

Engr Muhammad Haseeb

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

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Current City Riyadh

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OBJECTIVE:

Intent to build a career in your organization where I can invest my skills and experience which would form a platform to explore my potential, assert positive approach to problem solving skills and enrich my knowledge.

Career Summary:

Experienced Mechanical Engineer with 5 years of expertise in the Installation of HVAC System, Firefighting System, Fire Alarm System, Plumbing Fit out, Chiller system, TVS, And Steel manufacturing, Quality inspections, testing & Commissioning and documentation for mechanical systems in large-scale projects. Proficient in developing and implementing QA/QC procedures, ensuring compliance with national and international standards. Adept at identifying non conformities, resolving quality issues, and ensuring successful project handovers.

PROFESSIONAL EXPERIENCE

❖DIYAR AL WATAN Trading & Contracting CO. (DACO) [Turaif, Saudi Arabia]

QA/QC Mechanical Engineer, (DEC 2024 to Continue)

Responsibilities:

- Prepare and maintain QA/QC plans, Inspection & Test Plans (ITP), Method Statements, and checklists in line with project specifications and codes (ASHRAE, SMACNA, NFPA, etc.).
- Ensure proper documentation of material submittals, calibration records, vendor approvals, and compliance certificates.
- Review WPS (Welding Procedure Specification), PQR (Procedure Qualification Record), and WPQ (Welder Performance Qualification) to ensure compliance with project specifications and international codes (ASME, AWS, API, etc.).
- Verify welder certifications and ensure they are valid and approved for specific welding processes and positions.
- Inspect base materials for defects, cleanliness, and proper identification.
- Ensure proper joint preparation, fit-up, and alignment before welding.
- Witness and interpret NDT (Non-Destructive Testing) results – VT, RT, UT, PT, and MT.
- Assist in the preparation of final QA/QC dossiers and welding documentation for project handover.
- Liaise with production, client representatives, and third-party inspectors.
- Raise the Inspection of External Underground utilities of Sewage System, Sewage manholes IC, Sewage Piping, HDPE, GRP, Cast iron, RTR Piping for sewage, Firefighting, and water supply systems.
- Making Chlorination of water Supply piping Underground up to buildings and final reports submit to consultant for approval.
- Witness hydrostatic, pneumatic, and other mechanical tests as required.
- Carried out internal audits and reviews to assess the effectiveness of quality control processes and identify areas for improvement. Also, participated in external audits including site walk and document verification by clients or regulatory bodies.
- Prepared and communicated quality reports, including inspection findings, test results, compliance status, and quality performance indicators to project stakeholders and management.
- Making, TIR, Operation Maintenance manual, Handing over documents.
- Closing Snag list with Site team. Submitting As built drawings, operational maintenance manual and Warranty Certificates to Consultant.

❖ALOHDAH MANAGEMENT & CONSULTING (ANM) [Riyadh, Saudi Arabia]

QA/QC Mechanical Engineer, (May 2024 & Dec 2024)

Responsibilities:

- Supervised and conducted QC inspections and tests of piping (PVC, PPR, HDPE, uPVC, cPVC, GRP, GI, and MS), Fire Fighting Equipment, Ducts, HVAC Equipment, Plumbing Equipment, and other mechanical systems.
- Storm Drain: Monitor the Quality and Raise WIR/MIR of Supply, Installation of Storm Drainage, Complete network of 5000 lm GRP and UPVC Piping, 500 psc, Manholes and Catch Basin, up to Lift Station. Raise WIR for Gravity test for piping. Make functional test with consultant.
- Sewage Network: Raise the WIR/MIR of Supply Installation of Complete Network of Sewage System of Total Village, Including 13000 lm UPVC piping, 1000 Manholes and Inspection Chamber. Entire Village Lift Station, Sump Pumps ,
- QA/QC for Installation, testing and Commissioning of 3500 m3/day, Veolia Sewage Treatment Plant and Lift Station.

- Fire Fighting Network: Raise WIR/MIR of Supply installation of 9000 Im, HDPE Piping, 120 Fire Hydrant, Alarm check valves, DBV, FHC and ZCV. The Main Fire Fighting Pumps Stations 1500 GMP Electric Motors, Diesel Engine and Jockey Pumps with water Storage GLS tanks .Three temporary Firefighting Pump stations Including Electric motor, Jockey and Diesel Generator Pump of 1000 GPM. Functional test with Consultant.
- Portable piping network for whole Village: Making WIR /MIR of Supply Installation of 2000 Im HDPE portable piping and valves. Three Booster Pump Stations with GLS Storage Tanks of Portable, Irrigation with Capacity of 500000 Liters.
- Irrigation Network: Making WIR/MIR of Supply Installation of HDPE piping for Full irrigation network with DBV, Manholes, Sprinkles, Bubblers, and Solenoid Valves.

