**CURRICULAM VITAE**



**Pandiyan Muthusamy**

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**MEP Mechanical Engineer**

**Uniquely well qualified for positions**

**requiring excellent Mechanical HVAC and Pipeline system in building construction, management and quality control skills**

**FORMAL EDUCATION**

**Bachelor of Engineering** In the stream of **Mechanical Engineering**

*R.V.S College of Engineering and Technology, Anna University, India Graduated in April 2013 with* ***First Class***

**KEY SKILLS**

* BOQ Preparation using Auto cad and MS Office.
* Inspection Test Plan Preparation.
* Method of Statement Preparation.
* Raw Material List Preparation.
* Problem-solving and decision-making
* Working in groups and brainstorming.
* Quality and Quantity Checking.
* Consultant & Municipality Meetings.
* Optimistic & hardworking good analytical skills

**CODES AND STANDARDS**

* BS – British Standard
* ASHRAE, ISHRAE, SMACNA and

NFPA

* ASME Section V – Non-destructive Examination.
* ASME Section VIII – Boiler and Pressure Vessel Code.

**COMPUTER SKILLS**

* Diploma in Computer Application
* Primavera, MS Project
* Auto Cad, PRO-E & ANSYS
* MS Office.
* Window’s Family.

**PROFILE**

A pro-active and enthusiastic Mechanical Engineer with sound technical knowledge, outstanding communication skills and proven leadership qualities in professional, managerial and administrative jobs undertaken Highly motivated and optimistic professional, capable of working on own initiative or as part of a team with excellent analytical and problem solving skills.

**SUMMARY OF QUALIFICATIONS**

* Strong communication skills with people of all levels and roles
* Driven to learn and apply new ideas
* Recognised as creative and practical problem solver
* Enthusiastic, creative, and willing to assume increased responsibility
* Unique ability to adapt quickly to challenges and changing environments
* Personable, articulate, and professional in both appearance and manners
* Ability to coordinate multiple projects and meet deadlines under pressure

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|  |  | **PROFESSIONAL EXPERIENCE** |
| Aug 2017 to Jan 2019 |  |  |  |  |
| Company | : | India |
| Designation | : | **MEP Mechanical Engineer** |
| May 2016 to June 2017 |  |  |  |  |
| Company | : | Doha, Qatar. |
| Designation | : | **MEP Mechanical Engineer** |
| May 2013 to April 2016 |  |  |  |  |
| Company | : | India |
| Designation | : | **MEP Mechanical Engineer** |
| Certificates |  |  |  |  |
| PCN Level II | : | Ultrasonic Testing 3.1, 3.2 & 3.8, 3.9 |
| ASNT Level II | : | Magnetic Particle Testing, Penetrant Testing, |
|  |  |  | Ultrasonic Testing, Radiographic Testing |

**AREAS OF EXPERIENCE**

**Summary:**

A challenging career in Mechanical Engineering involving constructions (HVAC, Plumbing & Fire Fighting Pipeline & water supply Infrastructure Technical coordination and Site supervision) and management development working in a team environment with highly motivated colleagues.

**Job Responsibility:**

* I have experience in HVAC and Plumbing systems like potable water, storm water, sewer, irrigation and fire fighting systems. District Cooling Network and Pneumatic Waste Collection Network, HDPE Gas Pipe line (such as Installation, Pressure Testing and Flushing & Purging)
* Experienced as Site Supervision of Mechanical MEP works, Construction works and finishing works.
* Strong experience in Project site work and implementation of Project Procedures. And ability to put in place and maintain high Quality standards.
* Preparation of Quality Procedures, Method statements and Inspection Test Plan (ITP) for the project and ensure to follow the same.
* Superior operation knowledge of heating, ventilation, air-conditioning and plumbing system
* Develop monthly reports showing inspection, status of NCR’s and audit performance and improvement opportunities.
* Prepare daily reports of the actual QA/QC activities accomplished during the day.
* Attend meetings with fellow construction and QA/QC team by weekly & monthly basis to discuss and solve site matters along with Project/Construction team.
* Check & maintain all testing instruments calibrated up to date and make a log on History Card, Calibration Register, etc.
* Report functionally to the Manager for day to day maintenance activities.
* Conducting hydro-test and pneumatic test for piping spools.
* Perform weekly Tool Box Talk (TBT) training.
* Material inspection as per project specification and material test certificates.
* Preventive and corrective maintenance of Building Automation System such as HVAC System (Chiller, AHU, Cooling Tower, FCU, FAHU, TFA, Sensors, Pumps, Motors, steam boiler and Heat Exchanger etc.)
* Control Panels and DDC panels : Operation and Maintenance of HVAC control system
* Fire Alarm System: Operation and Maintenance, Fire hydrant System, Sprinklers etc.
* Documentation Review for the Mechanical clearance, Test packs, Check list and Punch list.

**Other Capabilities of HVAC, water supply, storm water, sewerage systems & fire fighting:**

* Receiving the Enquires from sales team, conducting site survey and preparing the BOQ and preparing cost Estimation for the projects in HVAC and Plumbing systems like potable water, storm water, sewer, irrigation and fire fighting systems.
* Preparing BOQ, technical specification & tender documents as per site condition. Getting approval from clients/PMC/Consultants, preparing schedule of work for installation.
* Design of air distribution system which includes Indoor units, fans, duct, air louvers, dampers, air outlets, pipe network design in AutoCAD based on site measurement.
* Installation of HVAC Ducts & Refrigerant Pipe lines as per the approved shop drawings.
* Installation of Fire Fighting Pumps with piping accessories and Fire hydrant system and all types of sprinklers head with piping accessories as per the approved shop drawings.
* Installation of Fire Hose reel and Landing valve with piping and Portable Fire Extinguishers system as per the approved shop drawings.
* Planning and Execution of Site works on daily basis & Supervision of all works at site as per approved MST.
* Supervise and implement the installation of Plumbing work, Drainage system, Water Supply system, Chilled water Piping and Fire Protection System.
* Inspection of pipe spool marking, pipe cutting, and joint fit-up as per approved construction drawings and standards.
* Witnessing and monitoring the required NDE has been covered as per the project specification. Monitoring the QA/QC Documentation of the contractors and ensure that all the activities are incorporated to their system on daily basis and can be traced according to our requirements, and also reviewing radiographic films.
* Coordinates with Document Control, Production, Project Management Team, Engineering Department, and Certifying Authority and Client Site Representative with regards to Quality aspects.

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| **Personal Vitae:-** |  |
| Date of Birth | -- 29/07/1992 |
| Gender | -- Male |
| Marital Status | -- Married |
| Nationality | -- Indian |
| Linguistic ability | -- English, Tamil, Hindi, Malayalam |
| Visa Type | -- Visit Visa |
| **Declaration:-** |  |  |

I hereby declare that above written particulars are true to the best of my knowledge and better looking forward to receive your early reply. Thanking you in anticipation.

Place:

Date: PANDIYAN