

Mohammed Hanzala

Civil QA/QC Engineer

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Location: Riyadh, Saudi Arabia.



CAREER HIGHLIGHTS & EXPERIENCE

Detail-oriented Civil QA/QC Engineer with 8+ years of experience in construction industry, specializing in large-scale infrastructure, utilities, highway residential, highway projects. Skilled in defect identification, managing site inspections, resolving NCR's and ensuring compliance with project specifications & international standards. Proven track record of reducing rework, and improving construction quality, looking for a dynamic environment to contribute my skills and grow professionally.

KEY QUALIFICATIONS

Software Skills:

AutoCAD, Revit, MS Excel, MS Word, & Primavera P6.

Certifications:

Lean Six Sigma (Ongoing), ISO 9001:2015 Lead Auditor (Ongoing)

Soft Skills:

Leadership & Team Collaboration, Stakeholders Coordination, Analytical Skills, Documentation & Reporting.

Other Certifications & Achievements:

- 2024: 2 million Safe Man-Hours, Riyadh, KSA
- 2021: 2nd Int'l conference on emerging trends in science & engineering, India
- 2018: Diploma in Architectural Design, CADDCENTRE, India

WORK PROFILE

- **Led and supervised a team** of QC inspectors, reducing non-conformances and ensuring adherence to project quality procedures, specifications, and industry standards (ISO 9001, ASTM, ACI, BS, AASHTO).
- **Developed, reviewed and implemented** method statements, ITP's and checklists in coordination with the Manager, ensuring alignment with project specifications, applicable standards, and client requirements.
- **Implemented and managed** comprehensive quality control procedures, maintaining compliance with project requirements and industry standards to minimize rework and ensure project integrity.
- **Monitored subcontractor work**, proactively identifying and resolving quality issues to minimize rework and prevent delays ensuring timely and cost-effective project delivery.
- **Conducted detailed inspections**, to ensure that materials and workmanship complied with project specifications and quality standards and executed corrective actions as required.
- **Facilitated quality meetings, audits, and coordination** sessions with clients, consultants, sub-contractor and project team, promoting teamwork and continuous quality improvement.
- **Issued SORs & NCRs** performed root cause analysis & implemented corrective & preventive actions, (CAPA) to address quality issues, ensuring compliance with project specifications, coordinated with consultants, and third-party labs for issue resolution.

- **Maintained comprehensive quality documentation**, including WIR, MIR, SOR, NCR, QTB, proactive notifications, testing reports and related logs, ensuring traceability, transparency and reporting.
- **Delivered** quality training, toolbox talks, and proactive notifications to site teams and subcontractors, raising awareness of quality standards, common defects, and best practices to encourage a proactive quality culture.
- **Reviewed** material submittals conducted sampling and testing in coordination with third-party laboratories, and secured consultant approval
- **Supported project handover** by preparing final QC records, as-built documentation, and quality records, ensuring smooth handover in compliance with client requirements.

PROJECT EXPERIENCE

Civil QC Inspector/Engineer

China Harbour contracting company | Sedra 2, Riyadh, KSA. Duration:

July 2023 – Present

Client: ROSHN | 1.6 Billion Riyals.

Project Scope: Currently working as a Civil QA/QC Inspector/Engineer on the SEDRA 2 Township Project by ROSHN in Riyadh (2.25 million sq.m). Responsible for quality oversight of vertical buildings and infrastructure, including underground utilities (sewage, stormwater, potable water, irrigation), lift stations, irrigation tanks, substations, and associated structures. Scope covers civil and MEP interfaces, hardscape elements (asphalt roads, pavements, kerbs, riprap), boundary walls, and fencing, ensuring compliance with project specifications and industry standards.

Responsibilities:

- **Led QA/QC teams** for wet utilities and hardscape & roadworks, coordinating with subcontractors and the design team for execution of irrigation tanks and lift station & associated structures. ensuring compliance with approved drawings, method statements, and quality standards, while resolving site issues and maintaining quality throughout all phases
- **Reviewed and verified** ITPs, method statements, approved drawings for wet utility works (sewage, stormwater, potable water, irrigation) ensuring compliance with project specifications and authority requirements.
- **Supervised** trench excavation, compaction, geotextile laying, bedding preparation, precast manhole/chamber installation, pipe installation (connections, valves & fittings), encasement & thrust block casting, to pressure/leak testing, warning tape and backfilling executed with consultant approvals.
- **Monitored layer-by-layer backfilling** for foundations, tanks, utilities, and road base, ensuring approved fill material, FDT test results, moisture content checks, and consultant sign-offs before proceeding
- **Inspected structural elements** of (irrigation tanks, lift stations, and associated structures) ensuring compliance in blinding, waterproofing, rebar, formwork, and concrete as per ACI/BS standards, and approved drawings.
- **Verified accurate placement** of MEP sleeves, inserts, anchor bolts, ducts and conduits in civil structures (irrigation tanks, lift stations generator rooms, pump/control rooms) prior to concrete pouring, ensuring aligned with coordination service drawings & eliminating rework
- **Inspected architectural finishes** including blockwork, plastering, tile installation, painting, epoxy coatings, waterproofing door/louver installation, in service buildings ensuring adherence to project specifications and finish standards.
- **Checked precast elements installations** such as manholes, catch basins, inspection chambers, handholes, boundary walls, fire hydrant bollards and fence foundations ensuring lifting, vertical/horizontal alignment, joint sealant, and structural bedding for compliance.

