

USMAN ZAFAR

Estimation & Construction Manager

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Over 10 years of working experience in the construction industry. Specialist in **HVAC, Firefighting, Drainage & Plumbing Works**. Hand on experience in **Tendering Estimation & Construction Management**. Monitored subcontractor operations and applied effective time, resource and money management strategies to deliver under-budgeted projects. Strong construction background with a Master's degree focused in Mechanical Engineering from University of Engineering and Technology, Taxila

AREAS OF EXPERTISE

- Project Management EPC
- Construction Management
- Stakeholder Management
- Procurement Negotiations
- Leadership & Team Building
- Risk Management
- Contract Management
- Engineer Management
- Program Code Analysis
- Decision Making
- HSSE-Quality Management
- Project Control (Schedule-Cost)
- Earthworks (TBM, SOE)
- Problem Solving
- Infrastructure

PROFESSIONAL EXPERIENCE

SR. MECHANICAL ESTIMATOR & PROPOSAL ENGINEER (REDCO INTERNATIONAL QATAR)

July 2021- Present

- Technically review the **tender document**, prepare a quote based on the client's requirements and submit the bid.
- Participate in **pre-bid, post-bid and tender negotiating meetings**. Negotiate with Vendors/Suppliers for most competitive price, support purchase department for procurement of the same.
- In depth experience in **construction planning/scheduling, cost control and estimation** and keep tracking of submitted tenders regularly.
- Preparation of **costs control and budget allocation, monthly progress claims, and variations/change orders**, reporting and Invoicing knowledge
- Prepared **bill of quantities for tender purposes**; tender preparation and **unit cost build-up**.
- Prepared all payment applications and variations of subcontractors/suppliers. Studies the subcontractors/suppliers' payments and variations'
- Assist in the preparation and issue of O&M manuals. **Monitor and track all PPM services**, in house and subcontractor.
- Prepare documentation for handover to the maintenance team.
- Submission of Weekly/Monthly/quarterly **Budgeted Reports** to the line manager.
- Coordinate with subcontractors to arrange police permission, security access for ppm and reactive services for the client.
- Assist with the control of all financial and commercial aspects of the project.
- Enable **full auditable trails** with, but not limited to **invoices, timesheets, material orders** and goods received notes.
- Undertake general office duties relating to the contract including:
 - Material ordering and administration and subcontractor administration.
 - Contract renewal documentation.

LIST OF PROJECTS HANDLED:

- **S-22 Industrial Area Bus Depot**; Approx. **QAR 329.8 million**; Client- **Public Works Authority (ASHGHAL)** Contractor- **Redco International**; Consultant-**AECOM**
- **S-23 Al Rayyan Bus Depot**; Approx. **QAR 361.8 million**; Client- **Public Works Authority (ASHGHAL)**; Contractor- **Redco International**; Consultant-**AECOM**
- **S-24 Lusail Bus Depot**; Approx. **QAR 497.0 million**; Client- **Public Works Authority (ASHGHAL)**; Contractor- **Redco International**; Consultant-**AECOM**
- **Lusail Marina Plaza**; Approx. **QAR 329.0 million**; Client-**Granada Real Estate Investment Consultant**

- **Erkyah Mixed-Use Building**; Approx. **QAR 484.0 million**; Client- **Al Erkyah for Management & Properties**
- **Gewan Island**; Approx. **QAR 842.0 million**; Client- **United Development Company**; Contractor- **Redco International**
- **New Bugesera International Airport**; Approx. **QAR 1.85 billion**; Client- **Matar Lead Consultant**
- **Sidra Academy**; Approx. **QAR 249.0 million**; Client- **Qatar Foundation**
- **Hotel Apartment**; Approx. **-QAR 170.0 million**; Client- **H.E SH. HAMMAD BIN JASIM BIN JABOR AL-THANI**
- **Hamad International Airport Terminal Building Expansion Project**; Approx. **QAR 547.0 million** Client-**Hamad International Airport**
- **Ras Laffan Petrochemicals Project-Building Works Package**; Approx. **QAR 35.0 million**; Client- **JGC-Technip**

PROJECT MECHANICAL ENGINEER (NAFFCO DUBAI UAE)

Oct 2019-May 2021

- Hands on experience with **NFPA 13** which is an installation standard for buildings or structures require a sprinkler system.
- Familiar with **NFPA 14** which provides requirements for the installation of standpipes and hose systems to ensure that systems will work as intended to deliver adequate and reliable water supplies in a fire emergency
- Extensive experience with **NFPA 16** Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems on sites.
- Carried out Installation of Fire Pumps on different projects while implementing **NFPA 20** Standard for the Installation of Stationary Pumps for Fire Protection.
- Extensive knowledge and familiarity with **NFPA 2001**. This standard contains requirements for total flooding and local application clean agent fire extinguishing systems.
- As a Building Services Engineer provide technical oversight of mechanical systems within assets. That includes assets not managed by third party suppliers.
- Lead the technical review of designs and specification submitted by tenants in relation to assets retained by the client, ensuring client's interest in the assets are protected
- Liaise with contractors and third-party designers as required to coordinate work.
- Oversee and supervise the installation of building systems and specify maintenance and operating procedures.
- Liaise closely with other professionals, including structural engineers, builders, architects and surveyors and in-house project teams.
- Ensure that the design and maintenance of building systems meets legislative and health and safety requirements
- Provide advice on forward maintenance work necessary to protect client's interest in retained assets
- Plan and record the flow of data during project execution through DTS (Document Transmittal Sheet)
- Ensure timely provision of Client documentation in accordance with contractual requirements
- Contractual Compliance and Client management to achieve payment milestone.
- Compile project progress reports in project related subcontractor invoice certifications and financial forecasts.

