**APPLIED FOR – HVAC** Project Engineer

**CAREER OBJECTIVE**

**Having 6 years,** of experience **as a**  dependable **Mechanical Engineer (HVAC,Plumbing,Fire Fighting)**, **+4 years overseas experiences** to work with multicultural work force, successful records of working on small/large projects (Multi millions) with an excellent record and corporate customer satisfaction.

**PROJECT EXPERIENCE**:

* Chiller Plant
* Utility, Pipeline
* Office, Hospitals, Hotels, Residential Apartments
* Electro Mechanical system – HVAC-R, Plumbing, Fire Fighting

Air Distribution System, Cooling and Heating Plant, Material Selection, Quality Control, Method Statements, Reviewing shop drawing, MEP Inspection, Testing and Controlled technical execution of project, Preparing technical submittal.

**CARREER BREIF**

**KING ABDUL AZIZ MILITARY ACADEMY**

(MODA-Ministry of Defense & Aviation)

(**RIYADH-KSA)**

**FEBRUARY-2015 TO TILL DATE**

**Company profile**: [www.moda.gov.sa](http://www.moda.gov.sa/) **Division**: (Project Division-Mechanical)

PROJECT ENGAGED:

* **Replacement of 2 York Chiller Units, Capacity 3600 ton each-**Ongoing
* **VIPs Building & KAMA Park (MEP Services)-**Completed
* **Military Firing range Project (MEP Services)**-Completed
* Installation of Chiller’s Units both working Stand-By
* Installation of AHUs’, FCUs’, FAHUs’ & various diffusers, Grilles, VRV/VRF units
* Installation of Exhaust Fan, Pressure Relief Damper
* Execution of ducting, Piping, installation and commissioning of Air washer, Splits and Package A/C units
* Review of material submittal and various related documents

**Al-TURKI ENTERPRISES LLC**

**(MUSCAT-OMAN)**

**JUNE 2012 TO DEC 2014**

**Company profile**: [www.alturki.com](http://www.alturki.com/) **Division-** Engineering & Construction

PROJECT ENGAGED:

* **As HVAC Engineer**
* **Project Name:** PDO Amal Office Building, Built up area 4,000 SQMT, 150million O.R project (Estimated, Designed & Installed)
* **Project Name:** Al Hayat International Hospital
* **Project Name:** Villas and Apartment in Wave Muscat Project.
* Installation of 36 AHU’S, with New FAN WALL Technology having Redundancy motor and VFD for low current and variable Speeds
* Installation of 144 No. of FCU wit there piping and accessories Installation of AHUs’, FCUs’, FAHUs’ & various diffusers, Grilles, VRV/VRF units
* Installation of complete constant air volume ducting system having CVS, CVR, CVE, VAV& Re-Heater
* Review of material submittal and various related documents
* Engineering Technical assistance in procurement, supervision in construction and commissioning of all HVAC system of approx. 2000 Refrigeration Tons capacity consisting of air cooled screw chillers, Dx-coil, package units, ducted splits units, ventilation fans & GRV’s.

**MAX COOL SOLUTIONS PVT LTD**

**(MUMBAI-INDIA)**

**MAY 2011 TO JUNE 2012**

**Company profile**: [www.maxcoolhvac.com](http://www.maxcoolhvac.com/) **Division-** Engineering & Construction

PROJECT ENGAGED:

* Preparation of work site according to isometric drawing and present condition.
* Tuli International School Ductable-Split, Hi-Wall, Window A/C 11TR(8nos), 8.5TR(24nos), 5.5TR(26nos), 1.5TR(12nos), 1TR(15nos).
* JNPT Head Office, WTC, Mumbai 80TR Ductable-Split, 300\*4TR Chiller(Only ducting Work)
* Standard Chartered Bank, BKC, Mumbai VRV 18HP\*2, 300\*4 TR Chiller (Only Ducting work)

**ROLE INPUTS**:

* Achieve zero defects in our own work and that of subcontractors
* Attract and retain the best engineering staff
* Create a working environment that recognizes and develops engineering talent
* Eliminate waste
* Identify and manage risk
* Earn a reputation for innovative engineering expertise and excellence
* Target and deliver engineering excellence in safety