- **Oversaw** duct bank and cable trench construction for electrical and telecom utilities ensuring proper bedding, tile, warning tape placement, backfilling, and compaction for near substations and utility corridors
- **Supervised road construction activities** from subgrade preparation, sub-base/base course laying, kerb stone placement, and asphalt paving (base/wearing course), to MC/RC application and coring with lab testing, ensuring layer thickness and compaction standards were met.
- **Inspected hardscape finishes** including interlocking pavers, tactile tiles, concrete walkways, and trench covers—ensuring line, level, slope, joint alignment, and aesthetic quality.

Civil QA/QC Inspector

RC Construction Pvt. Ltd, company | National Highway (206), India.

Duration: September 2019 – July 2023

Client: (NHAI) | 16,000 Crore Rupees

Project Scope: Worked as a QA/QC Inspector on the development of National Highway (NH-206) project, ensuring quality compliance across major infrastructure works. My responsibilities included inspecting of culverts, Vehicle/Light vehicle underpasses, RE & TOE walls, precast prestressed girders, semi railway bridges, minor and major bridges, also supervised RCC & asphalt pavements. I conducted quality checks, monitored materials and workmanship, and collaborated with site teams to meet project specifications.

Responsibilities:

- **Executed quality inspections for substructure works**, including excavation, PCC, and reinforcement placement for box culverts, underpasses, and bridge footings, ensuring compliance with approved drawings and project specifications.
- **Inspected shuttering, reinforcement, and concreting activities** for toe walls, retaining walls, and RE walls, verifying dimensions, alignment, cover, and proper curing procedures as per IS codes.
- **Monitored precast prestressed girder production and installation**, including tensioning, casting, curing, and lifting, ensuring dimensional accuracy and load test validation with authorities prior to bridge placement.
- **Verified deck slab** formwork, rebar, shear key & diaphragm construction, followed by controlled concrete placement using approved mix designs and ensuring compaction through mechanical vibrators.
- **Conducted quality checks** for bridge bearings and expansion joints, ensuring alignment, elastomeric pad integrity, and grouting works prior to girder launching and deck slab casting.
- **Supervised asphalt pavement layers**, from subgrade preparation and GSB/WMM laying to DBM and BC applications, ensuring layer thickness, temperature, compaction (density tests), and smoothness as per MORTH standards.
- **Reviewed material testing reports** and conducted field tests, including core cutting, density tests (FDT), DCP tests, slump, and compressive strength tests, ensuring results met project and IRC specifications.
- **Inspected construction** of minor and major culverts, ensuring proper bedding, pipe laying, haunch filling, headwall construction, and wing wall alignments with adequate slope and flow direction.
- **Monitored execution** and quality control of shoulder preparation, kerb installation, and side slope protection including stone pitching, ensuring stability and erosion control along the highway corridor.
- **Maintained detailed inspection records**, including IRs, checklists, NCRs, red-line markups, field test reports and concrete pour logs, facilitating smooth consultant approvals and contributing to timely milestone achievements.

Civil Engineer

IRS Infrastructure | Residential Buildings for Railways, India.

Duration: March 2017 – September 2019

Client: Southern Railways

Project Scope: Supervised construction of Residential buildings for railway staff, overseeing substructure & superstructure works. Ensured quality compliance, coordinated site activities, and resolved technical issues delivering structurally sound and compliant housing units within project timelines.

Responsibilities:

- **Monitored and inspected excavation, PCC, and waterproofing activities** for building footings and foundations, ensuring alignment with approved drawings, geotechnical recommendations, and project specifications.
- **Verified reinforcement, shuttering, and concrete placement** during raft, column footing, pedestal, and pile cap works, ensuring compliance with IS/ACI standards and concrete mix design approvals.
- **Conducted quality inspections** during vertical element construction, including plinth beams, ground floor columns, and core wall shuttering, checking alignment, cover blocks, and honeycombing prevention.
- **Supervised slab works**, including BBS verification, rebar clearance checks, conduit embedding (for electrical/plumbing), and post-pour curing practices for slabs, balconies, and staircases.
- **Ensured compliance during masonry works**, verifying block alignment, joint thickness, lintel and sill casting, window openings, and mechanical/electrical chases to maintain structural integrity and finish standards.
- **Inspected plastering works (internal & external)** ensuring surface preparation, uniformity, thickness, and curing practices while maintaining quality of architectural finishes per approved mockups.
- **Verified waterproofing applications for wet areas**, balconies, terraces, and roof slabs, ensuring chemical compatibility, surface priming, and flood testing to prevent future leakage complaints.
- **Checked tiling, marble, and granite finishes**, ensuring bedding thickness, edge alignment, slope to drain, skirting continuity, and approved material usage with proper adhesive mix and curing.
- **Monitored painting, texture coating, and putty works**, conducting adhesion and shade uniformity inspections per approved samples and ensuring environmental safety and surface readiness.
- **Supervised door/window frame and shutter installations**, ensuring proper plumb, anchoring, hardware alignment, and finish quality as per architectural drawings and approved hardware schedules.
- **Coordinated with MEP teams** to ensure proper interface management (e.g., conduit, pipe sleeves, drainage slopes) and pre-closure inspections before ceiling and flooring activities.

EDUCATION

Bachelor of civil Engineering, Visvesvaraya Technological University, Belagavi, India.

Diploma in civil Engineering, Department of Technical Education, Bangalore, India.

PERSONAL DETAILS

- Valid GCC Driving License,
- Languages: English, Arabic, Urdu, Hindi, Kannada.