PROJECTS HANDLED:

- **Proposed 3B+G+24+Roof Mama Shelter Hotel & Hotel Apartments Business Bay**
- **Proposed 2B+G+3P+19 Floors Commercial & Residential Building MAG318**
- **Bloom Heights Residential & Commercial Building GR+4 Podium + 2 Towers (29 & 24 Floors) Project value: 200 million AED with Total Built Up Area 84,487.38 m²**
- **Proposed 2B+G+4P+25 BAYZ by Danube Residential & Commercial Building Project Valued 180 million AED Total Built Up Area 62202 m²**

PROJECT ENGINEER MECHANICAL (REDCO INTERNATIONAL QATAR)

Aug 2016– October 2019

Manage and oversee a large MEP Team of 400 people for the installation, testing, commissioning, and facility maintenance of the following equipment according to design and project standards.

- Ensured and emphasize during each phase of installation that every activity will go as per planned mile stone and the same information will be propagated to individual person on site
- Act as a bridge between design and construction team to understand **Revit Mep** and **Aecosim Building Designer Connect Edition Modeling techniques** at design stage and implement the same after eliminating errors in design
- Design Review & Coordination for shop drawings approvals
- Make sure that the installation followed by international standards (**NFPA, IPC for Plumbing, SMACNA & ASHRAE** for HVAC).

- Operation & Maintenance **Chilled Water Plant Room, Fire Pump Room, Potable Pump Room, AHU, ERU, FCU, CRAC Units, & Dx Units.**
- Operations and maintenance of **pumping systems, air-compressors, air-dryers, vacuum pumps, heat exchangers, pressurization systems, water filtration systems, water tanks, grease recovery system,** mechanical and electrical hoists and fire systems such as sprinklers, hose reels, detection systems, **pre-action sprinklers and FM200.**
- To ensure and maintain health and safety culture at the work site and managing & submitting work progress status and monthly progress reports to contractor & client.
- Reviews and updates the policies and procedures documentation as appropriate, reviews method statements and conducts risk assessments for maintenance work and various projects.
- Conducts building inspections and provides recommendations for remedial actions, to ensure that the building fabric and the MEP services function effectively.

PROJECTS HANDLED:

- **Education City Station-Green Line Underground-Doha Metro;** Approx. **120 million QAR** Mep Works
- **Qatar National Library Underground Station-Doha Metro;** Approx. **90 million QAR** Mep Works
- **Al-Riffa to Al-Mansoura 36 Kilometers Underground Mep Tunnel Works** Approx. **190 QAR** million Mep Works

MECHANICAL ENGINEER (NSETS, PAKISTAN)

July 2012 – August 2016

Optimize the following projects' site management, project management, installation of fire suppression and detection systems, plumbing work, and HVAC work.

- **Proposed 3B+G+8 Commercial Shopping Mall;** Safa Gold Mall, 34000 Sq. Feet Per Floor Covered Area
- **Proposed 3B+G+29+2 Towers Grand Hyatt Hotel & Hotel Apartments;** Islamabad

EDUCATION

- **Masters of Science in Mechanical Engineering** UET TAXILA, 2016
CGPA 3.5/4.00

The research conducted during my thesis was published in Elsevier as "An Overview of Implemented Renewable Energy Policy in Pakistan", where I was corresponding lead researcher & author. Link to my research paper is <http://dx.doi.org/10.1016/j.rser.2017.09.034>

- **Bachelors of Science in Mechanical Engineering** MUST, 2012
CGPA 3.19/4.00

The research conducted during my thesis was published in Journal of Engineering & Applied Sciences as "A Review on Dynamic Analysis of Pelton Wheel Turbine in Pakistan", where I was corresponding lead researcher & author. Link to my research paper is <http://dx.doi.org/10.1016/j.rser.2013.07.0786>

TRAINING AND CERTIFICATIONS

- Level 2 Award in Health and Safety in the Workplace by Chartered Institute of Environmental Health (Qatar)
- Level 2 Award in Fire Safety Principles (QCF) by Chartered Institute of Environmental Health (Qatar)
- Level 2 Award in Emergency First Aid at Work (QCF) by Chartered Institute of Environmental Health (Qatar)
- Training Certificate on Lock Out Tag Out (Testing and Certification) by Austen Projects Solutions W.L.L Qatar
- Training Course of Operation & Maintenance for End Suction Type Chilled Water Pumps by Faisal Jassim Trading Company LLC (Qatar) 2019
- Training Course of Operation and Maintenance for Chilled Water Chemical Dosing and Sand Filtration System by Culligan Gulf LLC (Qatar) 2019
- Training Course of Operation and Maintenance for Pressurization Unit by Faisal Jassim Trading Company LLC (Qatar) 2019
- Training Course of Operation & Maintenance for Plate Type Heat Exchanger by Faisal Jassim Trading Company LLC (Qatar) 2019
- Training Course of Operation & Maintenance for Electric Fire Pumps by Vijay Arabia Fire & Security Systems WLL (Qatar) 2019
- Training Course of Operation & Maintenance for Air Handling Units by Mannai Corporation QPSC (Qatar) 2019
- Training Course of Operation & Maintenance for Fan Coil Units by Mannai Corporation QPSC (Qatar) 2019