



SIJIN.K
QA/QC
(MECHANICAL/CIVIL)
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CURRICULUM VITAE

BE Mechanical engineer having more than 9 years of working experience in Engineering Inspection, testing during fabrication, performance testing of HVAC units and construction in industrial project

CAREER SUMMARY

Having experience in HVAC industry & Industrial project as QC inspector. Well versed with Structural / Equipment / Hvac / Welding / Civil inspections

OBJECTIVE

To obtain a challenging position commensurate with my professional experience in a progressive, growth oriented company. To work for organization that recognizes an individual's abilities, talents and accomplishments.

PROFESSIONAL QUALIFICATIONS

- 1) B.E. Mechanical Engineering (2006-2010)
- 2) ASNT LEVEL II in-
 - Radiographic Test
 - Ultrasonic Test
 - Magnetic Particle Test
 - Dye Penetrant Test
 - Visual Testing

CAREER SUMMARY

- Worked with SANPAR MICROFILTERS PVT LTD-HVAC
- Worked with AIRMECH COMPANY W.L.L
- Experience in HVAC, Structural, Equipment, Piping, Civil, welding, Roofing and Cladding

DUTIES AND RESPONSIBILITIES

- ❖ Material receiving inspection and documentation.
- ❖ Quality surveillance, Welding Inspection, Documentation & Dimensional Check.
- ❖ Line checking, mechanical and QC clearance of hydro test packages.

- ❖ ITP(Inspection and Test Plan) Preparation
- ❖ Ensure that all execution and inspection are carried out as per inspection plan / drawings / codes & specification
- ❖ To prepare the inspections reports, internal NCR's etc.
- ❖ Coordination with Client inspector for inspection
- ❖ Method Statement Preparation
- ❖ Review of material approval request
- ❖ Perform and witness UT, MPI, LPI,VT.
- ❖ Perform line checking/prepare and check official test pack prior to release for hydro testing by ensuring that all welding inspection and NDT activities affecting the quality of welds contained in each piping spools of an isometric have been completed and accepted.
- ❖ Review fabrication/erection, documents and work quality in terms of specification, workmanship and other variables as indicated in the above-mentioned documents as per requirements of QC standard operating procedure and client's specification.
- ❖ Conduct fit-up and visual inspection of all piping and welding works from piping pre-fabrication to field installation.
- ❖ Prepare and schedule required NDT request including, for visually accepted joints to cope up with the NDT percentage requirements per line class including welder's performance percentage.
- ❖ Familiarize with Approved Drawings, Governing Standards and Specifications.
- ❖ Conducting Welders Qualification Tests.
- ❖ Supervision of QA/QC activities related to Structural, HVAC, Equipment, Piping and Civil.
- ❖ Hydro testing of erected piping systems.
- ❖ Familiar with various Welding process like GTAW, SMAW.
- ❖ To initiate Inspection requests for client's monitoring inspections.
- ❖ To ensure the calibration/validation of measuring instruments.

PROFESSIONAL EXPERIENCE:

CURRENT COMPANY: AIRMECH COMPANY W.L.L

Designation : QC Inspector
 Period of Working : From 2017 July to till date
 Project : Alba Potline-6, Anode Rodding Shop Expansion project

Client-Outotec/Bechtel (2017-2019)

Job Responsibilities

- ❖ Preparation of Inspection and Test Plan (ITP)
- ❖ Prepare, submit and follow up method statement for approval
- ❖ Ensure that all execution and inspection are carried out as per inspection plan / drawings / codes & specifications.
- ❖ Material receiving inspection and documentation.
- ❖ Preparing inspection request as per Inspection and Test Plan
- ❖ Coordination with client inspector for inspection.
- ❖ Line checking, mechanical and QC clearance of hydro test packages.
- ❖ Perform line checking/prepare and check official test pack prior to release for hydro testing by ensuring that all welding inspection and NDT activities affecting the quality of welds contained in each piping spools of an isometric have been completed and accepted.