❖ **INTERNATIONAL CONSULTING SERVICES (ICS) [Riyadh, Saudi Arabia]**

QA/QC Mechanical Engineer (MAY 2023 – APR 2024)

Responsibilities:

- Review and analysis all MEP drawing materials, Schedules/ program of work etc.
- Ensure proper installations are done as per the approved design drawings and project specifications.
- Preparing weekly and monthly report & Reported with Manager and Construction Manager.
- Materials / Work inspection to inspect with consultant.
- Monitoring of work as per specification, local & international standard codes.
- Attending authority inspection's as per the project schedule. Attending all testing & commissioning of MEP services.
- Preparing MIR, WIR for each activity and material.
- Physical inspections including Alignment setting out with level survey checks.
- Pipe line Inspection & Testing, also transportation and laying specification requirements. Inspection of Plumbing, HVAC, hydrostatic testing package, installation of AC units.
- Liaising with the Engineer for day-to-day quality related activities of the project. Coordinating for all inspection & tests as per project quality plan and contract requirements.
- Supervised Quality work of Building HVAC, Plumbing, Firefighting & Infrastructure MEP work i-e Irrigation, and Drainage & Pumping work as per Project Standards.
- Reviewed the mechanical/electrical works check list, as built drawing and related quality control documents for final drossier.

❖ **A&M INTERNATIONAL GENERAL CONTRACTING L.L.C [Abu Dhabi, UAE]**

MEP Engineer (March 2022 –May2023)

Responsibilities:

- Installation of HVAC systems and related equipment like AHUs, FCUs, VAVs, ducting and piping .
- Installation of various Fire Fighting systems like Water Based systems and Clean Agent system .
- Installation of Fire Pump Room, Fire Hose cabinets, sprinkler system and Foam system.
- Installation of Plumbing services in Fit out Projects .
- Preparing construction activities schedules and plan according to site requirements.
- Attending progress meetings with management and consultants.
- Dealing and guiding subcontractors about their scope of work at site.
- Supervising Pre commissioning activities and Testing and Balancing work of HVAC systems
- Coordination of Mechanical services installation with other services
- Meetings with subcontractors about scope of work, schedules, pricing and meeting deadlines
- Assisting site engineers and supervisors at site for different technical issues
- Raising RFIs in case of technical complications.
- Managing compliance, quality control and quality assurance at site.
- Helping Procurement team for selection of required material as per approval and project specifications.

❖ **FF Steel Industry [Peshawar, Pakistan]**

Mechanical Engineer (July 2021-March 2022)

Responsibilities:

- Plan, install, and commission new mechanical systems, machinery, and production lines.
- Supervise fabrication, erection, and alignment of heavy equipment (furnaces, kilns, ducts, hoppers, rolling machinery).
- Coordinate with contractors and vendors for timely project execution.
- Prepare daily, weekly and monthly reports on project progress and attend Weekly review meetings for execution and progress.
- Monitor mechanical equipment (rolling mills, conveyors, cranes, pumps, compressors, blast furnaces, etc.) for smooth operation.

- Supervising and monitoring on daily basis all the Mechanical Work has been done according to QC standards
- Monitor site safety and ensure that the requirements of the Occupational Health and Safety Act are enforced in accordance with QC.
- Took part in Coordination meeting with Client at different stages of Design for the approval of Design.
- Conduct preventive and predictive maintenance to minimize downtime.
- Troubleshoot mechanical issues and carry out corrective maintenance.
- Ensure equipment complies with local and international mechanical standards.
- Perform periodic inspections of equipment for wear, corrosion, and fatigue.
- Lead and supervise maintenance teams, technicians, and fitters.
- Liaise with production, electrical, and instrumentation departments.

INTERSHIPS

- **Lawaghar Steel Industry , Pakistan (3 Months)**
- **FF Steel Industry pvt. ltd, Pakistan (2 Months)**
- **Visone Innovation pvt. ltd, Pakistan (2 Months)**

KEY QAULIFICATION:

- ❖ Excellent Communication
- ❖ AutoCAD/ Solid works knowledge
- ❖ Document control
- ❖ Project Estimation
- ❖ Change Order Management
- ❖ Presentation Creation
- ❖ Subcontractors Management
- ❖ Instrument testing
- ❖ Contract negotiation
- ❖ Construction And workpalce Safety
- ❖ Enthusiastic and able to work under pressure
- ❖ Strong Technical Aptitude
- ❖ Complex Problem solver
- ❖ Creation amd Critical Thinker
- ❖ Leadership
- ❖ Excellent Team player
- ❖ Construction Planning and Scheduling
- ❖ Decision Maker

PROJECT HANDED OVER:

- Waad Al Shamal Turaif (Construction of Infrastructure and Single Unit Apartments – EPC-LSTK)
- Riyadh Metro Project
- King Salman Air Base Riyadh (Residential Area Building of Apartments For Air Force Officers).
- Al Maryah Vista 1 Tower, Abu Dhabi, UAE
- Steel Plant

Certifications:

Nebosh --- IGC UK

ISO QMS 9001 Lead Auditor IRCA

Classification: Internal

OSHA

First AID Kit-Red Crescent