

CURRICULAM VITAE

HAFIZ MUHAMMAD MUSHARRAF

HVAC Engineer / QC Inspector

SAUDI ARAMCO APPROVED

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OBJECTIVE

A high class professional dynamic self-motivated goal-oriented with an experience in Mechanical HVAC Maintenance, Construction Contracting Project Management with the skills of MS Excel and good knowledge of Computer. Seeking forward to secure a position in Management which offers opportunities to face challenges, develop new skills and a platform to utilize my knowledge where I can put to my services experience and expertise.

SUMMARY

Eight years of progressively responsible experience in multi-discipline projects maintenance, Construction, Installation, Inspection, pre-commissioning of HVAC activities in the field of Commercial and Oil and Gas Industries, & Power Plants.

QUALIFICATION

- **Degree B-Tech in Mechanical Technology**
Newport's Institute of Communications and Economics, Karachi, Pakistan.
- **Diploma of Associate Engineer in Mechanical. (03 Years)**
Pakistani Swedish Institute of Technology Karachi, Pakistan.

DETAIL OF EXPERIENCE

Project : Replace Emergency Steam Turbine Gen RTR

Client : Saudi Aramco
Contractor : Asyad International Co.Ltd.
Position : HVAC Lead Engineer
Duration : Feb, 2021 to till date

Project : Upgrade HVAC System at Analyzer Shelter Ju'aymah JNGLFD Plant

Client : Saudi Aramco
Contractor : Asyad International Co.Ltd.
Position : HVAC Engineer & QC Inspector
Duration : Dec 2019 to Jan 2021

Project : Jazan Refinery Emergency Diesel Generators J95-SS-452 EPC #09

Client : Saudi Aramco
Contractor : Asyad International Company Ltd.
Position : HVAC Engineer & QC Inspector
Duration : Dec 2018 to Dec 2019

Project : **Sulfur Railcar Loading Facility**
Client : POSCO
Contractor : Asyad International Company Ltd.
Position : HVAC Engineer & QC
Duration : July 2016 to Nov 2018

Project : **Qurrayah Power Plant Steam & Gas Turbine.**
Client : NOMAC
Contractor : Mansour Al Mosaid Company Ltd.
Position : HVAC Maintenance Supervisor
Duration : July 2013 to June 2016.

Company : **TOYOTA Indus Motor Co Ltd. Karachi, Pakistan.**
Position : QC Paint shop (Apprentice Team Member).
Duration : Dec, 2009 to Nov, 2010.

Duties and Responsibilities

1. As Construction Engineer

- Supervised as team leader in Mechanical & HVAC work Installation of Chilled water Chillers, Chilled water line, pumps, FCUs, AHUs, ACCU, PACU UNIT, Split unit, Exhaust and pressurization fans, duct work testing commissioning complete job. Capable read Study Project drawings, review Contract from the client, & supervised site Project management site Technician crew & Resolve Technical issues.
- Preparation cost analysis, Completion project schedule on time, purchasing local material & equipment selection as per required brand & capacity.
- Supervision, monitoring and inspections of all activities and ensures an efficient and safe implementation of all works in accordance with the acceptable technical standards, approved plan, specifications and in conformity with the contract documents.
- Active involvement in weekly meetings with the project management, QC Supervisor and **Aramco**, Client to resolve the site related issues.
- Prepares daily / weekly reports, coordinates with contractor and client.
- Maintain good quality of work with reference to the projects specifications and standards.
- Coverage of all critical activities including lifting and hot works.
- Provide approved HVAC shop drawing MEP Co-ordination Drawing to site supervisor or Foreman inform them to shift the required ducting and piping approved material from warehouse to site and arrange required material to avoid progress delay.
- Coordinate with other discipline and ensure site clearance is available to start the HVAC Activities.
- Carry out all planned site inspections as per the intervention point marked in the relevant drawing and standard.
- Assist the Commissioning Team in Pre-commissioning & commissioning stages of all HVAC Equipment's.
- Assist the Project Leader during Preparation of final Test Reports, as built drawings, Operation & Maintenance manual and handing over the project to client.
- Excellent Preparation of HVAC duct light test.
- Co-ordinate with HVAC TAB (Testing Adjusting & Balancing) Team.
- **Testing's**: - Inspection of Leak test(LT), Vacuum Test(VT), Air Testing Test (ATT), Hydro Pressure Test (HPT), Flushing/Air blowing for the pipes, Pneumatic Test.

