

MOHAMMAD WASIM KHAN

Phone no: 00966-576639698(KSA)

Email: wasimkhan028@yahoo.com

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.

CAREER BREIF

KING ABDUL AZIZ MILITARY ACADEMY

(MODA-Ministry of Defense & Aviation)

(RIYADH-KSA)

FEBRUARY-2015 TO TILL DATE

Company profile: 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

AI-TURKI ENTERPRISES LLC

(MUSCAT-OMAN)

JUNE 2012 TO DEC 2014

Company profile: 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.
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MAX COOL SOLUTIONS PVT LTD (MUMBAI-INDIA)

MAY 2011 TO JUNE 2012

Company profile: 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 & RESPONSIBILITIES 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 RESPONSIBILITIES 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.

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- **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.

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