



NOUFAL PATHOOR

Mechanical Engineer

An astute, conscientious, and meticulous Mechanical Engineer with over 7 years of prodigious experience in MEP project management, Maintenance and HVAC design and engineering. Involved in project execution and handling all aspects of mechanical services like HVAC, Plumbing, Fire Fighting, LPG and BMS installations of a variety of high rise residential, commercial, office and specialist training buildings. Have good knowledge about operation and maintenance of MEP items. Intensive experience in shop drawings, engineering calculations, technical submittals, coordination and execution activities of projects in line with local authority requirements. Seeking challenging assignments with a growth-oriented organization wherein my technical skills and exhaustive experience can be fully utilized for attaining personal and professional growth.

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WORK EXPERIENCE

MEP Project Engineer Mirage Electromechanical LLC

03/2019 – Present

Dubai

Key Job Responsibilities

- Serve as a **technical advisor** on a construction site for subcontractors, supervisors and operatives. Manage, deliver and offer solutions for the MEP services, to ensure the smooth operations for multiple projects.
- Attend **construction coordination meetings** with MEP subcontractors, consultant and resolving field conflicts and problems, reviewing progress against programs and drawings against project specification.
- Oversee the mechanical and plumbing service installations for the entire project; review **construction schedule** and monitor progress associated with MEP activities.
- Perform comparison of design of **IFC drawings** and making decisions for necessary design changes and raising **RFI** if required for preparing drawings.

Perform **Engineering calculations** like HAP, ESP, Pump head calculations, WSFU Calculations and DFU Calculations.

- Manage **installation** & commissioning activities of various equipment; planning maintenance schedules for machines and equipment. Perform **testing and commissioning** of all equipment by coordinating with suppliers and third parties and submitting **commissioning reports, operation and maintenance manuals** to the consultants.
- Communicate with clients and client representatives, including regular meetings to keep them informed of progress.
- Monitoring operation of all MEP Systems, Planning **maintenance activities** including PPM, Risk assessments, permits, lock out and tag out, establish energy management plans and emergency procedures for the site and lead all maintenance activities as a competent person(CP).
- Liaise with local authorities to ensure compliance with local construction regulations. Attend and assist **authority inspections** and accountable for local authority submissions (DEWA, DM, DCD, Empower).
- Promote a working environment that encourages employee involvement to achieve excellence in productivity, customer service, quality, inventory management and Environmental Health & Safety (EHS).

SKILLS

MEP & HVAC Operations

Project Management

Construction Management

MEP Maintenance

Operations Management

Shop Drawing

PPM

EPC

Design Standards

Engineering Calculations

Installation & Commissioning

Design Standards

TECHNICAL SKILLS

Tools & Technologies

AutoCAD, Hourly Analysis Program, HAP, VariTrane ESP Calculator, MS Office Packages

TRAINING

LEED v 4.1 Core Concepts and Building Design + Construction 3FOLD Education Centre Dubai

MEP Training (HVAC, Plumbing and Fire fighting Systems) ACE Training Institute

AutoCAD Training

EDUCATION

Bachelor of Technology in Mechanical Engineering

Calicut University, Kerala, India 2013

PERSONALITY TRAITS

★ Exceptional Leadership

★ Eloquent

★ Impeccable time-
Management

★ Innate problem-solver

★ Intellectual curiosity

★ Reliable & Flexible

WORK EXPERIENCE

MEP Engineer

Al Gazi Electromechanical LLC

08/2017 – 03/2019

Dubai

Key Job Responsibilities

- Managed and administered the MEP aspects of the project from the **pre-construction** budgeting/ schedule stage through procurement, shop drawing/coordination development, construction, and **contract closeout**.
- Prepared the material & shop drawing **submittal** including coordination drawing for consultant approval and raised purchase request.
- Performed study of the design drawing & spec and prepared RFI for the consultant for clarification.
- Conducted quantity take-off of each item in the project and proceeded with enquiry and price comparison.
- Coordinated issues for the MEP services raising during installation stage as per site condition.
- Prepared the valuation amount for each month based on the BOQ price and work progress. Identified and prepared the variation of works not included in the contract and onward submission to the main contractor for approval.
- Managed third-party testing and commissioning works.
- Established and maintained strategic relationships and partnerships within and outside the organisation to fully support the achievement of the functions' goals and objectives.

HVAC Engineer

Green System Technical Services

01/2016 – 07/2017

Abudhabi

Key Job Responsibilities

- Coordinated the aspects of HVAC system design across multiple Engineering disciplines including Environmental, Civil, Electrical, and Architectural.
- Monitored project schedules, timelines and deliverables using standard project management tools and engineering systems.
- Performed heat load calculations, selection of equipment and design of HVAC Systems.
- Liaised with consultants, subcontractors, supervisors, planners and the general workforce involved in the project for shop drawing preparation, site execution and commissioning.
- Assisted in the development of test and commissioning plans to enable the HVAC system to be set to work and proven to meet the client's requirements.
- Used accepted HVAC codes and specifications to produce HVAC drawings that accurately inline with building structure and meet building code and client requirement. Analyzed the models to produce a safe, economical design that satisfies the design criteria.

HVAC Site Engineer

Grace Engineers Pvt. LTD

09/2013 – 11/2015

India

PROJECTS

Company: Mirage Electromechanical LLC |

Project: **Kappa Acca 2 – 2B+G+1+12TYP+Roof Residential Building (Construction and DLP maintenance)**

Company: Mirage Electromechanical LLC | Project:

Design Works for Proposed Marriot Hotel - G+3P+29+Roof at JVC

Company: Mirage Electromechanical LLC | Project:

DLP Maintenance works for Hilton Hotel at Jaddaf Cultural Village

Company: Al Gazi Electromechanical LLC | Project:

2B+G+2P+14TYP+ROOF Residential Building at Tecom

Company: Al Gazi Electromechanical LLC | Project:

B+G+1+R Jumeirah Golf Estate Head Office

Company: Al Gazi Electromechanical LLC | Project:

G+4TYP+ROOF Labor Camp at Jabel Ali

Company: Green System Technical Services | Project: D club: office and catering kitchen for Keita Catering

Company: Green System Technical Services | Project:

Mazaya Residential Tower: G + 5P + Typical 20 + 1 Service+2 Penthouses

Company: Green System Technical Services | Project:

Abudhabi Airport Midfield Terminal Fire Station CHW Pump Room

Company: Grace Engineers Pvt. LTD | Project:

CISCO Office building with LEED Platinum rating

Company: Grace Engineers Pvt. LTD | Project: **TATA**

Institute of Fundamental Research, Bangalore

KEY STRENGTHS

Project Management experience:

Planning, Costing, Budgeting, Staffing, Estimating, Organizing and working on multiple projects. Managing project activities involving working out various requirements with respect to utilities, machines, manpower & monitoring overall project operations for ensuring timely completion.

People Management:

Align the team to the vision and strategy of the organization. Understanding employees' short term and long- term goals, mapping them with organizational goals and create and communicate larger overlaps.

Site & Construction Management:

Managing all construction activities including coordination with clients, consultants and architects for providing technical inputs & coordinating with the site management activities.

Managing operation and maintenance of all MEP systems. Doing all Risk assessment, lock out – tag out and emergency procedures. Act as a competent person.

LANGUAGES

English

Hindi



INTERESTS



Travelling



Music



Reading



Networking