

## ENGR. MUHAMMAD SHOAB ALVI

Al Toukhi Company for Industry, Trading and Contracting  
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### Career Summary

Graduate Civil Engineer and Certified Quality Auditor with almost 14+ Years of Experience in Civil Engineering, Construction and Project QA/QC in International Settings. Experienced in Power Plants, Sub-Stations, Transmission Line, Wastewater Treatment, Telecom, Buildings & Oil Gas Infrastructure Projects.

**Education:** **B- Tech - Civil, Bachelor Degree in Civil Engineering** from Preston University of Management Science & Technology Karachi, Pakistan.

**Diploma in Associate Engineering** with 1<sup>st</sup> division in Civil Technology from Govt. College of Technology Bahawalpur, Pakistan.

**Certification:** **Certified Lead Auditor QMS ISO 9001:2008**, IRCA Registered – Course by Bureau Veritas.

**Diploma in AutoCAD 2004** from Govt. College of Technology Bahawalpur, Pakistan.

**Certificate of Project Management System (PMS)** from Technical Educational Vocational Training Authority Punjab, Pakistan.

- Official References:**
- 1- **Engr. Kamal K. Al-Hourani**  
**Director QA/QC, Planning & Post Projects Review**  
Al-Toukhi Company for Industry, Trading & Contracting – Saudi Arabia  
Phone: 00966 506429263      Email: [kamal@altoukhi.com](mailto:kamal@altoukhi.com)
  - 2- **Engr. Abdul Rafe**  
**Project Manager (Replacement of Power Supply, 230KV, 13.8KV Sub-Station Abu Ali Project – Saudi Aramco)**  
Al-Toukhi Company for Industry, Trading & Contracting – Saudi Arabia  
Phone: 00966 500038521      Email: [marafe@altoukhi.com](mailto:marafe@altoukhi.com)
  - 3- **Engr. Khalil Akhtar**  
**Project Manager (Expansion of Muhayel (West) & Namerah (North) 60MVAR & 120MVAR Reactors, GIS, HGIS Installation Project)**  
Al-Toukhi Company for Industry, Trading & Contracting – Saudi Arabia  
Phone: 00966 532319646      Email: [makhtar@altoukhi.com](mailto:makhtar@altoukhi.com)
  - 4- **Engr. Erwin Ripalda**  
**Sr. Project Engineer (Abu Ali Plant, Gas & Oil Separation Unit - Saudi Arabia Saudi Aramco)**  
Saudi Aramco  
Phone: 00966 532613022      Email: [Erwin.ripalda@aramco.com](mailto:Erwin.ripalda@aramco.com)

**Official Approval:**

- Quality Control Manager (Saudi Aramco Approved)
- Quality Control Supervisor – SAP # 70021391 (Saudi Aramco Approved)
- Quality Control Engineer (Saudi Electricity Company Approved)

**Competencies:**

- Technical Capacity
- Organizational Skills
- Customer/Client Focus
- Time Management
- Leadership

**Date of Birth:** March 19, 1986  
**Nationality:** Pakistani  
**Marital Status:** Married  
**Saudi Driving License:** Valid & available  
**Experiences:** Fourteen (14) years of experience as follows;

**Period:** May 2016 to date (Present)  
**Position:** Civil Quality Supervisor – SAP # 70021391 (**Saudi ARAMCO Approved**)  
**Project:** Abu Ali 230 KV Sub-Station Project, Replacement of Power Supply  
**Client:** Saudi ARAMCO  
**Company:** Al Toukhi Company for Industry, Trading & Contracting

**Activities involve me in the following:**

- Supervise all Quality Control site activities and report to the Quality Control Manager.
- Supervise the team of QC inspectors ensuring conformance with the Quality plan.
- Supervise the Controlling corrective actions.
- Ensure that Inspection and Test results are recorded and logged.
- Ensuring that mandated Quality Control measures are applied on a consistent basis.
- Ensuring that QC documents are properly maintained in accordance with the required project procedures.
- Prepare Inspection and Test Plans, Inspection Check-Lists & Work Instructions.
- Prepare / review of quality procedures for special process.
- Ensuring that revision of QC procedures are distributed, up-to-date and on file.
- Assisting in the development of new or additional QC documents and / or procedures when required to do by virtue of the work or at the request of the Quality Manager.
- Perform inspections as directed by the QC Manager to assure that the work is performed in accordance with approved specifications and contract requirements.
- Prepare inspection reports and response all items of non-conformance in QMIS to SAPMT & SAPID.
- Coordinate with construction department & monitor for the compliance of Project standards, procedures & specifications, and / or third party inspection agency to perform stage inspection in line with the approved Inspection and Test Plans, Inspection Check-list.
- Monitor the use of proper calibrated instruments at proper location for delivering / during inspection activities.
- Prepare & submit two weeks look ahead inspection schedule for review to SAPMT & SAPID in weekly Quality meeting.

