

## **CURRICULUM VITAE**

### **AHAMED MEERAN. S**

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### **OBJECTIVE:**

Seeking a challenging environment that encourages learning & creativity that provides exposure to new ideas & stimulates personal & professional growth.

A capable, career oriented individual, with creative ability and analytical skill necessary for optimum productivity and performance.

### **EXPERIENCE:**

Having 3.5 years' experience as a Mechanical Engineer in the field of Construction Industry Installation, Testing & Commissioning of "Mechanical Systems".

- ❖ Worked with M/s Qatar Design Consortium from October 2019 to February 2021 as a **Mechanical Engineer – Design**.  
(An ISO certified & one of the largest Consultant Company in the State of Qatar).

### **PROJECTS HANDLED:**

1. Design for 'Proposed Workshop Cum Storage Facility' & 'Proposed Workshop For Plant and Equipment'.  
Client: M/s Galfar Al Misnad
2. Design for '66/11KV Substation at Wadi Al Sail & Luaib area'.  
End User: KAHRAMAA Client: M/s SIEMENS
3. Design for 'L'Wzaar Fish Market & Restaurant' at Doha Port.  
End User: Supreme Committee Client: M/s PAT
4. Design for 'Pneumatic Waste Collection Plant' at Lusail city.  
End User: Lusail Real Estate Development Client: M/s ENVAC

### **ROLES & RESPONSIBILITIES:**

- Understand project requirements from Client & raising queries for the complete Mechanical system.
- Preparation of Design Basis Manual (DBM) for the project.
- Concept design based on Architectural drawings.
- Concept Design discussion with the client and contractors.
- Air Conditioning Heating /Cooling load calculation using Carrier's HAP v5.1 as per ASHRAE Standards.
- Preparing single line drawing(Concept layout) of Air Conditioning system comprising AHUs, FCUs, FAHUs, Chillers, Chilled water piping, Chiller pump, Cooling tower, hot water supply & return piping, etc.
- Preparing schedules of AHU, FCU, FAHU, SEF technical data's & Selection of AHU, FCU, Chiller or DX systems like Ductable split A/C, Packaged A/C, Cassette A/C, Ceiling mounted split A/C and other Auxiliary equipment's as per requirement & availability in market.
- Piping design and sizing of chilled water supply/return lines.
- Duct designing & Duct ESP (External Static Pressure) calculation for Fan/blower sizing & selection.
- Calculation and selection of staircase pressurization, Smoke extraction and Basement fans.
- Head loss (in pipes) calculation for chilled water pumps (Primary & Secondary) sizing and selection.
- Ventilation system design for kitchen, toilets, car parking etc as per ASHRAE standards.
- Establish the necessary comparisons between different mechanical systems to decide which system is more suitable to the projects in terms of cost and quality.

- Submitting a detailed concept report including mechanical system description, design criteria, list of reference that will be used in the project.
- Lead the draftsmen team to proceed in detail design stage including calculation, engineering sketches, draft works, etc, moreover lead the coordination process with other disciplines.
- Prepare the design including equipment schedule and other details to ensure that the design is workable and meet requirements of the client and local authorities.
- Design & Selection of Booster pump, transfer pump, pressure vessel sizing based on the parameters required for Plumbing system.
- Hot & Cold water supply pipe, water heater, ground & roof water tank sizing calculation as per IPC, KAHRAMAA and other local codes.
- Calculation and designing of foul drainage stack pipe and manhole schedule as per ASHGHAL, QCS standard.
- Design and calculation of fire sprinkler, water demand and fire water tank sizing as per NFPA and local codes.
- Extensive knowledge in selecting type of system required for specific applications based on NFPA standards.

### **PREVIOUS EXPERIENCE:**

- ❖ Worked with M/s Metec Design & Construction Engineers (I) Pvt Ltd, Chennai from September 2018 to June 2019 as **Project Engineer-Fire Fighting**.
- ❖ Worked with M/s CVR Aircon (I) Pvt Ltd, Chennai from August 2017 to June 2018 as **HVAC Site Engineer**.

### **PROJECTS HANDLED:**

1. Installation, Testing & Commissioning of Fire Protection System & Utility System @ Mahindra Vehicle Manufacturers Limited, Pune.
2. Installation, Testing & Commissioning of Ventilation system in Sewage Treatment Plant @ GRT Radisson Blu Hotel, Chennai.
3. Installation, Testing & Commissioning of HVAC system in Cinema Theatre @ V-Celluloid, Sulurpet.

