

The HR Manager

Dear Sir,

Subject: Application for the Post of "Senior Mechanical Engineer /Technical Mechanical (Design & Material) Engineer "

With more than 18+ years of performance-based experience, I offer well honed, proven abilities in Electro-Mechanical field with a successful track record.

I am a driven and focused individual who knows how to set goals and work to achieve them. I am capable of handling and directing the Mechanical activities. I am well trained and also able to do planning, coordination, supervise, and maintain Administrative and Technical responsibility for the Mechanical Department. Apart from my qualification and Mechanical Engineering experience in Pakistan, I have Gulf working experience at Saudi Binladin Group, ABV Rock Group & First Fix KSA / MBL in Kingdom of Saudi Arabia.

Details of my background and contributions are documented in the enclosed Curriculum Vitae, and it is with complete confidence that I present myself as a fulfilling candidate for your company's professional needs.

Thank you for your precious time and kind consideration. I will be looking forward to hearing from you.

Sincerely,

Muhammad Adnan Ajmal

Cell # +966 56 9251662

mechengr.adnan@hotmail.com

MUHAMMAD ADNAN AJMAL

Mechanical Engineer-(PMP)[®]

Saudi Council of Eng Credential ID: 533858

Pak Eng Credential ID: Tech/Mechanical/00135

Certified Fire Protection Specialist - CFPS[®]: 1197924-CFPS

Date of Birth: 11 Nov 1985

Gender: Male

Nationality: Pakistani

Visa Status: Family

Driving License: KSA, PAK

Passport Number: AG1553902

Iqama: Transferable

Religion: Islam

Member of Pakistan HVACR Society: 042-3-1379

Email Address: mechengr.adnan@hotmail.com

Address: Al Naseem Riyadh, KSA

Mobile #: + 966569251662

CARRIER OBJECTIVE

Position Sought: Building Services / Mechanical Engineer (Technical Mechanical Design & Material Engineer)

A professional Mechanical Engineer with more than 18 years of diverse experience in the field of building services, Quality Control, Cost Reduction, Installation and Commissioning in different originations.

Seeking a position to implement acquired experience in the light of thermodynamic laws in line with other mechanical engineering pillars like fluids and solid mechanics, dynamics & controls to develop energy efficient buildings because the coming decade is going to be the decade of energy.

EDUCATION

Bachelor of Technology (Hons.) in Mechanical Engineering

University of Engineering & Technology Lahore

Diploma of Associate Engineer in Mechanical (Refrigeration and Air conditioning Technology)

Punjab Board of Technical Education, Lahore

Matriculation

Board of Intermediate & Secondary Education Lahore

ENGINEERING PROJECTS

- Final Year Project (Bachelor of Technology) HVAC Designing of Formegia pharmaceutical company Ltd Lahore, Pakistan.
- Final Term Project (Diploma): Auto Cad Drawings, Load Calculation & Ducting, Piping of MAGA TOWER Lahore, Pakistan.

PROFESSIONAL EXPERIENCE

Date: 26 June 2022 - Current

Position in Company: Technical Engineer - Mechanical

Company Name:  First Fix-KSA

Consultancy Name: Parson , DAR , JLL ,HESCO , Saudi Diyar, Saudi Consultant Services Co , Ghafari

Clients: CPPA, KAFD, The Red Sea Development company, CEER

Location: Riyadh, Red Sea Shura Island, Jeddah (king Abdullah Economic city) Saudi Arabia.