**Period:** February 2016 to April 2016  
**Position:** Project Quality Control Manager (**Saudi ARAMCO Approved**)  
**Project:** Abu Ali 230 KV Sub-Station Project, Replacement of Power Supply  
**Client:** Saudi ARAMCO  
**Company:** Al Toukhi Company for Industry, Trading & Contracting

**Activities involve me in the following:**

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- Ensure a high level of internal and external customer service, investigate and correct customer issues and complaints relating to Quality.
- Supervise workers engaged in inspection and testing activities to ensure high productivity and high technical integrity.
- Develop and analyze statistical data and product specifications to determine standards and to establish quality and reliability expectancy of finished product.
- Formulate, document and maintain quality control standards and ongoing quality control objectives
- Prepare monthly quality management report, Project quality index (PQI) report and submit to client by official transmittal.
- Actively monitoring QMIS (Quality Management Information System) & submit the response to client for any LBE, Proactive notification and NCR's.
- Create document and implement inspection criteria and procedures.
- Interpret quality control philosophy to key personnel within the Company.
- Provide and oversee inspection activity for product throughout production cycle.
- Apply total quality management tools and approaches to analytical and reporting process.
- Interact with vendors to ensure quality of all purchased parts.
- Maintain active role on internal continual improvements procedures and process.
- Design, develop and implement quality control training programs.

**Period:** October 2014 to January 2016  
**Position:** Civil Quality Supervisor – SAP # 70021391 (**Saudi ARAMCO Approved**)  
**Project:** Abu Ali 230 KV Sub-Station Project, Replacement of Power Supply  
**Client:** Saudi ARAMCO  
**Company:** Al Toukhi Company for Industry, Trading & Contracting

### **Activities involve me in the following:**

- Ensure that responses are complete and in compliance with the contract documents and project specifications.
- Prepare two weeks look ahead inspection schedule, concrete test reports for weekly quality meeting.
- Issue ILBE (Internal logbook entry) if construction / sub-contractor is violating the SA standards & project specification. Raising NCR if corrective actions are not been taken immediately.
- In such conflict between project design & site condition. Verifying the red line drawings in consultation with PMT.
- Monitor the celebration certificate of measuring, testing instruments / equipment & attaching the update log in weekly quality meeting to review of PID's & PMT's.
- Attending third party laboratory for witnessing the concrete compressive strength tests with PID.
- Review technical submittals for SA standard compliance before sending to PMT review.
- Monitor sub contractor Quality activities and maintain all the records.
- Provide technical assistance to the Project Engineer or Site Engineer.
- Make sure that any activity requested for the inspection has an approved shop drawing, method of statement (MS), Quality Control Procedure (QCP) and Inspection & Test Plan (ITP).
- Monitor quality of works for conformance to contract documents, including project specifications and approved drawings.
- Inspection of Cast –in-place concrete includes grade & site preparation, Form work, Epoxy coated steel re-bar installation, concrete sampling and testing & placement, concrete finishing and curing, form work stripping, final acceptance inspection.
- Inspection of Structural steel for buildings includes receiving of Structural steel and plates and bolt-nut-washers, fabricated steel structures, Inspection of support foundation prior to

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installation, field weld connection, Structural alignment during erection , grouting ,high strength bolts tightening, Structural installations, coating and touch-up inspection.

- Monitor and record the contractors' activities and highlight any deficiencies in terms of approved schedules.
- Ensure relevant Health and Safety procedures are being adhered to.
- Audit inspections for conformity to contract documents and sub contractor submitted plans.
- Follow up and ensure agreed QA/QC procedures are being adhered to by all parties and report any deficiencies.

**Period:** May. 2013 to Sep. 2014  
**Position:** Senior Civil Quality Engineer  
**Project:** Al Omran 380/115/13.8 KV Sub- Station, Project  
**Client:** Saudi Electricity Company (SEC)  
**Company:** Al Toukhi Company for Industry, Trading & Contracting

