

## AAMIR SHAHZAD

(MS Structural, BSc Civil Engineer, CQI-IRCA QMS Lead Auditor (ISO-9001), PMP

Concourse-A - Riyadh Airport , Saudi Arabia

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*Highly analytical and intuitive quality control leader recognized for repetitive accomplishment, Cross-functional technical QA/QC teams in execution, design and launch of leading-edge solutions. Proficiency in evolving technologies-based innovation comprising operational efficiencies, complex problem solving, risk analysis & mitigation plan. Eminent for process of quality control, best engineering practices, leadership skills, conflict management, accomplishment within timeframe/budges, seamless workflow management.*

### Experience

Mar 25– To date	Safari Group	Construction of Concourse-A building Riyadh Airport KSA
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#### **QA/QC Manager & Head of DC Department (WSP / RAC Approved)**

- **Introduction of project:** The King Khalid Internal Airport (KKIA), the Construction of Concourse-A building, which is extension of Terminal-01 building. This involves some elements demolition & expansion and modernization of airport infrastructure, including runways, taxiways, terminals-1, control towers, and support facilities. The project is a high-value, multi-stakeholder initiative involving government agencies, WSP as consultants, and Safari as contractors.
- **Responsivities:** As QA/QC Manager key responsivities are listed below:
  - **Preparation & approval** of Project Quality Plan (PQP), inspection & test Plan (ITPs), Method of Statement (MST), review of pre-qualifications, review & approval of material submittals (MAR), Plans, etc.
  - **Ensure proper management**, tracking, and archiving of all quality-related documents in accordance with project and regulatory requirements.
  - **Oversee** all inspection and testing activities to ensure construction materials and workmanship meet specified standards.
  - **Coordinate** with contractors, consultants, and regulatory authorities to resolve quality issues and ensure compliance with project specifications.
  - **Maintain** comprehensive documentation of quality records and lead internal and external audits.
  - **Manage** the technical prequalification and approval process for subcontractors, manufacturers, and all vendors requiring consultant and client approvals
  - **Guarantee** continuous improvement of quality practices and deliverables throughout the construction lifecycle

### **Manager QC (NEOM Approved, Multiple projects)**

- **Responsible** for the Quality Control for the Al-Bada (235 ML) and Magna Water (200 ML) Reservoir projects, including a 25 ML/day capacity tank in Al Bada'a. Managed the construction and quality assurance of various associated buildings, such as pump stations, electrical and chlorination buildings, security huts, energy buildings, and welfare facilities.
- **Manage and oversee** project quality to ensure compliance to codes, standards, regulations, equipment specific specifications, and QMS requirements.
- **Overseeing the development** and execution of the Quality Management System (QMS) for planning, fabrication, inspection, documentation, and operational activities, including:
  - Coordinating QA/QC staff assignments and work schedules
  - Defining relevant standards for internal departments and external parties.
  - Determining certification requirements and ongoing training needs for QA/QC personnel.
  - Providing leadership, mentorship, and guidance to all QA/QC team members.
- **Implemented, developed and ensured** adherence to Schedule-Q and the Project Quality Plan (PQP), maintaining compliance with the quality management system requirements.
- **Ensures compliance** with required standards by developing, implementing, and auditing quality control procedures, while training staff and maintaining documentation to uphold consistency and regulatory requirements.
- **Manages project audit program**; including internal and External audits.
- **Collaborated** with ETSD and BECHTEL teams to implement technical parameters and project requirements effectively
- **Handling non-conformance** (both internal & External), deficiencies, and reporting programs, including root cause analysis, correction & corrective actions.
- **Testing & commissioning** of critical electrical equipment, including Transformers, Switchgears (33.3KV, 6.6KV), PFC Panels, MDB, EMBD, Busways, and UPS systems.
- **Supervision** of the installation and quality control of carbon steel pipelines (48", 44", 20", 12") with a total length of approximately 5000m, including welding, coating, NDT, hydrotesting, and reinstatement activities.
- **Prepared, Implemented and executed** special procedures, technical inspection plan, testing and assessment methods to certify all the construction activities are adhere completely as per design, specification and best engineering practices. Prior to move ahead every construction activity certificated by consultant /client and get approval to precede to next activity.
- **Handling Quality Team**, a team of 10 quality control inspectors (QCIs) and 2 supervisors, to implement the Quality Management system (QMS).

- Having effectively communication both verbal and written, with all interested parties of project, i.e., EPM, ETSD, NEOM internal organization departments, third parties, suppliers, subcontractors, and regulatory authorities.
- **Managing Quality Documents**, Preparation of quality documents, procedures and keeping documentations, like PQDs, Logs, MAR, MIR, WIR, ITPs, submitted to consultant.
- **Mass Concreting Handling**, to meet the requirement of ACI 301 and ACI 207, using thermocouples to monitor the heat produce due to hydration.
- **Achievement**, Approved in Code-B for multiples projects by NEOM and Bechtel and converted to Code-A as per performance.