Project Name: DYRSO1, DYRSO2, B05 Diriyah farm, Lo1 Riyadh, KAFD (king Abdulla finical district), Shura Island – West Hotel 2, CEER Automotive Project, ADF Rosa Project- Prince palace, UAE royal complex

Demonstrated Skills & Abilities:

- Plan to manage and review the project design & development, engineering function and changes adherence to project requirement to ensure successful completion.
- Review and support during project phase by design, preparing Mechanical shop drawings & coordination drawings, calculation (Duct static pressure losses, Pump head losses & hydraulic calculation losses) documentation and reporting, materials submittal in compliance with the project document (specification, B.O.Q, design drawings), provide production and commercial support to specialist (supplier) and procurement department.
- Prepare Sequence of control to coordinate with other trade like BMS, Scada & FLS system.
- Conduct engineering value in complied with contract component to reduce cost for installation and commissioning support.
- Conduct internal analysis and testing for on-going installation and inspection are aligned with project requirements.
- Conduct quality assurance training and mentorship for the staff regarding all Mechanical systems for continuous improvement and innovation.
- Coordinate with consultant and client representative for all engineering progress activates and assignment /handover.

Date: Sep 5, 2020 - 20 June 2022

Position in Company: Site Manager

Company Name:  Tamkeen international Co / (ABV Rock Group LTD)

Consultancy Name:  US Army Corps of Engineering Middle Est District

Clients: Royal Saudi Land Forces Aviation Command (RSLFAC Aviation)

Location: 3 Base Expansion 447307 Khamis Mushait, Saudi Arabia

Building Name: Aircraft Maintenance Hangar Building, Warehouse Building, GSE Building, Simulator Building & Infrastructure

Demonstrated Skills & Abilities.

- Coordinated with various authorities – US Army corps, Civil Defense, SEC & KSA Municipality for site inspections and obtaining approvals.
- Prepared program of works for MEP scope aligned to the main contractor's program.
- Planned resources including materials & manpower to achieve project milestones.
- Coordinated the on-time submission & approval of material submittals, builder's work drawings, shop drawings & reflected ceiling plans.
- Monitored work at site and assured progress and compliance with quality & safety standards.
- Submitted monthly payment & variation requests based on site progress.
- Managed correspondence with the main contractor and participated in meetings with client & main contractor to review progress and resolve technical & site issues.
- Conducted thorough review of HVAC design drawings and obtained clarifications from the

- consultant by issuing RFIs.
- Executed all required calculations like pump heads, pump inertia base, ESP, air balancing & pressurization. Selected chilled water valves, FCUs & FAHUs.
 - Prepared shop drawings for HVAC, plumbing & firefighting systems, coordination drawings based on reflected ceiling plans and builders work drawings in coordination with the structural engineer.
 - Prepared material submittals for chillers, pumps, AHUs, fans, ducting & piping and plumbing & firefighting works.
 - Prepared method statements for various MEP jobs as per project requirements.
 - Prepared O&M manuals and organized end user training for all mechanical systems and equipment.
 - Ensured fixing of fire stop materials as per HILTI standards approved by Civil Defense.
 - Prepared & issued checklists to site engineers ensuring adherence to specifications & method statements and enable trouble free execution of quality jobs.
 - Coordinated with the district cooling company (Empower) for installing the chilled water energy transfer station.
 - Coordinated with quantity surveyors for measurements of progress of work and preparing monthly payment/variation requests.
 - Supervised testing & commissioning of systems and followed up rectification of punch points through troubleshooting.
 - Worked as an Estimation Engineer for tendering for MEP jobs – Prepared material take-offs, obtained quotations from suppliers and produced priced BOQs and man-hour forecasts.

Date: June 25, 2014 – Aug 4, 2020 (**Project 02**)

Position in Company: Project Mechanical Engineer (HVAC/ Plumbing/Fire Fighting/LPG/Compressed Air/Conveying system & infrastructure)

Company Name:  SBG

Consultancy Name:  General Authority of Civil Aviation (GACA)

Clients: General Authority of Civil Aviation, Saudi Arabia (GACA)

Location: King Abdul-Aziz International Airport, Jeddah (KAIA)

Building Name: Passenger Terminal Building, Boarding Bridges, Node Building (Zone **B, C, D, E, F, G & H**)

Demonstrated Skills & Abilities.

