

MOHAMMAD THAJUDEEN

Abu Dhabi, UAE

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PROFESSIONAL SYNOPSIS

A dynamic professional with **07 years** of experience as a **Mechanical Construction Engineer** in Oil & Gas Projects.

Piping Construction

Hot tapping & Tie-In

Hydro Testing

Structural Construction

QUALIFICATION:

- **Graduate in B.E/B.Tech (Mechanical Engineering)** from Visvesvaraya Technological University, India with **First class.(2014)** *-(UAE APOSTILLE ATTESTED)*

WORK EXPERIENCE:

- Currently working as a **Mechanical Construction Engineer** in Denholm Yam Contracting Company, Abu Dhabi, UAE from Jan 2020 onwards.



- Worked as a **Mechanical Construction Engineer** in STATS UK LTD. Abu Dhabi, UAE from Feb 2018 to Nov 2019.



- Worked as a **Mechanical Construction Engineer** in Metec Design & Construction, India from Aug 2014 to Dec 2016.



- Worked as a **Project Engineer** in Amnear Engineers, India from Jan 2017 to Dec 2017.



MAJOR PROJECTS:

- ❖ **ADNOC Crude Flexibility Project 2020-21**
Client: Samsung Engineering & Construction
Scope: Piping & Structural Construction
37 Hot tapping & 62 Tie In
- ❖ **ADNOC Ruwais Refinery Expansion Project 2018-2019**
Client: G.S Engineering & Construction
Scope: Hot tapping - 116
Temporary Line Plugging -BISEP®
Non-Intrusive Inline Isolation -Tecno Plug®
- ❖ **Erection of UG Drainage Piping for Contaminated oily water tanks**
EPC for Rich and Lean Gas Segregation
EPC for Pavement & Naphtha purification System for Tanks
CTC Project
Client: RIL-J3 Reliance Industrial Limited

Scope: Underground carbon steel drainage piping for Tanks

❖ **MEP Design & Estimation.**

HVAC design for private hospital, Paripally, Kollam, Kerala

Private Residential buildings, Qatar

BOQ preparation and cost estimation for projects in India and abroad.

MAIN RESPONSIBILITIES:

- Preparation of work procedure, risk assessment, job schedule, method statements for each job of different services.
- Update project schedules and prepare daily reports.
- Create and maintain comprehensive project documentation, plans and reports.
- Coordinating project resources, equipment and information.
- Plan in advance the activities to be carried out; making all resources available, cross-check availability of plant and machinery and ensure that the same is engaged for at least the daily minimum running time.
- Provide operational support for Project Managers.
- Providing technical advice and solving problems on site
- Preparing site reports and filling in other paperwork
- Act as the point of contact and communicate project status to all participants.
- Checking technical designs and drawings to ensure that they are followed correctly.
- Coordinate with technicians/operators/labors for the smooth flow of work.
- Ensures strict implementation of PTW rules at work locations.
- Make sure that client's needs are met as projects evolve.
- Manage Sub contractors & ensure their tasks are completed on time.
- Preparing Notification for inspection & arranging inspection team on site.
- Well aware of ADNOC PTW & WMS system for execution of project safely.
- Preparing the required TRA/JSA including complete work steps,
- Multitasking professional, adept at working in high pressure environments with strict deadlines and multiple deliverables.

Piping & Structural Construction

- Assist to design all technical specifications and to procure and fabricate all materials.
- Coordination with Vendors for timely delivery of all project materials as per specifications.
- Calculating the requirement of consumables like, welding rod, electrodes etc.
- Provide support to all expense projects and maintain accuracy in all piping project and ensure compliance to all piping material specifications and maintain knowledge on all orders.
- Analyze all mechanical designs and prepare various concepts for piping designs and develop required mechanical drawings.
- Inspect all mechanical equipments and analyze all equipments and ensure adherence to all present technology.
- Provide assistance to all senior engineers and recommend improvements to all design and travel to site to analyze all equipment and maintain efficient relation with all plant personnel.
- Organizing materials and ensuring sites are safe and clean.
- Preparing cost estimates and ensuring appropriate materials and tools are available.
- Providing technical advice and suggestions for improvement on particular projects.
- Diagnosing and troubleshooting equipment as required.
- Negotiating with suppliers and vendors to ensure the best contracts.
- Authorizing technical drawings and engineering plans.
- Drawing up work schedules and communicating any adjustments to crew members and clients.
- Completing quality assurance and providing feedback to the team.
- Audits the Permit to Work Procedure and ensure compliance on a daily basis.
- Maintaining appropriate records of equipment allocations, return and replacement.
- Develop new methods to recommend improvements to all activities of piping section.

