

S. IRSHATH AHAMED

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HVAC ENGINEER

OBJECTIVE:

Intend to build a career with leading corporate of hi-tech environment with committed and dedicated people, which will help me to explore myself fully and realize my potential.

Willing to work as a key player in challenging and creative environment.

SUMMARY:

- ❖ Completed HVAC Designing and Draughting in Unique Taiba Engineering Academy, Chennai.
- ❖ Load calculation using E 20 method, HAP software, Duct sizing, ESP calculations.

EDUCATION:

- ❖ B.E., Bachelor of Engineering in Mechanical – 2009 to 2013
Sethu Institute of Technology, Kariyapatti, Virudhunagar Dist.

CURRENT PROFILE HIGHLIGHTS :

Organization : STERLING AND WILSON MIDDLE EAST WLL QATAR.
Designation : HVAC ENGINEER- TENDERING & PROJECTS
Period : Oct 2018 - At present

IN EXECUTION:

- ❖ **Qatar Cool- District Cooling:**
 - ✓ District cooling entails the production and circulation of chilled water to multiple buildings through a network of insulated underground pipes.
 - ✓ Cooled water is pumped from the central plant through the pre-insulated underground pipes linked to the building connections, which is called a Energy Transfer Station (ETS).

In the ETS, the coolness of the chilled water is used to chill down the water of the building through a Plate Heat Exchanger (PHE).

- ✓ The PHE is composed of hundreds of parallel, vertical, thin, metal plates very close to each other.
- ✓ The cold water from the cooling plant flows between two of the plates, and the water returning from the building flows between the adjacent two plates, electronically controlled pumps push the building's cool water through the buildings pipes into fan coil units, where fans push the ambient air against cold coils, thus cooling down the air and pushing it into the room.

Job Responsibilities:

- Review all mechanical drawings and ensuring the work is done as per the approved shop drawings.
- Preparation of submittals and follow up with the suppliers complying specifications and taking approval from the clients.
- Preparing purchase requisition and forwarding to procurement department and follow up with the suppliers to material delivery on site as per work schedule.
- Raising and attending material receiving and installation inspections with quality controller and client for approvals.
- Installation of chill water pipes (post insulated pipes inside the Energy Transfer Station and Pre insulated pipes for Underground Branch connection) as per the approved shop drawings.
- Installation of Plate Heat Exchangers, valves, strainers, Flow meter and instrumentation devices as per approved client requirements.
- Hot taping should be done in the main pipe line (live line) for the connection to ETS if required.
- Flushing should be carried out for the CHW Pipes at the time of final connection.
- Executing redline drawings and taking approval from the client and follow up with the drafting section to preparing As Built drawings for the final handover works.
- Final documentation work i.e. Guarantee, Warranty, Operation and maintenance manual Etc., at the final handover time.

Job Responsibilities in OS:

- To ensure proper quantity take off as per the Project Method of Measurement / Standard Method of Measurement.
- Receive, create and maintain Tender drawings and associated tender documents as per RFI (Request for Information/ Inquiry) received

- Review tender documents, drawings and understand or seek clarifications from Estimation Engineers
- Prepare Bill of Quantities (BOQ), Bill of Materials as per drawings and Method of Measurements.
- Provide the detailed list of specifications to the suppliers/vendors for procuring the cost of the supplies, send enquiries, seek quotations and analyse prices.
- Perform other duties as assigned by Estimation Manager.

PROJECTS AS OS:

- **Seef Lusail Development- Plot D1 & D2:**

Work shall be based for the mix use-residential & retail project “SEEF LUSAIL D1&D2 PLOT”, Doha, Qatar. MEP scope of works including chilled water system, HVAC.

- **New HQ Building and Sorting facilities for Qatar Post at Thumama:**

MEP scope of works including chilled water system, HVAC.

- **Hotel apartment building at Pearl Qatar:**

Supply, Installation, Testing & Commissioning and Maintenance of MEP work.

- **Hamad International Airport- Passenger Terminal and Expansion Works:**

MEP Scope of works including Chill water system. The main scope is to Increase the operational capacity of HIA to contribute to the servicing of continued growth of Airport and Qatar Airways, and the Milestone of FIFA 2022.

CAREER HIGHLIGHTS :

Organization : AFAQ TOWAIK CONTRACTING EST, SAUDI ARABIA.

Designation : Site Engineer- HVAC

Period : May 2017 to Feb 2018

Organization : LOTUS AIRTECH PVT.LTD, CHENNAI, INDIA.

Designation : Site Engineer- HVAC

Period : October 2014 to Nov 2016

Job Responsibilities:

- Responsible to perform detailed study/review the scope of works and drawings of HVAC equipment's are as per technical specifications.

- Responsible for monitoring and inspecting site installations performed by subcontractors to ensure its adherence to the drawings and specifications.
- Regular discussion with consultant regarding technical and non-technical issues.
- Providing effective support by preparing and updating required technical material & equipment to the client.
- Daily work allocation and work progress monitoring.
- Arranging regular meeting and solving the technical and non-technical queries.
- AMC for Multi Brand Package AC Units, Central AC Plants & Chilling Plants.
- Analyzing the customer requirements and proposing the solutions
- Providing continuous market feedback on competition and technology

COMPUTER SKILLS:

- **Design Software** : AUTO CAD, 2010, HAP, Ductulator, Planswift Takeoff -2019.
- **Software** : MS Office.

PERSONAL DATA:

Father's Name : M. Syed Abuthahir.
DOB : 10th may 1992
Nationality : Indian
Passport no : L4160146.
Marital Status : Married.
Languages Known : English, Tamil, Arabic, Hindi.

DECLARATION:

I hereby state that all the information mentioned above are true to best of my Knowledge.

Yours sincerely,

(S.IRSHATH AHAMED)