and verify laboratory tests such as Proctor Compaction Test, and Concrete Compressive Strength Test.
- Identify, document, and resolve non-conformities, and implement corrective actions and maintain NCR log.
- Collaborate with project teams, contractors, and third-party testing labs to address quality-related issues.
- Maintain and submit QA/QC monthly quality report, test results and NCR closeouts.
- Regularly monitor the approval status of Inspection Request Notices (INRs) on a weekly basis, ensuring timely actions are taken to convert Code-B and Code-C INRs to Code-A before the end of each month.
- Prepare and send audit notification, Conduct internal audits, subcontractor and supplier audits, preparing audit reports for compliance assessment.
- Review and submit material submittals, including test certificates, compliance statements, and technical data sheets.
- Coordinate with consultant to facilitate material approvals.

Al Darwish Engineering – Doha, Qatar

Civil QA/QC Inspector (*Sept 2018 – March 2021*)

(1) **Project: Road & Infrastructure in Al Egda, Al Heedan & Al khor project(P-01)**

Consultant: CDM Smith | **Client:** ASHGHAL/PWA | **Project Value:** 400M QAR

(2) **Project: Duhail Intersection and Al Gharrafa Street**

Consultant: Parsons | **Client:** ASHGHAL/PWA |

(3) **Project: Interim Improvement of Main Roads in Al Nasr area**

Consultant: ITAL Consult | **Client:** ASHGHAL/PWA | **Project Value:** 320M QAR

Major Areas of Exposure:

- Review the Project Quality Plan (PQP), Inspection & Test Plans (ITP), and Method Statements (MST) to ensure that all site activities are executed in strict accordance with these documents.
- Review and submit subcontractor and supplier prequalification documents for consultant approval.
- Prepare and submit QA/QC reports, KPI scores, test schedules, and compliance documentation.
- Conduct onsite inspections, witness testing.
- Review NCRs/observation reports, and coordinate with consultants for issue resolution.
- Monitor and maintain material testing, sampling logs, and concrete pouring/cube crushing tracking.
- Conduct toolbox talks and training sessions as per the approved schedule, ensuring effectiveness.
- Track and update inspection requests (INR), stockpile sampling, and asphalt testing records.
- Perform field density tests (FDT) for backfilling, subgrade, subbase, and road base layers with consultants.
- Oversee and inspect pavement works, asphalt laying, rolling patterns, temperature checks, and sampling.
- Ensure compliance with wet utility installations, including foul sewer, surface water, TSE and potable water as per approved shop drawing and QCS-2014 requirements.
- Ensure all the dry utility works are complying approved shop drawing and QCS-2014 requirements.

Al-Seal Trading & Contracting Co. – Lusail, Doha, Qatar

Civil QAQC Engineer (*June 2016 – August 2018*)

(1) **Project: Lusail City Projects: Al Nassem Tower – 2B+G+21+R**

Consultant: MZ & Partners | **Client:** Khalid Mohamed A Al-Atteyah | **Project Value:** 110M QAR

(2) **Project: Lusail city Projects: Al Kharaej Tower – 2B+G+15+R**

Consultant: Dara Engineering Consultant | **Client:** SHK. Fahed Bin Hamad Al Thani | **Project Value:** 95M QAR

Major Areas of Exposure:

- Ensure quality and workmanship across all construction activities, specializing in civil, architectural, and structural disciplines.
- Review and Verify Bar Bending Schedule (BBS): Ensure reinforcement detailing aligns with approved structural drawings, lap lengths, cover, and bending dimensions before concrete placement.
- Verify that construction activities adhere to approved shop drawings, project specifications, and QCS regulations.
- Concrete Quality Inspection: Conduct pre-pour checks, including slump test, temperature monitoring, cube sampling, and mix design verification, ensuring compliance with specifications and standards.
- Gypsum Ceiling, Tiling, and Cladding Inspection: Verify installation alignment, material quality, adhesion, joint finishing, and compliance with architectural drawings and specifications.
- Prepare, review, and submit Method Statements and ITPs for various construction activities as per project requirements.
- Raise and track Work Inspection Requests (WIRs) for consultant approval and ensure timely verification of works.
- Attend project meetings to document Minutes of Meetings (MoMs), proactively addressing potential quality risks

Crescent Contractors-Malappuram, Kerala, India

Junior Site Engineer (*2014 – Sept 2015*)

Project: Al Abeer Edu City Project (Hospital Block and Academic Block)

Major Areas of Exposure:

- Regular interaction with client engineers as well as Managers from whole disciplines of engineering
- Implementation of construction activities as per approved shop drawings.
- Site coordination and preparation of site daily activity report.
- Site Supervision and Management:
- Oversee day-to-day site operations to ensure construction activities are running smoothly.
- Ensure adherence to construction drawings, specifications, and standards.

- Supervise subcontractors, laborers, and other on-site personnel.

EDUCATION

Degree of Bachelor of Technology in Civil Engineering (2010 – 2014)

Cochin University of Science and Technology, Kerala, India

Graduated with First-Class Honors with Distinction. (7.6 CGPA)

SKILLS

- Problem-Solving & Decision-Making
- Microsoft Office (Word, Excel & PowerPoint) - QA/QC Reports & Documentation
- Microsoft Power BI (Quality Data Analysis & Dashboarding)
- Auto CAD
- ISO 9001:2015 Quality Management System (QMS)
- Inspection & Testing (Concrete, Soil, Asphalt, Steel)
- NCR Handling, Corrective & Preventive Actions (CAPA)
- ISO 9001:2015 Compliance & Internal Audits Root Cause Analysis
- Strong Communication & Reporting Skills Material sampling & Testing
- Analytical Thinking & Attention to Detail Team Leadership & Coordination
- Site Inspections & Quality Monitoring
- Collaboration with Clients, Consultants, and Sub-Contractors
- AutoCAD (For reviewing shop drawings & site layouts)
- Primavera P6 (Basic knowledge for tracking quality schedules)
- ISO 9000 quality management principles.
- ASTM standards for materials testing and construction practices.

LANGUAGES

English; Hindi; Arabic; Tamil

REFERENCES

Available Upon Request