





ABDUL STAR

QA/QC Engineer

 Madina / Saudi Arabia

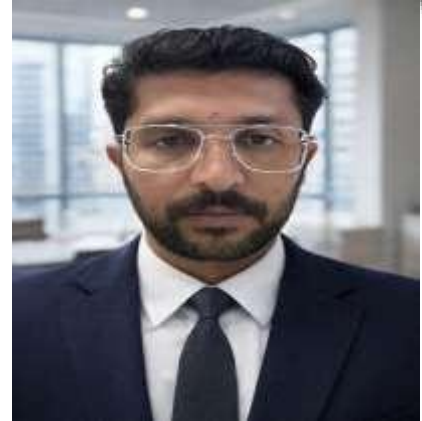
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PROFESSIONAL PROFILE

QA/QC Engineer (Civil) with 10+ years of progressive experience in Quality Assurance and Quality Control across Mega infrastructure, precast developments, and tunnel projects (NATM & TBM) in Saudi Arabia and Pakistan. Extensive expertise in ISO 9001:2015 Quality Management Systems (QMS), Inspection Test Plans (ITPs), WIR/MIR processing, NCR management, material approval processes, and compliance monitoring. Proven ability to coordinate with consultants, contractors, PMCs, and multidisciplinary teams to ensure strict adherence to project specifications, Saudi standards, and client requirements while maintaining high Project Quality Index (PQI) performance and zero-repeat non-conformities.

CORE TECHNICAL COMPETENCIES

- ❖ Quality Management & Compliance
- ❖ ISO 9001:2015 QMS Implementation
- ❖ Compliance Monitoring
- ❖ Quality Document

Civil Inspection Expertise

- ❖ Structural & Architectural Works
- ❖ Infrastructure (Roads, Drainage, Sewer, Irrigation)
- ❖ Tunnel Works (NATM, TBM, Concrete Lining)
- ❖ Precast Inspection & Installation
- ❖ Concrete Works, Rebar, Formwork, Finishing

Documentation & Systems

- ❖ Inspection Test Plans (ITPs)
- ❖ Method Statements Review
- ❖ WIR / MIR Submissions
- ❖ NCR Issuance & Closure
- ❖ Technical Submittals

Digital Tools

- ❖ Aconex
- ❖ Share point
- ❖ AutoCAD
- ❖ Microsoft Office
- ❖ Web Design

PROFESSIONAL EXPERIENCE

1. PROJECT: TIME TRAVEL TUNNEL, DEPOT & VAULT EXCAVATION.

Limak Al Ayouni JV (April 2024 – April 2026)



Current designation: QC Engineer

Project Overview: At NEOM, TBMs are deployed in Trojena to deliver key underground works, including 3.8 km tunnels, a mountain funicular, and connections between major assets.

These machines (235 m long, 2,000 tons) enable precise and efficient tunneling through complex mountainous terrain

Key Responsibilities & Achievements:

- ❖ Conduct daily inspections for Camp Building, and mirage depot building.
- ❖ Report to Quality Manager
- ❖ Manage both field and laboratory required test such as concrete raw materials, fresh and hardened concrete test
- ❖ Taking care of QA/QC document of the entire project including certificate, calibration, test result, Inspection request, non-compliance reports and site instruction/ observation, permanent material delivered and another QA/QC document.
- ❖ Responsible for the coordination with IPMT & Client for site inspections (WIRs), Materials Inspections (MIRs) and approval of documents such as WIRs, MIRs, and closure of NCRs.
- ❖ Managing all the site quality log and frequency testing as per ITP.
- ❖ Monitoring all the production of Precast segment factory as per design requirements and following the testing procedures.
- ❖ Performed defect mapping using VMT to ensure accurate identification and documentation of site issues
- ❖ Prepare Inspection Requests (IRs) for consultant approvals.
- ❖ Segment Production, Stacking, transportation erection in tunnel.
- ❖ Conducted inspections of tunnel lips and steps to ensure compliance with design specifications and quality standards.
- ❖ Monitored backfilling operations for road culverts at the precast factory and construction sites to ensure compliance with design specifications.
- ❖ Supervised culvert construction works and monitored all related
- ❖ quality procedures to ensure compliance with project specifications.
- ❖ Monitor the Ring Building and assembling,

- ❖ Monitor the Primary and secondary grouting in tunnel.
- ❖ Raise and track NCRs ensuring timely corrective actions.
 - ❖ Ensure compliance with approved ITPs, method statements, and NEOM project specifications.
 - ❖ Raise and monitor INCR ensure effective corrective Action.
 - ❖ Conduct material receiving inspections and verify compliance with approved submittals.
 - ❖ Participate in quality meetings and technical coordination sessions.
 - ❖ Support implementation of ISO 9001 Quality Management System at site level.

2. PROJECT: NEOM Spine Infrastructure-Running Tunnel

Construction Project-Tabuk Saudi Arabia Lot4&5

Company: Hyundai Engineering & Construction

designation: QC Inspector

Duration: March 2023 to March 2024.