- ❖ Review fabrication/erection, documents and work quality in terms of specification, workmanship and other variables as indicated in the above-mentioned documents as per requirements of QC standard operating procedure and client's specification.
- ❖ Conduct fit-up and visual inspection of all piping and welding works from piping pre-fabrication to field installation.
- ❖ Prepare and schedule required NDT request.
- ❖ Performing inspection of welds, NDT, hydro testing, pneumatic testing, weld repair of pressure & non pressure equipment's in fabrication & welding Pipeline
- ❖ Ensure all inspection activity as per approved ITP and the work as per approved method statements
- ❖ Organizing & conducting welder qualification tests. Identifying welding defects
- ❖ Conducting PQR and WQT as per the requirement of work scope.
- ❖ Credit of verifying that the instruments (pressure gauges, hygrometer, DFT gauge, surface profile gauge, thermometer, etc.) were calibrated and review of certificate
- ❖ Responsible for stage wise painting/coating inspection as per the line class and line system.
- ❖ Responsible for incoming painting/coating material inspection/handling/storage/mixing as per project specifications.
- ❖ Check location, Elevation, Orientation of Structural columns
- ❖ Check cumulative alignment of erected structural members
- ❖ Verify all bolts are torqued with required torque value
- ❖ Check location, Centre line ,orientation of anchor bolt prior to equipment erection
- ❖ Check alignment and Level of installed equipment.
- ❖ Verify all civil inspections are carried out as per approved ITP and Method statement
- ❖ Monitor the bitumen paints are kept in a proper storage area with MSDS
- ❖ Ensure proper curing at site
- ❖ Check reinforcement as per approved IFC drawings. Raise inspection request for the same.
- ❖ Check concrete temperature,slump,Time with third party and prepare internal concrete pour report
- ❖ Prepare compaction report layer by layer internally.
- ❖ Develop manufacturer Record book as per client specification.
- ❖ Monitor and ensure that all the HVAC site activities are conducted in accordance with approved shop drawings, specification and installation procedure and material storage procedure is properly implemented
- ❖ Inspection on ducting , lining, insulation of the air conditioning lines/systems

➤ **PREVIOUS COMPANY: SANPAR MICROFILTERS PVT LTD (INDIA)**

Designation : QC Engineer

Period of Working : From 2011 February to 2017 June

Project : HVAC systems (Air Dryers, Air Chiller, Water Chiller, Air Filters.Etc.)

Job Responsibilities

- ❖ Inspect the incoming materials received from stores.(Like Copper pipe,flanges,sleeves,MS elbow, MS plate,pipe..etc.)

- ❖ Prepare an inspection report on the material inspected.
- ❖ Vendor inspection (Condenser dimensional inspection, Compressor continuity test, raw materials inspection and verify the test certificate).
- ❖ Carried out Fit Up and Welding visual inspection
- ❖ Conduct Hydro test and Pneumatic test for filter housings as per design parameter..
- ❖ Conduct Pneumatic test of Air manifold at given pressure.
- ❖ To check the piping connection (Copper piping) is done as per drawing.
- ❖ Conduct refrigerant leak test for all brazing joints and refrigerant line by using leak detector, to identify the leak
- ❖ Conduct performance test / Run test of Dryers, Dehumidifiers and Chillers (Check all parameters like inlet outlet temperature, pressure, Velocity, Suction, discharge temperature etc...)
- ❖ Prepare performance report of the product.
- ❖ Verify insulation is done proper.
- ❖ Check filter element is made as per drawing, measure dimensions as per drawing

CERTIFICATION

- ❖ 2 years 4months work Experience certificate from Outotec in the project of Alba potline6, Expansion project.
- ❖ Safety Appreciation from Outotec
- ❖ ASNT NDT Level-11 in UT/RT/MPT/LPT/VT

PERSONAL DATA

Name	: Sijin.k
Date of birth	: 19.06.1989
Sex	: Male
Nationality	: Indian
Passport No	: P7574602
Driving License	: YES
Marital Status	: Married
Computer Skill	: MS Office
Permanent address	: Jyothis (H)
	: Kerala, India
	: Pin-670702
Languages known	: Malayalam/English/Hindi/Tamil/Kannada

DECLARATION

I, hereby declare that all the above mentioned information is true and authentic and all the references will be provided at your request. Thanking you and looking forward to your reply at the earliest convenience.

Sincerely,

SIJIN.K