- To coordinate for fabrication & insulation of ducting, installation through the drawing on site including identification tags and arrows and leak testing as per SMACNA standards.
- Technically supports the installation of VAV, CV, Cross Talk, VCD, Fire Smoke Dampers (Manual & Motorized), multiple types of louvers including Exhaust louvers, F/A louvers, Sand trap louvers as per approved method of statement and ASHREA standards.
- Installation of multiple types of fans including Exhaust fan, Pressurization fan and ventilation fan.
- Assessed the installation of final location for Air distribution system (diffusers, grills) and life safety equipment (sprinklers) through the ID drawings and coordination with interior designers.
- Technically support for installation of different types of firefighting systems including Pre-Action System, Wet System, and Deluge System.
- Technically support for installation of piping, Hydro test & flushing for chilled water and firefighting system with seismic support, rigid and thrust support.
- Conduct the chilled water hook up connections for AHUs, FCU, CRAC Unit, F/A Units.
- Supervised the plumbing work including Hot and Cold-water supply, Drainage system

Location: Lahore Pakistan

Demonstrated Skills & Abilities.

- Air balancing of Nishat Group of Industries (Head Office Lahore, China Chowk) by ASHRAE codes and standards 'ASHRAE, ANSI/ASHRAE 113-2005'.
- Work on Auto Cad for Project drawings e.g. ducting, piping, plant lay out etc.
- To carry out heating & cooling load calculations on hourly Analysis program (HAP) at old and latest Version, by ASRAE codes and standards Comfort conditions 'ACCA MANUAL and ISO 9920:2007'.
- Finalized the routing and sizing of Ducting & hydronic piping system by the SMACNA & ASME standards.
- To carry out piping arrangement circuit and sizing with the use of software (Multi Digital Scroll System) for different companies e.g. Acson, Haier and Media.
- Prepare the System compression analysis Report (Energy Conservation & Cost) of HVAC 'split, packaging unit, MDS system, Air- and water-cooled DX Chiller, DFA chiller' system by standards of ASHRAE & ACCA.
- Assessed the Energy Analysis Report of ERV units (Energy Recovery wheel) followed by the codes of ISO 7168:1999.
- Mechanical exhausters of flue Gas by ASME PTC10-1997 (RA03) and Measure of Air Change Effectiveness by the ASHRAE 129-1997 (RA03) on different projects.
- Frequent visits to construction sites for the inspection of the Mechanical installations, that include piping, ducting, fan coil unit, chiller, cooling tower, plumbing & firefighting work to ensure they meet by international & local codes of building and client requirements.
- To assist the principal in the documentation work (BOQ, tender document).

Date: Apr 20, 2007-Oct 31, 2008

Position in Company: Building Services Engineer

Consultancy Name: Building Services Consultant

Clients: MOL (Manzalai gas Oil field), Pakistan Tobacco Company (Akhora hatic), P.G.E.C.H.S Gujranwala Cantt, Pakistan Institute of Medical Science, Mosque of Mansehra, Ahhad Tower, NTC, Pakistan Tobacco Company (Jehlam)

Location: Lahore, Pakistan

Demonstrated Skills & Abilities:

- Worked on Auto Cad for Conceptual, Double Line, Schematically, Project drawings & Diagrams for different Equipment.
- Designed HVAC systems as per clients' requirements and suggest the suitable system with less energy consumption and better performance.
- Calculation of heat load, ducting and piping for HVAC system.
- Advising the best system to the client (Split, Packaging Unit or Chiller based), recommending manufacturer to the client.
- Visit to various sites for verification of the work done as per ASHRAE and ASME standards.
- Holding coordination meetings with Architects, Electrical Consultants, Plumbing Consultants, and Civil Contractors while designing HVAC system.
- To assist the principal in the documentation work (BOQ, tender document).

Date: Aug 6, 2005-April 13, 2007

Position in Company: Service Manager Maintenance / Installation

Company Name:  Dawrance Group of Companies

Location: Lahore Pakistan

Demonstrated Skills & Abilities:

- Prepare Electrical Drawing and Mechanical cycle modification and specifications.
- Manage schedules and budgets and obtain permits for operations.
- Conduct engineering calculations in connection with field and office assignments.

