



MOHAMMAD RAEES KHAN

MECHANICAL ENGINEER

Experience

15+
Years



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+92-3455922384 Pakistan



Jazan, Saudi Arabia








raeeskhanengr@yahoo.com

PERSONAL INFORMATION

Age: 35 Years , Married
Nationality: Pakistani
Present Employer: ACC
Present Location: Jazan, Saudi Arabia
Driving Licence: KSA & Pakistan
Languages: Pashto, Urdu,
English & Arabic

SKILLS

Communication 
Creativity 
Teamwork 
Organizational 
Leadership 
Team player 

COMPUTER SOFTWARES

- ◆ Auto CAD
- ◆ TRACE LOAD 700 (HVAC Cooling Load Calculation) USA
- ◆ Pipe Syzer by Bill & Goset USA
- ◆ Ducting design by Mc-quey Malaysia

HOBBY

- ◆ Travelling
- ◆ Reading
- ◆ Swimming
- ◆ Social Work



PROFILE

Detail-oriented Mechanical Engineer with 15 years expertise in Design & Execution of Mechanical Systems (Design & Execution HVAC System & execution of Plumbing, Fire Fighting and Elevators) inside buildings and external. I got training from **WEISS GERMANY** for design of Mediclean Hygienic HVAC System and I have designed & commissioned various projects (Hospitals, clean rooms, ICU and Operation Theaters). I also got training from **ALP ITALY** for selection & fabrication of pre-insulated ducting system and have worked as Manager Sales & Technical Services for promotion and Technical support of this products, and in short span of time the products specified, enlisted and Installed at various projects.

To improve my skill also have attended various workshops organized by **ASHRAE USA & PHVACR PAKISTAN**. I have membership of **SAUDI COUNCIL OF ENGINEERS** as Engineer.



EDUCATION

2011 to 2015 (04 Years Degree)

Preston University, Islamabad
Bachelor of Technology in Mechanical Technology (B. Tech)
Achieved 3.4/04 GPA

2002 to 2005 (03 Years Diploma) DAE

Govt. Polytechnic Institute, Swabi in Refrigeration & Air- conditioning Technology



AWARDS/ CERTIFICATES

- ◆ Awarded as Chairman Young Engineers by ASHRAE USA & Northern Chapter Pakistan
- ◆ 1st. Position in Ref & Air Conditioning Technology
- ◆ 1st. Position Merit Certificate from Technical Board, Peshawar
- ◆ Awarded by Safety Manager as safety man of the month for safe working environment.



MEMBERSHIP

- ◆ Saudi Council of Engineers as Engineer (membership # 80553)
- ◆ Training for PMP from PMI certified Trainer
- ◆ Member ASHRAE, USA
- ◆ Pakistan HVACR Society, Islamabad



TRAINING

- ◆ PMP Training in Progress
- ◆ Drawing Drafting organized by Pakistan Engineering Council & ASHRAE USA
- ◆ Fabrication of Pre-Insulated Ducting ALP Italy
- ◆ Design for Hygienic HVAC System by Weiss Germany
- ◆ Screw Type Chiller by PHVACR Society
- ◆ Direct Fired Absorption System by PHVACR Society ASHRAE USA



TECHNICAL PARTICIPATION

- ◆ PHVACR International Exhibitions & Conferences 2007 to 2017 (Karachi, Lahore & Islamabad)
- ◆ Pharma Asia International Exhibitions & Conferences Karachi



EXPERIENCE

- ♦ **ARABIAN CONSTRUCTION COMPANY, SAUDI ARABIA** **JAN 2018 TO TILL**
MECHANICAL ENGINEER
- ♦ **FAUJI FERTILIZER BIN QASIM LIMITED, PAKISTAN** **AUG 2012 - MARCH, 2017**
MECHANICAL ENGINEER
- ♦ **ASIAN TRADING & SERVICES, PAKISTAN,** **SEP 2009 - JULY, 2012**
MANAGER SALES & TECHNICAL SERVICES
- ♦ **MEZAN ENGINEERS HVAC & MECHANICAL CONSULTANTS** **FEB 2006 - AUG, 2009**
DESIGN ENGINEER HVAC
- ♦ **SHIFA INTERNATIONAL HOSPITAL, ISLAMABAD PAKISTAN** **AUG 2005 - JAN 2006**
SUPERVISOR HVAC



ARABIAN CONSTRUCTION COMPANY, SAUDI ARABIA

Project: Ministry of Interior Housing Complex Jizan KSA(ACC JV El-Seif Engineering)

This project is compound of Apartments, Villas, Swimming Pools, Schools, Sports Club, Shopping Mall, Clinic, Fuel Station, Administration Block, Warehouse, Gymnasium, Workshops etc.