Oct 19– April-23

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ISLAMABAD Pakistan

### **Manager QA/QC**

- **Prepared. Implemented and executed** technical inspection, testing and assessment methods to certify all the construction activities are adhere completely as per design, specification and best engineering practices. Prior to move ahead every construction activity certificated by consultant /client and get approval to precede to next activity.
- **Preparation of** quality procedures and documentations as per design and specification requirement, like MAR, MIR, WIR, ITPs, ICL, submitted to consultant. Follow up SOR, NCR, and making sure compliance as per project guidelines.
- **Testing** of construction material and preparation of test reports, liaison with laboratory, batching plants, and execution. Responsible for the tests of fresh and harden concrete from C-15 to C-40 and ensuring the achievement of desire compressive strength at site. Conducting test (FDT, CBR, Proctor etc.) on pavement, like base, subbase, asphalt and ensuring to meet desire quality standards.
- **Leading** the team of lead quality engineer, QIs Civil, MEP quality inspectors, supervisors and laboratory technical staff as per the guidelines and procedures of **ISO:9001:2015**.
- **Developed quality** in the foundation of KMK towers, which is G+17 storey towers, conducted the mass concreting in mat footing as per ACI-207 1R-05 and 4R93.
- **Preparation and Implementation** of QA/QC standards as per project requirement, to all the development projects at site like Highways, roads, streets, Sewer Treatment Plant (STP), Truck Sewer, Culverts, RCC box Drains, Nullah, storm water drainage network.
- **Planned and conducted** subcontractor activities and generation/preparation of SOR, NCR report where ever deviated from standard QA/QC procedures.
- **Delivered** number of quality certified projects successfully, like 3,250 ft RCC nullah including culverts, Road networks, mat footing of 18 story KMK tower, overhead and underground waters tanks, electric feeder ducts, roads crosses (sleeves), RCC double box Nullah, storm water system.

**QA/QC Manager**

- **Completed** number of projects as **QA/QC** head under the supervision of consultant **NESPAK** and client as per project requirement, quality procedures, & drawings/specification like, Link taxiway, Construction of Emergency Access Roads on either side of Runway, Construction of SIAL Secretariat, 3<sup>rd</sup> floor of amenity building, ASF Barracks, Rapid exit loop, taxiway & dumbbell and Rapid Repair of runway, Construction of prefab Cargo Shed, dragoon vehicle shed, etc.
- **Monitored** all the technical execution teams including sub-contractors as per quality procedures & requirements. Inspection and supervision of all the activities like Civil, MEP, Structural, include soil compaction, moisture content, FDT, STPs, CBR, gradation of materials, testing of fresh & hard concrete (C-15- C-45), CTBC, base, subbase, survey line coordinates, asphalts, runway lighting system, steel testing, concrete covers, spacing of reinforcement, collecting samples, organizing tests, submission of material inspection report (MIR) and get approval from consultant **NESPAK**.
- **Team Leader:** leading as number of technical staff, including lab engineers & technician, quality inspectors, MEP engineers, surveyors.
- **Managed** handover quality projects like, link taxiway, emergency access roads with culverts at both ends, prefab cargo shed, ASF barracks, drainage network, rapid repair of runway, heck post etc.

**Quality Control Engineer**

- **Ensured** conformity of material and works according to the contract Drawings & specifications.
- **Monitored and certified** all the building as per structured drawing/specifications and well-defined engineering practices, like correct diameter/number of reinforced bars, compressive strength, tensile strength, effected curing, lap-length, spacing, development length, concrete cover.
- **Attended & coordinated** site & client meetings regarding the planning & progress.
- **Preparation and submission** of method of statement, MIR, ICL to the clients and ensuring the requirement of client.
- **Completed**, OPD, Inpatient. A&E buildings successfully.

**Quality Control Engineer**

- **Oversaw** various schools and colleges projects in Salalah region of Ministry of Education of Oman, specially three storey primary school in Al-Khof Salalah.
- **Ensure Strick** compliance to all ITP, quality procedures, drawings/ technical specifications and identified all deviation from drawing/specification, issue sites instructions and ensured corrections.
- **Examined MIRs** raised by Contractor, and subcontractors, inspection of construction materials, and certification of quality as per approved. Conducted tests where necessary and compiled reports.

- **Monitored** the progress of the work against the approved contractor programmed of works and advise the Contractor in case of any issues.
- **Impose** SOR, NCRs, construction Schedule, monitored progress reports and send it to head office and **Ministry of Education Oman.**

Jun 10–May 11	PAKISTAN ENGINEERING SERVICES (PES)	DHA LAHORE PAKISTAN
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### *Junior Design Engineer*

- **Insisted** my senior design engineer in designing number of multistorey buildings by modelling in SAP2000, Etabs, safe and verified manually where required.
- **Prepared** complete set of submission drawings, tender documents, and modification of technically specifications as per requirement of project.
- **Supervised** stagewise visit of designed projects and ensured implementation of designs.

### Education

2013 – 2015	<b>NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY (NUST)</b> <i>MS Structural Engineering</i>	<b>ISLAMABAD</b>
2006– 2010	<b>UNIVERSITY OF ENGINEERING AND TECHNOLOGY</b> <i>BE/BSc Civil</i>	<b>LAHORE</b>
1993– 2005	<b>Army Public School &amp; College Ordinance Road</b> <i>Grade-1 to FSc (HSSC)</i>	<b>RAWALPINDI</b>

### Memberships

PEC: Civil-30296 (Professional Engineer)

SEC: Identity No.: 2556870976

Membership ID: 1008313

### Technical Skills

- Structural codes & execution knowledge / experience
- Top class Quality Control/Assurance skills, leadership skills.
- Knowledge ACI-318 -207,301, ASTM standards (A, C, M,), ISO-9001-2015 (QMS),
- Management skills, ability to meet deadlines
- Maintain Safety and Legalities of projects.
- Problem solving and effective communication skill.
- Excellent structural understanding
- Excellent organizational and leadership skills