### **Activities involve me in the following;**

- Organize, implement and manage the Civil QA/QC functions at site as per company's quality management system.
- Performs inspections and witness tests and provide the support or alert the project team of any potential problem.
- Ensure optimum utilization, calibration, repair and maintenance of measuring and testing equipments.
- Conducting internal audits.
- Attend monthly meeting and prepare the quality reports.
- Responsible to organize, implement, conduct and manage the QA/QC Programs as per the Company's Quality Policy.
- Coordinate the document controls of technical submittals, drawings, etc with the Project Team and to ensure that the QA/QC validation has been done, to ensure their issue, amendments and recall of controlled documents.
- Coordinate all inspections; monitor the required tests and record inspections and tests made per the Contract Plan and Contract Specifications.
- Liaise with the Client's representatives for the conduct of day-to-day quality related project activities.
- Coordinate with the Project Manager regarding work performance and hold authority to stop work in.
- Provide technical support to the Project Manager, Site Manager and guidance to site staff in submission of materials for approval, request for inspection, shop drawings, As-built drawings.
- Ensure that Non-Conformance Report (NCR) is raised once the activities deviated from the Contract Specifications or normal construction industry practices.
- Attend Monthly Project Review Meetings (PRM) and alert the project team of any potential problems.

**Period:** October, 2011 to May, 2013  
**Position:** QA/QC Civil Engineer  
**Project:** Qassim 380kV Sub- Station, Project  
**Client:** Saudi Electricity Company (SEC)  
**Company:** Al Toukhi Company for Industry, Trading & Contracting

### **Activities involve me in the following;**

- Organize, implement and manage the QA/QC functions at site as per company's quality management system.
- Coordinate and ensure implementation of the document control procedures

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- Performs inspections and witness tests and provide the support or alert the project team of any potential problem.
- Ensure optimum utilization, calibration, repair and maintenance of measuring and testing equipments.
- Conducting internal audits.
- Attend monthly meeting and prepare the quality reports.
- Responsible to organize, implement, conduct and manage the QA/QC Programs as per the Company's Quality Policy.
- Coordinate the document controls of technical submittals, drawings, etc with the Project Team and to ensure that the QA/QC validation has been done, to ensure their issue, amendments and recall of controlled documents.
- Coordinate all inspections; monitor the required tests and record inspections and tests made pas the Contract Plan and Contract Specifications.
- Liaise with the Client's representatives for the conduct of day-to-day quality related project activities.
- Coordinate with the Project Manager regarding work performance and hold authority to stop work in.
- Any area where discrepancies remain uncorrected and/or cancel the stop work order upon satisfactory correction of noted deficiencies.
- Provide technical support to the Project Manager and guidance to site staff in submission of materials for approval, request for inspection, shop drawings, As-built drawings, O & M manual.
- Assist QA/QC Manager in conducting internal quality audits.
- Ensure that Non-Conformance Report (NCR) is raised once the activities deviated from the Contract Specifications or normal construction industry practices.
- Coordinate with the project staff to compile and maintain pertinent records of inspection and testing until end of the contract and all pertinent records for retention on completion of the project.
- Attend Monthly Project Review Meetings (PRM) and alert the project team of any potential problems.

**Period:** November 2009, to October, 2011  
**Position:** QA/QC Civil Engineer  
**Project:** Qassim Power Plant Project Ext- II, Qassim (240 MW Project)  
**Client:** Saudi Electricity Company (SCECO)  
**Company:** Arabian BEMCO Contracting Company Pvt. Ltd.  
(Saudi Binladen Group IPP Division) Saudi Arabia

### **Activities involve me in the following:**

- Participate actively in the development and review of related work package Quality Control Program.
- Ensure the implementation by sub- contractors of the approved Inspection and Test Plan (ITP), Quality Control procedures and testing protocols.
- Use reviewed and approved inspection and test plan, quality procedures, specifications, and drawings.
- Assist material control department during material receiving process and participate in resolving of any detected discrepancy.
- Ensure daily site inspection patrol as per the inspection and test plan and following formal request from the construction department.
- Conduct inspection of the earth works, excavation and backfilling and test backfilling material as per specification, approved standards, and clients approved laboratory results.
- Participate in the inspection of steel works, steel size, quality, quantity, and steel binding of the main turbine and generator foundations as per approved drawings, standards, and specifications.

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- Ensure that any repair and following inspection is done on a basis of the approved method statement and instruction included with the related non- conformance report.
- Conduct inspection of all construction activities including the construction of main mechanical, electrical and fire fighting trenches, block work, plaster, paint and water proofing of main turbine building as per IFC drawing, standards, and specification.
- To be present and control the construction of fuel oil forwarding building, demin water treatment plant building, electrical rooms, pipe sleepers, roads and walkways as per approved inspection test plans (ITP) and specifications.
- Ensure daily sub- constructor's QA/QC monitoring to enhance quality assurance by sub contractors and promote a proactive and preventive approach to reduce to the rework.
- Participate in the final internal inspection prior to inspection with Client Engineer.