RESPONSIBILITIES:

- ♦ Supervision of HVAC System, Plumbing & Fire Fighting Services Internal & external (Infra).
- ♦ Ensures that all the works done are in accordance with the approved construction drawings, contract documents, project specifications, and all applicable standards whether local, national or international standards.
- ♦ Co-ordination with client Engineers, Consultants for the approval of drawings and Proceed the work done at site.
- ♦ Coordination, supervising to Team & surveyors to required Job at site.
- ♦ Estimates, prepares and assigns the resources such as manpower, materials, consumables, equipment, tools, etc., required for all Mechanical and related works prior to execution.
- ♦ Submits site daily reports, inspection requests, estimates and all applicable monitoring reports on regular basis or as required. Able to lead site personnel to execute and completion of job on time at site
- ♦ Ensures that all site works are done according to all applicable quality standards.
- ♦ Checking the executed work of Sub-contractors
- ♦ Supports the MEP Manager in accomplishing all the goals and targets for the Mechanical and electrical groups at site.
- ♦ To collaborate with cost control and planning department in preparing the daily progress reports.
- ♦ Coordinate with Supervisor, Foreman & Lead-man to install / Erection the system at site to Progress the work.
- ♦ Manage the Quality Control & Quality Inspection and Testing.
- ♦ Manage safety at site and ensure Compliance to Health & Safety Standards.



FAUJI FERTILIZER BIN QASIM LIMITED, PAKISTAN

PROJECT: HEAD OFFICE BUILDING, ISLAMABAD

FFBL is group of companies of Fauji Fertilizer Bin Qasim Limited, Fauji Meat, Fauji Foods, Fauji Dairy, Askari Bank etc. FFBL is the largest fertilizer company in Pakistan.

RESPONSIBILITIES:

- ◆ Co-ordination with Project Consultant & Designer.
- ◆ Review of assessment, detailed evaluation, and measurement and verification design reports for HVAC, Firefighting, and Plumbing works.
- ◆ Review of Construction Drawings
- ◆ Instruction to draftsman for Shop Drawings
- ◆ Verification of running bill
- ◆ Assists in the preparation of capital and operations budgets works in process to insure its completion within allotted time limits and for acceptable quality standards.
- ◆ Drafting, writing commissioning Instructions for installation of HVAC, Plumbing, Fire Fighting and Elevator systems.
- ◆ Coordinate with contractor for onsite problems related to design, installation of HVAC, Plumbing, Fire Fighting and Elevator systems
- ◆ Perform energy savings and cost analyses for energy efficiency and demand response measures for the buildings.
- ◆ Follow-up for Approvals of Shop drawings and Materials Submittal.
- ◆ Meeting with seniors and Civil & Electrical Engineer about onsite issues.



ASIAN TRADING & SERVICES, ISLAMABAD, PAKISTAN

Asian Trading is the sole distributor of ALP Pre-Insulated Ducting system Italy. ATS is sister concern company of Pak Gulf Construction Pvt. Ltd. PGCL is the leading client of one the most high-rised Tower The Centaurus. I was responsible for Marketing, Sales & Technical Services of HVAC ALP Pre-Insulated Ducting System. In a short span of time the products were specified and enlisted in recommended manufacturer list by the well known HVAC consultants of Pakistan and we have secured and completed below projects.

RESPONSIBILITIES

- ◆ Sales & Marketing of Alp Pre-Insulated Ducting System
- ◆ Visit to Design Consultant and Client
- ◆ Follow-up ongoing and incoming projects
- ◆ Participation in Exhibition and seminars to promote our product
- ◆ Material Purchase and stock inventory
- ◆ Training to Duct Site Engineer, Foreman Duct Fabricators & Installers
- ◆ Review & Evaluation of Drawings
- ◆ Submission of Proposed Drawings in case of any modification, conflict with other services.
- ◆ Preparing of Shop System of Alfath-e -Shopping Mall, The Centurus, Islamabad
- ◆ HVAC & Fire System drawings for Approval to Project Consultant
- ◆ Design of Ducting System
- ◆ Manage the Quality Control & Quality of Ducting System as per recommended Standards.

DESIGNED PROJECTS

- ◆ HVAC & Fire Nelson Pharmacy, The Centurus, Islamabad
- ◆ HVAC & Fire System Italian Restaurant, The Centaurus
- ◆ HVAC & Fire System No 221, The Centurus, Islamabad
- ◆ HVAC & Fire System Diamond City, The Centurus, Islamabad
- ◆ HVAC & Fire System Baluchistan Dry fruit, World Trade Center, Islamabad

- ◆ HVAC System Kanas Ketchup Factory, Islamabad
- ◆ Tehzeeb Bakers kitchen, Rawalpindi
- ◆ HVAC & Fire System Sana Safinaz Outlet, World Trade Center
- ◆ Chiniot Palace Faisalabad
- ◆ Rotex Pharmaceutical Pakistan (Pvt.) Ltd;