Project Overview: The SHAJV Project at NEOM (East Portal) involves the construction of twin tunnels, namely the High-Speed Rail (HSR) Tunnel and Freight Tunnel, forming a key part of *The Line's* transportation network. The scope includes tunnel excavation, portal works, and installation of support systems under strict quality and safety standards

- ❖ Perform inspections on structural, architectural, and finishing activities.
 - ❖ Supervised and executed HVAC, plumbing, firefighting, and facade installation works in accordance with approved drawings, specifications, and international standards.
 - ❖ Managed installation of HVAC systems including chillers, AHUs, FCUs, ductwork, and chilled water piping, ensuring proper alignment, insulation, and quality compliance.
 - ❖ Oversaw installation of plumbing, chilled water, and firefighting systems including water supply, drainage networks, hydrants, sprinklers, hose reels, and pump room piping as per NFPA standards.
 - ❖ Conducted testing and commissioning activities such as hydrostatic testing, pressure testing, flushing, and HVAC testing & balancing in coordination with consultants and OEM representatives.
 - ❖ Supervised facade installations including aluminum curtain wall systems, ensuring correct installation of structural components, anchorage, alignment, and sealing.
- curtain wall and cladding works in accordance with approved shop drawings, project specifications, and quality standards.
- ❖ Monitor installation activities to ensure proper alignment, level control, and compliance with approved method statements.
 - ❖ Monitor curtain wall components such as mullions, transoms, brackets, and glass panels, ensuring correct positioning, secure anchorage, and proper torque application.
 - ❖ Monitor inspections of cladding systems (ACP and metal panels), verifying frame alignment, joint spacing, sealant application, and weatherproofing for air and water tightness.
 - ❖ Coordinated with MEP and façade teams to resolve interface and installation issues.
 - ❖ Prepared and maintained QC documentation including WIRs, MIRs, NCRs, inspection checklists, and test reports in line with project procedures.
 - ❖ Prepare Inspection Requests (IRs) for consultant approvals.
 - ❖ Raise and track NCRs ensuring timely corrective actions.

- ❖ Witness on-site testing including slump, cube, and steel tests.
- ❖ Ensure compliance with ISO 9001, local building codes, and safety standards.
- ❖ Maintain inspection logs, test reports, and QA/QC documentation.
- ❖ Support internal and external quality audits.

3. PROJECT: Mohmand Hydro power project

Company: CGGC (China Gezhouba Group Company Limited)

Designation: QA/QC Engineer

Duration: November 2020 to January 2023

Project Overview: Construction of a concrete-faced rockfill dam including diversion tunnels, spillways, powerhouse, and associated hydraulic and structural works.

Execution of hydropower generation systems, irrigation infrastructure, and flood control measures in compliance with project specifications and international standards.

- ❖ Supervision of Tunnel Activities According to the NATM
- ❖ Supervision of primary support in pursuit to support design
- ❖ Monitoring all support work including SD Rock Bolts, Tensioned & Untensioned Rock Bolts & SN Rock Bolts.
- ❖ Supervision the Contact and Consolidation grouting
- ❖ Supervised the Drilling, Grouting and Installation of Piezometer & Extensometer & Inclinometer.
- ❖ Coordination with different departments for smooth workflow Including Survey, Geology & Lab.
- ❖ Supervision of all activities related to slope stabilization including Tensioned Ground Anchor Support works.
- ❖ Supervision of the Tensioned Ground Anchor activity from Drilling to Grouting. Also the supervisors of test related to Anchor investigation including Suitability test, Acceptance test & Pullout Test.
- ❖ Reviewing contract documents and advising the Project Manager

4. PROJECT: Suki kinari hydro power project

Company: CGGC (China Gezhouba Group Company Limited)

Designation: QA/QC Inspector

Duration: November 2019 to November 2020

Project Overview: The Suki Kinari Project in Khyber Pakhtunkhwa, Pakistan, is an 870 MW run-of-the-river hydropower project aimed at generating clean energy. Civil works include tunnels, power station, and transmission lines, along with site preparation, excavation, and structural construction.

- ❖ Supervise daily construction activities.
- ❖ Monitor quality control and safety compliance.
- ❖ Coordinate with engineers, consultants, and clients.
- ❖ Verify materials and workmanship meet specifications.



5. PROJECT: Neelum jhelum hydro power project Company: CGGC (China

GezhoubaGroupCompany Limited) Designation: QA/QC Inspector

`Duration: August 2016 to November 2019



SITE: Chattar Kalas C-3

Duty and Responsibilities:

- ❖ Execution and implementation of Tunnel (Excavation and Support works
- ❖ Responsible for Tunnel excavation works (survey for blast, drilling, charging, production of blast, mucking & scaling)
- ❖ Installation of Rock support such as Shotcrete, Rock bolts, Grouting, Wire-mesh and lattice Girders in Tunnel, portal as per Design, contract and Specifications
Execution and implementation of Slope stabilization & Spillway slopes, Slope tunnel portal support work.
- ❖ Contact grouting at penstock tunnel
- ❖ Good knowledge about batching plant work and material records there
- ❖ Good knowledge about aggregate test
- ❖ Maintain proper record of all the materials at site
- ❖ Managing the supporting works of the project, submittals & approvals from consultant, coordination with the project planning and cost controlling.
- ❖ Monitoring the Calibration of Concrete Batching plant
- ❖ Good knowledge about batching plant work and material records Good knowledge about aggregate test
- ❖ Maintain proper record of all the materials at site
- ❖ Monitoring the Calibration of Concrete Batching plant

CERTIFICATIONS

- ❖ ISO 9001:2015 QMS Lead Auditor
- ❖ CITB Certified

AWARDS & ACCOLADES:

- ❖ **Outstanding Achievement Awarded by NEOM SHAJV on 2023**
- ❖ **Received HSE recognition award for dedicated service BY NEOM&SHAJV on 2023**
- ❖ **Best worker of the year Awarded by CGGC in 2022**

Personal Information.

Father Name : Mukhtiar Ahmed
Date of Birth : 27th November 1994
Nationality : Pakistani

Language Known : English, Urdu & Balochi

Permanent Address : Eid gah tausna shairef Punjab

Educational Qualification:

B.S (Hons), Applied Geology from University of Azad Jammu & Kashmir 2012-2016