

MOHAMMAD IRSHAD ALI (Senior MEP Engineer)

UAE CIVIL DEFENCE CERTIFIED MECHANICAL ENGINEER

An interdisciplinary Mechanical Engineer with over 10 years of work experience in the fields of Infrastructure & Building Mechanical Systems for Quality/Construction/Project management. Targeting to express potential in top-level assignments in Project Management Consultants/Office (PMC/PMO), Quality Management, Building/Infrastructure & MEP Management with an esteemed organization.

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Core Competencies

- MEP System Installation
- BOQ & Work Scheduling
- Infrastructure & Construction Management
- MEP Management/ Coordination
- Sustainability Management
- Code compliance and regulatory approvals
- Technical Specs/ Submittals
- Quality Control/ Quality Assurance
- Material Management
- Root Cause Analysis
- Prequalification approvals of Materials
- OSHA Awareness

Certifications

- **Saudi Council of Engineers®,**
SCE Membership ID : 1112929
- **UAE Civil Defense Registered**
Mechanical Engineer

Profile Summary

- An aspiring Professional with Masters in Engineering, successfully worked in projects like **Arab Marine Academy, Rich Reit Tower, and Vision Tower** in United Arab Emirates. Effectively Possess excellent communication, interpersonal, analytical and problem-solving skills.
- Experience in leading diverse range of Project executions such as **Universities, Schools, Hotels, Clinics and Substations, Malls, High rise towers/Buildings, Infrastructure, Roads, Storm water & Housing projects.**
- FLS (Fire & Life safety) works, Active & Passive life safety works, Municipality & Civil Defense requirements, Site coordination, Project execution, Interim Payment Certificates (IPC's), Variation Orders & Claims, Project Handing over & Closeout works in PMC, Supervision Consultant and Contractor domains.
- Skills in managing the entire gamut of **quality management system** including resolving the problems and updating the same periodically with the actions to be undertaken throughout in line with regulatory needs; understanding of **IRCA QMS ISO 9001 & ISO 45001.**

Notable Accomplishments across the career

- Managed and completed Arab Marine Academy, Sharjah Government project on time and within budget, resulting in revenue of the company
- Awarded by Ministry of Education and Ministry of Interior for handing over Project on time with zero comments in the snag list
- Project Completion & appreciation issued by the client & Main Contractor for the Rich Reit Tower Project
- Recognized by Client for projects delivering outstanding on time

Education

2014: **Masters in Engineering (ME-CAD/CAM)**
Osmania University, Hyderabad, India

2012: **B. Tech Mechanical Engineer Graduate**
Jawaharlal Nehru Technological University, Hyderabad, India

Software's

| Auto Cad | HAP | ESP Calculations | Duct & Pipe Sizer (MCQUAY) |
Firefighting (ELITE) | Microsoft Project |
MS Office | Primavera P6 | Microsoft Share point



Professional Experience

Senior Project Engineer

NAFFCO – Riyadh, Saudi Arabia | March 2024 to Till Date

Projects: King Salman Park KSP CP 02 Tunnels and Bridges, Riyadh, Saudi Arabia

Client: King Salman Park Foundation

Scope: Water Mist System Design, Installation, Testing and Commissioning

Senior MEP Engineer

Eversafe Group – Abu Dhabi, United Arab Emirates | June 2021 to July 2023

Projects: AL Ashfaq, Abu Dhabi, United Arab Emirates

Client: ADNOC

Scope: PMC Consultant with design review and approvals for Contractors Project Execution works

Key Result Areas:

- Reviewing of Design/IFC drawings, specification to ensure that installation and operation confirms to codes, standards & Project Quality plan and construction work procedures.
- Responsible for supervising, directing and coordinating the inspection team. Conduct weekly/Planning Kick off meetings with inspectors and Project Engineer.
- Providing Supervision of inspections for all Internal MEP works & Infrastructure Mechanical works on: HVAC systems (Chilled water system, AHUs, VRF and DX system), Plumbing systems (Drainage, water supply, and rain water systems), Fire Fighting systems (Wet & dry systems, FM200, Fire Extinguishers & Novec system), Pump Stations, Irrigation system, STP & RO Plant System, Mechanical site external/Infrastructure networks, and other mechanical Equipment's.
- Reviewing of mechanical submittals including vendors, shop drawings and mechanical layout drawings, mechanical reports and specifications for compliance with the Contract requirements and design intent and Coordinating with other disciplines during the design stage.
- Ensuring all the MEP deliverables meet as per Standards & International codes such as ASHRAE, SMACNA, IPC, ASME, and NFPA.
- Responding to technical queries (TQ'S) and technical submittals to ensure compliance with design and construction intent.
- Witness Factory Acceptance Tests (FAT) if required by the Client; and witness all relevant acceptance tests required by the Contract / Specifications.
- Assessing & ensuring all types of quality procedures, including MAR, PQP, MST, ITP for each activity going to be executed at site and monitor issued SOR, NCR, CAR and its timely closure.
- Monitoring the EHS guidelines' proper implementation at sites and issuing NCR's if required.
- Conduct regular audits of mechanical work processes to identify areas for improvement and ensure adherence to quality procedures and best practices
- Witnessing the Testing & Commissioning of all MEP Equipment's in coordination with other disciplines.