**DUTIES & RESPOSIBILITIES HANDLED**:

* **Cooling Load Calculations:** Cooling load calculation by manual method, E-form & latest HVAC software, TR calculation & air distribution to various branches of duct.
* **Ducting:** Air volume calculation, Air distribution, Duct design, following SMACNA & DW142 & DW144 codes, Selection of diffusers/Grills, Selection of AHU/FCU after static pressure calculation, Preparation and drafting of Duct Drawings, Commissioning of Duct for air balancing, Duct size calculation by duct sizing method/Equal friction method, Calculation of no. of G.I. Sheets & gauge required, smoke testing, halogen testing, Calculation of amount of Insulation material, acoustic material, sheets and other accessories required, Proper planning of the ducting work on the site.
* **Chilled Water Systems (Central Plants):** Handled Project of chilled water system effectively. Selection of Fan Coil Units, Air handling units, Chillers, Chilled water pumps with pump head calculations, Chilled water piping designs with complete valves& fittings, standard connections of FCU, AHU, Pumps & Chillers. Preparation of riser diagram for High rise buildings. Preparation of B.O.Q., Commissioning of Chilled water systems.
* **GPM calculations and Distribution of chilled water** to various FCU & AHU through chilled water pipes.
* **Pump Head Calculations** for the selection of chiller pumps by considering complete chilled water supply& return pipe length and all the fitting equivalent length (Bends, tees, Reducers, DRV, NRV, Strainer, F.C, I.V etc.)

**KEY RESPOSIBILITIES HANDLED**:

* Checking of drawings/ specifications
* Resolve any technical queries during the contract
* Interpret the requirements of the specification and the drawings
* Monitor progress and quality
* Manage the productivity of the labor resource
* Understand technical content of the specification and drawings
* Early Identification and resolution of non conformance
* Technical input when required into services, products and subcontractors
* Ensure all technical information is available when required for the delivery of design and/or construction
* Implementing engineering systems, documentation and controls by compliance with Health & Safety legislation, Company and industry standards
* Effective communication of technical issues between project management, and other functions/support services within the project team
* Application of engineering principles in the preparation of calculations/drawings/sketches and resolution of engineering challenges within specific knowledge areas.
  + **Manage resources**
  + **Cost Control**
  + **Communication and relationships**
  + **Quality Control**
  + **Reporting**

**SKILLS:**

* Technical Knowledge
* Ability to identify additional and varied work
* Ability to interpret engineering information
* Ability to undertake preparation of claims
* Knowledge and understanding of contracts, contract documentation and reporting
* Knowledge and understanding of subcontractor selection
* Knowledge of installation techniques
* Knowledge and understanding of site administration
* Knowledge of construction methods and technology
* Knowledge of estimating techniques
* Knowledge of MEP procedures
* Knowledge of planning techniques
* Knowledge of quality systems and management
* Knowledge of standards ,specifications and drawings
* Software skills: CAD , Word, Excel spreadsheet
* Knowledge and understanding of Health & Safety legislation pertaining to own role
* Knowledge of Quantity Surveyor’s needs
* Knowledge of building / construction Procedure
* Understanding of planning techniques  
   **PROFESSIONAL QUALIFICATION**
* **B.E** IN MECHANICAL ENGINEERING (NAGPUR UNIVERSITY-NAGPUR-INDIA)
* **PRIMEVERA P6**
* **Auto CAD 2014**, **MS-OFFICE.**

**PERSSONEL DETAILS**

**FATHER NAME:** MAMDULLAH KHAN

**DATE OF BIRTH:** 28/02/1990

**CIVIL STATUS:** SINGLE

**GENDER**: MALE

**NATIONALITY**: INDIAN

**LANGUAGE:** ARABIC, ENGLISH, URDU, HINDI

**VISA STATUS:** WORK VISA

**KSA DRIVING LICENSE**: 04003502808938 (**Expired on dated 25th july 2020)**

**PASSPORT DETAILS**: DATE OF ISSUE - : 14th Dec 2011

DATE OF EXPIRY-: 13th Dec 2021

**Thanking you with best Regards’**

End.