- Monitor working hours, plans and expenditures.

Hot Tapping & Tie In

- Identification of tie in location using relevant drawings.
- Execution of Split Tee Welding & Pneumatic Test.
- Execution of hot tapping job in a safe manner as per client requirements.
- Field problem solving by coordinating with the team of field technicians.
- Advise the field service teams with Technical Methods and Procedures to be followed each service.
- Analysis & design of Leak Sealing Clamps, Hot Tapping Split tees, Jigs & fixtures for onsite machining services etc. as per applicable Standards.
- Support oversight and site technical assurance of relevant consultants, contractors and vendors involved in the de-oiling and tie-in work scope including making hot taps/ cold taps, line stop installation and removal, pigging and cleaning of pipeline and line fill.
- Support the successful delivery of the pipeline de-oiling and tie-in scope overseeing site works.
- Assist the de-oiling and commissioning manager, senior pipeline engineer and project engineer in reviewing and advising on work packs, deviation requests and other technical submissions.
- Providing pipeline project engineering expertise in support of: construction planning, management of risks of activities pipeline engineering.
- Demonstrate a strong commitment to HSSE including HSSE values and behaviors with a deep understanding of working in a brown field live hydrocarbon environment.
- Active participation in project learning cycle.

Hydro Testing

- Attending punch list walk down prior to Hydro test.
- Preparation of area as per mark up drawings and as built drawings.
- Execution of air blowing and re instatement activities.
- Responsible to understand the threshold values and margin limits for testing.
- Responsible to check the testing setup and testing equipment.
- Responsible to discuss the product details with the manufacturing team
- To decide the testing method to be used.
- To get approval from the Executive Engineer
- To set up teams for module and prototype testing
- To set the MAOP (Maximum Operating Pressure) with respect to the threshold
- Responsible to prepare data sheets of the conducted tests and results
- Responsible to carry both positive and negative tests

Mep Design & Estimation

- Heat Load Calculation & Energy analysis by manually and using HAP software.
- Duct design by manually and using duct design software.
- Static pressure calculation for Ducts.
- Chilled water piping design as per ASHRAE standard.
- Equipment selection based on energy analysis and architectural coordination.
- Ventilation design as per ASHRAE 62.1, 62.2 standards.
- Building exhaust, Kitchen ventilation, Kitchen hood, smoke exhaust, Stairwell pressurization design as per ASHRAE154, NFPA 96, NFPA 92A, NFPA 92B standards.
- Domestic and Industrial water supply design as per BS 6700 standard.
- Domestic and Industrial Drainage design as per BS 8301 standard.
- Firefighting design as per NFPA standards.
- Hydraulic calculations and pump selection based on demand.
- Tender drawing Preparation.
- Quantity takeoff and BOQ preparation for External projects and In-house projects.
- Costing and Cost comparison of various quotations from suppliers.

COMPUTER SKILLS

- Microsoft Office (Word, Excel, PowerPoint, Outlook)
- AutoCAD. –Drafting
- HAP (Hourly Analysis Program) –Heat Load Calculation.
- Plan swift.–Quantity Surveying & Estimation.
- Revit MEP -Drafting
- McQuay Duct sizer.
- McQuay Pipe sizer.

PERSONAL INFORMATION:

Date of Birth	:	07-July-1991
Nationality	:	Indian
Marital Status	:	Unmarried
Languages Known	:	English, Hindi, Urdu, Malayalam, and Arabic
Passport Details	:	No: L7058427 expires on 03rd Feb 2024

DECLARATION:

I hereby declare that, the above statements made by me in this form are correct to the best of my knowledge and belief.

MOHAMMAD THAJUDEEN