Senior MEP Engineer

Emirates Group FIREX Dubai - United Arab Emirates | December 2018 – October 2020

Projects Executed:

Project 1: Vision Tower, Ajman, United Arab Emirates

Client: Government of Ajman

Scope: Site Management for MEP & Infrastructure Works

Project 2: Arab Marine Academy, Sharjah, United Arab Emirates

Client: Ministry of Education (MOE) Government of Sharjah, United Arab Emirates

Project 3: Rich Reit Tower, Dubai, United Arab Emirates

Client: Move n Pick Hotel Dubai

Key Result Areas:

- Interprets construction/Design drawings and studies the contract documents and applicable standards or specifications prior to the execution of any jobs.
- Responsible for leading and supervision of all Mechanical related works at site with infrastructure as per approved drawings.
- Delivers infrastructure platform solutions by working as part of the project team when required, to meet consultants' expectations.
- Responsible for submitting WIRs, material approval submittals, QA/QC documents of the complete project, including certificates, calibration, test results, inspection requests, non-compliance reports and site instruction/observations/ materials delivered on Site.
- Material submittals for consultant's/client's approval & Verify shop drawings based on tender drawings.
- Monitor the ongoing installation of Mechanical works as per project specifications SMACNA, ASHRAE, UPC, IPC & NFPA codes and instruct the contractor to make corrections as necessary to improve the finish of installed works.
- Provide complete technical support on the detailed designs of various pipe lines associated with water related projects which include potable water network, fire and irrigation water network, waste water collection systems.
- Monitor the ongoing installation of Infrastructure Mechanical Works: Sewage waste water Treatment Plant, Reverse Osmosis Plant, Lift Stations and Pumping Stations.
- Preparation of Technical Specifications and Material Specifications for the Potable and Non-Potable water, Sewer, Fire Fighting, irrigation pipelines, STP, RO plant and Pumping stations.
- Follow the ITPs, PQP'S, MOS, oversee and witness all testing methods, and maintain high-quality standards for all processes.
- Assessed, prepared bill of quantities (B.O.Q) by referring to the specification.
- Liaison and coordination with all applicable Local Authority Departments to obtain approval on design projects.

Mechanical Engineer

Al Arabia, Sharjah, United Arab Emirates | September 2015– July 2018

Projects Executed:

Emirates Industrial City – Sharjah, United Arab Emirates

Muwailah Residential Towers – Sharjah, United Arab Emirates

Key Result Areas:

- Responsible for the review of mechanical design contents as assigned together with its follow-up for Authority and Client's approval.
- Supervise the installation, testing, and commissioning of mechanical systems, including HVAC, plumbing, fire protection, Water supply, drainage systems, infrastructure works.
- Review and approve contractor submittals, shop drawings, and technical documentation related to mechanical systems.
- Monitor construction progress, identify potential issues, and provide technical solutions to ensure the project stays on schedule and within budget.
- Monitoring and closing of Quality defect notices and Nonconformance reports.
- Conduct regular site inspections to ensure that mechanical Infrastructure & Internal works installations adhere to the approved design and meet the required quality standards.
- Preparing and reviewing Engineering plans, specifications, project schedules, designs.
- Responsible to ensure the correct implementation of the project quality plan and quality procedures and productivity related to all Mechanical works in accordance with the program of work on site. Estimation, Tendering & Preparation of BOQ.
- Heating/ Cooling Load Calculations following Carrier E-20, ASHRAE/ ISHRAE & HAP Software.
- Executed and managed all installation activities of HVAC, Fire Fighting and Plumbing System (Drainage & Water Supply) as per approved shop drawings and specifications in compliance with standards & codes
- Interfaces with suppliers to verify materials received.