Duties and Responsibilities

2. Maintenance:

- Perform repair and maintenance in the areas of HVAC, electrical, plumbing, and other general internal operations within the industrial oil & Gas refineries and Commercial, perform my duties independently and complete work orders in a timely manner, excellent team player and always willing to help in other areas when needed, responsible for communicating with the shift supervisors of various areas with regards to routine maintenance and repair of equipment.
- Supervised at site Maintenance & Installation work Completion on time schedule, resolve technical issues, material selection & equipment from Client side as Project Leader.
- Diagnose problems and perform general and preventive maintenance on HVAC systems.
- Maintenance of equipment by reassembling, Evaporators, Condensers and receivers.
- Lay out wires and pipes to complete HVAC systems.
- Assist Evaporator, Condenser, Pipes, Flashing by Nitrogen.
- Install compressors and other related components of the Air Conditioning unit.
- Perform checks on motors and belts and handle lubrication duties.
- Respond to emergency situations in order to resolve issues on an immediate basis.
- Change filters and replace any parts as they wear out.
- Periodic Inspection and inspection analysis in manual run mode.
- Supervising the Water & Air balancing of the HVAC System by Handling the modern & traditional water & air balancing Equipment.
- Hydro Testing of Chilled Water Piping and Chemical Flushing for Chilled Water System.
- Ensuring the quality & complying with client specification.
- Chiller replacement and pump installation, ducting, piping and associated ducting work.

Duties and Responsibilities

3. As Quality Control Inspector

- Perform Material receiving Inspection of HVAC Material and equipment as per procurement order (PO) review Mill Test Certificates (MTC), RTA, in accordance with applicable codes & standards like SAEP 1151, SAER 1972, SMACNA, ASHRAE, UL, etc.
- Ensuring satisfactory identification of material, proper protection of Ducts, Terminal equipment, Supports, Insulation and other accessories.
- Reading and understanding of I.F.C drawings, ensuring that work is going on accordingly. Making as built drawings if required.
- Checked and understand the HVAC equipment schedule plan, to know the equipment specification and identification of location where to be install.
- Perform the installation Inspection of duct work, as per ITP, IFC drawings and Inspection Checklist (ICL) by complying Saudi Aramco Standards, project specifications and SMACNA, ASHRAE & NFPA requirement.
- Installation inspection of refrigeration piping including their pressure test, vacuum test, insulation and cladding as per IFC, P&ID and standard requirement.
- Witnessing, verifying and record the quality work being performed by the construction people is satisfactory and with compliance with approved documents provided by the client and raise Request for Inspection (RFI) to Project Inspection Department (PID) in order to approve the activity is being inspected by me.
- Raising NCR if any material or work discrepancy is found against the standard requirement, Project Specs or IFC drawings.
- Conduct the Pressure Test and Vacuum Test for the copper piping of refrigerant line as per

manufacturer recommendations and **SATR-K-4003, SATR-K-4004** requirements.

- Assist the third party to carry out the Testing, Adjusting & Balancing (TAB) of the HVAC System as per **ASHRAE STD 111**, NEBB and Aramco standards. Witness and verifying that the given values of TAB meet with approved design values in drawings and **SATR-K-4006**.
- Complete coordination with Site Engineer, site supervisor in order to perform quality work.

Short Courses

- **Work Permit Receiver Aramco Approved**
Expiration Date 19 May-2023
- **HVAC Certification of Technician Qualification Aramco Approved**
Saudi Electric Services Polytechnic (SESP).
Certificate No: SESP-HVAC-0000067 **Expiry Date:** 05 Nov-2023
- **HVAC Design & Drawing Analysis.**
Skill Development Council (SDC) Karachi, Pakistan.
- **Basic Foundry.**
Pakistan Air Force Base Faisal Karachi, Pakistan.

Computer skill

- Microsoft office (Word, Excel, power point).
- HAP 4.3

Personal Information

- Date of birth: 25 Aug 1988
- Nationality : Pakistan
- Status: Single
- Driving license KSA: Valid 2022
- Address KSA: Ras Tannura Saudi Arabia
- Languages : English, Urdu, , Arabic

Reference

References will be furnished upon request