**Period:** April 2009, to October 2009  
**Position:** Site Construction Engineer  
**Project:** Juaymah Gas Plant Waste Water Project, Raastanura  
**Client:** Saudi Aramco  
**Company:** Arabian BEMCO Contracting Company Pvt. Ltd.  
(Saudi Binladen Group IPP Division) Saudi Arabia

### **Activities involve me in the following:**

- To develop, maintain, and planning of daily construction activities, material requirements, tools and machinery.
- Monitoring the construction of MBR (Membrane Bio Reactor) building, tank foundation ring beam & pipe trenches as per ARAMCO standards and specifications.
- Make sure that all under construction civil works are running as per IFC drawings, ARAMCO approvals quality standards and specification.
- Worked and participated in the construction of electrical and mechanical trenches, excavation and construction of sewer lines, oily manholes and pipe sleepers.
- Actively coordinate with the design department for FCN/ DCN (field change number/ design change number)
- To arrange the work permits prior to start any construction actively in the site.
- Submittal of daily and weekly construction progress report to the technical manager.
- Ensuring that quality and safety procedures are being maintained during any construction activity on site.

**Period:** August 2007, to March 2009  
**Position:** Site Civil Engineer  
**Project:** Qurayyah Combined Cycle Power Plant Project, Dammam (1200 MW Project)  
**Client:** Saudi Electricity Company  
**Company:** Arabian BEMCO Contracting Company Pvt. Ltd.  
(Saudi Binladen Group IPP Division) Saudi Arabia

### **Activities involve me in the following:**

- Review IFC drawings, specification to execute the field construction.
- Planning of daily activities, manage the construction requirements, tools and machinery.
- Assigned to power blocked construction of the following main foundation, mass foundation for gas turbine, generator, compressor, ccw system, fin fan cooler system foundation, fuel gas heater foundation, piping trenches, step-up transformer, main mechanical piping trench, hundreds of meters of electrical duct banks, annex building, roads and walkways.
- Coordinates with Quality department for all internal inspection.
- Submittal of weekly progress and update to planning department.
- Submittal of "Request for Inspection" and participate in inspection of technical works.
- Submittal of daily and weekly progress report to the department manager.

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- Actively coordinate with the design department for FCN/ DCN (field change number/ design change number)
- Assigned to construction of CCB (Central Control Building), oily sewer channel, storm water, generator pads, electrical and oily sewer manholes, fuel gas compressor building, and residential compound and electrical rooms.

**Period:** January 2006, to July 2007  
**Position:** Civil Engineer  
**Project:** Regenerator Buildings & Tower Projects, Sindh Region  
**Client:** Wateen Telecom Pvt. Ltd, Dubai Group  
**Company:** Arden Engineering and Automation Pvt. Ltd, Pakistan

### **Activities involve me in the following:**

- Construction BTS sites including tower foundations and installation of shelters/ rooms.
- Making joint visit to acquire the new BTS site.
- Construction of generator foundation and fuel tank foundation on the site.
- Performed civil work maintenances for telecom sites.
- Coordinate with the design department to make field change number as per work or site requirements.
- Attending meetings in regional and head office to discuss and plan about ongoing tower sites, materials issues, client correspondence, and weekly and monthly construction targets.
- Verify BOQ's as well as an additional works claimed by the subcontractors.
- Periodic evaluation of existing sub- contractors.
- Monitoring the construction works of boundary wall or fence, paint, floor works and electrical room.
- Pre- qualification of sub contractors.
- Make sure that the client is satisfied with the project quality, progress or work production.
- Coordinate with clients regarding progress and regular monitoring of BTS sites until completion and conducting PAT/ FAT (Partial Acceptance/ Final Acceptance).

**Period:** July 2004 to December 2005  
**Position:** Site Engineer  
**Project:** Lyari Expressway Project, Karachi  
**Client:** Reinforced Earth Pvt. Ltd, Subsidiary of Freyssinet, Vinci Group France  
**Company:** Zeeruk International Company Pvt. Ltd, Pakistan

### **Activities involve me in the following:**

- To supervise the construction works of roads, backfilling, sub-grade, sub-base, base course, MC1, Asphalt, walkways, manholes and drainage system.
- To supervise the construction of panel bridges (S1, S2 & H type panel) road culverts and side drains.
- To conduct daily inspection requested by the sub- contractor for construction activities.
- To work or supervise the precast concrete panels, rebar erection & concrete pours.
- To check the material quality and report to senior site engineer.
- To observe the construction activities and prepare daily and weekly progress report.
- To ensure that quality and safety procedures are followed at site all time.

### **Language Skills:**

- Proficient in written and oral English, Urdu & Arabic.