◆ **DUCT INSTALLATION COMPLETED PROJECTS**

- ◆ THE CENTURUS (Shopping Mall & Seven Star Hotel) Islamabad
- ◆ 16 x Operation Theaters Complex at Combined Military Hospital, Rawalpindi (
- ◆ Ammar Hospital, Lahore
- ◆ Alwaha Food Industry, Lahore
- ◆ Kalsoom International Hospital, Islamabad
- ◆ Sind Institute of Urology, Karachi
- ◆ Kmint Pharmaceutical, Peshawar
- ◆ National University of Science & Technology (NUST), Islamabad
- ◆ OT'S Complex, CMH, Rawalpindi (Number of largest OT Complex of Pakistan)
- ◆ Forensics Lab, CMH, Rawalpindi
- ◆ Shibli Electronics, Islamabad
- ◆ Mall of Lylpur, Faisalabad
- ◆ Cath Lab Shifa International Hospital, Islamabad
- ◆ Crescent Bahaman, Lahore



MEZAN ENGINEERS HVAC & MECHANICAL CONSULTANTS, ISLAMABAD PAKISTAN

Mezan Engineers is one of the famous HVAC & Mechanical Consultancy firm in Pakistan.

RESPONSIBILITIES

- ◆ Site Visit (Top supervision on projects)
- ◆ Preparation for Proposals
- ◆ Meeting with client and engineering Team
- ◆ Cooling/ Heating Load Calculation
- ◆ Drafting of Drawings on Auto CAD Working
- ◆ Equipment Selection & Duct Design
- ◆ Bill of Quantity (B.O.Q) Preparation
- ◆ Technical Specifications for HVAC Equipment's

LIST OF MY DESIGNED PROJECTS

* **PHARMACEUTICALS**

- ◆ Medimax Pharmaceutical, Peshawar
- ◆ Fozan Pharmaceutical, Peshawar
- ◆ Scotmann Pharmaceutical, Islamabad
- ◆ Wilson's Pharmaceutical, Islamabad
- ◆ Aries Pharmaceutical, Peshawar
- ◆ Ninza Pharmaceutical, Peshawar
- ◆ Shaheen Pharmaceutical, Swat
- ◆ Innvotek Pharmaceutical, Islamabad

◆ **GATEWAYS**

- ◆ Telenor Media Gateway Multan City
- ◆ Telenor Media Gateway, Mardan City
- ◆ Telenor Media Gateway, Jhelum City
- ◆ Telenor Media Gateway, Bahawalpur City
- ◆ Telenor Media Gateway, Islamabad City

HOSPITALS

- ◆ Ground Floor of Dar-UI-Shifa Trust Hospital, Faisalabad
- ◆ F-1 Block of Shifa International Hospital, Islamabad
- ◆ Re-design of chilled water system PIMS, Islamabad
- ◆ Re-design of Block –E, 1st. Floor, Shifa International
- ◆ Conceptual Design of Mayo Hospital, Lahore
- ◆ HVAC design of 4th Floor Mayo Hospital, Lahore
- ◆ Bone Marrow Transplant Centre, SIH Islamabad
- ◆ E Block, Shifa International Hospital,
- ◆ Design of Sheikh Zayed Hospital Lahore
- ◆ Major Operation Theater, Shifa international Hospital,
- ◆ Dental Clinic, Shifa International Hospital, Islamabad
- ◆ Preliminary HVAC Design of Burn Care Centre, Allied Hospital, Faisalabad
- ◆ HVAC system design for OT Nishter Hospital, Multan
- ◆ HVAC system design for OT DHQ Hospital, Rawalpindi
- ◆ HVAC system design for OT & ICUS Bahawal Victoria Hospital
- ◆ HVAC design for OT & ICUS, Wapda Hospital, Lahore
- ◆ HVAC system design for OT Al-Razi Hospital Lahore

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SPORTS COMPLEX

- ◆ Rodham Gymnasium, Pakistan Sports Board, Islamabad
- ◆ Design of Boxing Hall, Sport Complex

COMMERCIAL BUILDING

- ◆ Cherat Cement Factory Office Area, Peshawar
- ◆ Mezzanine Floor of DHA Overseas Sector Islamabad
- ◆ Office Block Willayat Homes, Scheme III, Rawalpindi



SHIFA INTERNATIONAL HOSPITAL, ISLAMABAD PAKISTAN

RESPONSIBILITIES

- ◆ Supervision of execution of HVAC Ducting System, AHU, Chiller, FCU & Piping System
- ◆ Assistance during inspection of executed work
- ◆ Estimates, prepares and assigns the resources such as manpower, materials, consumables, equipment, tools, etc., required for all Mechanical and related works prior to execution.
- ◆ Ensures that all site works are done according to all applicable quality standards.
- ◆ Ensures that all the works done are in accordance with the approved construction drawings, contract documents, project specifications, and all applicable standards whether local, national or international standards.
- ◆ Coordination, supervising to Team & surveyors to required Job at site.
- ◆ Manage the Quality Control & Quality Inspection and Testing.

COMPLETED AREA:

- ◆ Dental Ward, OT, New Emergency
- ◆ ICU Wards, Shifa Foundation Clinic, Data Center