### **ROLES & RESPONSIBILITIES:**

- Get approved shop drawing, MEP coordination drawing, work method statement and project specification from Project Manager/Senior Engineer.
- Following up with the client for Approvals (Materials, Drawings and Others).
- Heating/Cooling Load calculation following ASHRAE/ISHRAE handbook & Software, building survey & preparation of riser diagram of Multi-Storey buildings.
- Selection of diffusers, grill & gauge of GI sheet, Calculation of No.of GI sheets required for the project, Selection of AHU after static pressure calculation.
- Calculation of duct sizes, Design & drafting of all types of Split A/C & preparation of duct layout with supply & return diffusers.
- Complete design & installation, Testing & Commissioning of extract fans, Centrifugal blowers, axial flow fans, duct in line fans.
- Supervise and Full in charge for the installation of units for building services HVAC system.
- Supervise the erection of G.I ducting for AHUs, FAHUs and make up air fans with accessories (Motorized Dampers, Volume Control Dampers, Fire Dampers Final Fixtures).
- Having Knowledge in reading the Site Construction drawings issued by Client/Consultant.
- Handling the Subcontractors for the Ducting works, Welding works for the Installation of the units.
- Ensure the Pipes, fittings and its accessories are available and approved by Inspection department prior to Installation.
- Ensure sufficient hand tools, power tools, ladder and scaffolding are available for installation.
- Prepare project plan & man power utilization plans.
- Monitor day to day progress and prepare the weekly & monthly look ahead schedules for execution.
- Supervise the Installation of Suction/Delivery Headers, Fire Pumps Installation in Fire pump room.
- Supervise the Installation of Fire Hose reel system, Fire Sprinklers system as per the NFPA standard.

- Supervise the Installation of Deluge valve, Zone control valve, Alarm valve station as per the Manufacturer recommendation & NFPA regulations.
- Review and update the Monthly Subcontractor Invoice.
- Coordinate with other services like MEP, Structural & Architectural team.
- Prepare and submit MIR, RFI, closing of NCR & closing of snag list.
- Attending site inspection with Supervision Consultant/Client Engineer for the executed works and get certification for the completion for raising Invoice to Client.
- Coordination with the Units manufacturer for the Initial Testing & Commissioning.
- Coordination for the Final Testing & Commissioning of the complete HVAC System and submitting reports to Client/Consultant for approval.
- Submitting Final Handing over Documents like Operations & Maintenance manuals, Test Reports etc;

### **PERSONAL KEY SKILLS & ATTRIBUTES:**

- Having leadership quality & contribute to the creation of a motivated environment where goals can be achieved, skills and knowledge are enhanced, learning and development are valued.
- Good communication & Problem solving skills both technical and commercial.
- Negotiation skills with ability to resolve conflict situations.
- Accurately and clearly convey timely information and ideas, using a style and manner of appropriate presentation to the clients and consultants.

### **PERSONAL QUALIFICATION:**

- Bachelor of Engineering in Mechanical Engineering from Pet Engineering College, (Affiliated to the Anna University), Vallioor, Tamilnadu.
- Proficient in MS-office & AUTOCAD 2D & 3D.
- Certified design course of Diploma in HVAC & Fire Fighting Engineering from Innovative Engineering Solution, Chennai.

### **PERSONAL DETAILS:**

<b>Name</b>	:	S. Ahamed Meeran.
<b>Fathers Name</b>	:	N. Sheik Meeran.
<b>Date of Birth</b>	:	24.01.1995
<b>Sex</b>	:	Male
<b>Status</b>	:	Single
<b>PP No</b>	:	R9941871
<b>PP Validity</b>	:	17.04.2028
<b>Languages</b>	:	Read, Write & Speak – English, Tamil
<b>Address</b>	:	83/38B, M.N.P. 1 <sup>st</sup> South Street, Pettai, Tirunelveli.
<b>Driving License</b>	:	No. TN72 20150004205, Valid up to 07.05.2035.

### **DECLARATION:**

I hereby declare that all statements made herein are true and correct to the best of my knowledge and belief.

Ahamed Meeran. S