- Investigate problems and recommend cost control solutions.
- Ensure compliance with safety requirements and standard procedures.
- Prepare request for proposals and evaluate bids.
- Estimate cash flow projections.
- Perform highly specialized design, research, and analysis on a project-by-project basis and advise on code compliance.
- Prepared and reviewed engineering plans, specifications, project schedules, designs, circuit diagrams, and estimates for construction and maintenance of projects.
- Provided technical support for system operations and maintenance.
- Maintained effective working relationships with field crews, contractors, vendors, outside agencies, the public and city staff members.
- Provided advice regarding code compliance.
- Created and presented economic feasibility studies.
- Performed quality assurance and control.
- Coordinated projects with other departments, outside agencies, contractors and consultants.
- Directed, prepared, reviewed and approved contract documents and specifications.

Date: Jan 2, 2005-July 25, 2005

Position in Company: Site Engineer

Company Name: Yummy Ice Cream.

Location: Lahore, Pakistan

Company Industry: Yummy milk Products (Pvt) Ltd.

Demonstrated Skills & Abilities:

- Investigate the complaints of cold room and maintain its temperature & defrosting by Reverses cycle to approach by solenoid valve and heaters.
- Provide technical support for system operation and maintenance e.g. complaints of Truck Refrigeration (Brine ice pad) welding of pipelines, thermostat valve, Clay in motor belt to compressor, solenoid valve operating in two ways and three ways settings.
- Work on simple compressor motor connection with contactor and overload, star connection, delta connection, star delta connection.
- Prepare and review of specifications, project schedules, designs, circuit diagrams, and estimates for construction and maintenance of power generation project log sheet as a shift Engineer.
- Maintain effective work relationship with labor and staff members as a teamwork.
- Reporting work to Chief Engineer.

Date: Oct 03, 2004- Dec 31, 2004

Position in Company: Supervisor

Company Name: Ahmed Brothers

Location: Sheikh Zayad Hospital, Lahore, Pakistan

Demonstrated Skills & Abilities:

- To Work out the absorption chiller, fan coil units, AHU.
- Attend the complaints of different Wards & VIP rooms.
- Check out the ph. of Chiller solution.
- Check out the refrigerant & absorbent gravity test.
- Check out the octal Alcohol, Lithium chromate, Lithium hydroxide, Hydro bromic acid.
- Check out the dilution (guard cycle) of system timing and proper work.
- Maintain the log sheet & the pipeline Insulation & color coding.
- Documentation work (Making of DPR, Stringing Report)

SUPERVISED INDUSTRIAL TRAINING

- Two months Training in Packages Ltd, in Air Conditioning Deptt.
- Four months Supervised Training in Habib Bank (Head office) in Air Conditioning Deptt.
- Four months Supervised Training in Sheikh Zayad Hospital (Kidney Center) in Air Conditioning Deptt.
- Four months Supervised Training in AG Engineering at project of Expo center Johar Town Lahore.
- Four months Supervised Training in Asian Engineering Company.

MEMBERSHIP AND PARTICIPATIONS

- Member of Pakistan HVACR Society 042-3-1379
- Technical Training program of Good Refrigerant Management Plan by **UNIDO**.
- Cost Reduction Techniques for Competitiveness & Profit Maximization by **National Productivity Organization**.

COMPUTER KNOWLEDGE

- Hourly Analysis **Program (HAP)** Software 4.04, 4.20, 4. 3
- Block Load (E -20) Software 2.06
- Comfort Air Software
- Computer Aided Design (CAD) software, (AutoCAD)
- Packages: MS Office, Adobe Acrobat
- Internet & E-mail
- Trouble Shooting & Installation of Window

LANGUAGES

- Speaking and Writing Fluency in English, Urdu, Punjabi, Arabic.

Declaration:

I do here by declare that the details furnished above are correct and true to the best of my knowledge and belief.

Muhammad Adnan Ajmal