CURRICULUM VITAE

**TUSHAR T BHOSALE**  QA/QC Engineer /Inspector / Supervisor -Trainer

Mobile No- +919325562 283 / +918793287488 Total Experience - 11 years

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**Career Objective:**

Seeking an accomplished Operations specialist and **Quality Check Engineer** –**Inspector** With **over 13 years of relevant industry experience*,*** possessing skills in **welding**, **Piping**, **Manual Testing** & **Inspections.** Seek an inspiring position in the relevant field with an aim to position self as a reliable influencer thereby simultaneously generating revenue opportunities for the firm.

**Educational Qualification Technical Qualification**

**Degree in Mechanical Engineering. CSWIP 3.1 from TWI-UK (Cert No-87949)**

**Diploma in Mechanical Engineering. ISO 9001-2015 Lead Auditor.**

**NCVT in Mechanical. ASNT level II RT, UT, MPI, DPI, RTFI, VT.**

**ITI in Welding Trade. IELTS**

**Duties & Responsibilities:**

* **Documentation s**uch as weekly **project weld status report**, **welder’s rejection rate report, NDE backlog status, NCR log, two weeks look ahead.**
* Preparation **RFI** and coordination with client to get approval of daily inspections.
* Review **hydro-test procedure** and **preparing hydro-test packages** and **spool release documents.**
* Maintaining the records such as **WPS, PQR, and Welder Qualification Certificates**.
* **Line check** before commissioning activities and **Punch list preparation**, **punch list closing**.
* Co-ordinate **Internal audit** and **client audit.**
* Review of **WPS, PQR, JCC** according to project requirements.
* Review of **Quality Control procedures** according to project requirements.
* Review of QC inspector’s performance and motivating them and also sorting out the problems as a team.
* Follow up and logging of **Non-conformities reports** and controlling it with the proper **corrective/ preventive actions** to rectify it.
* Regular **surveillance** to site to meet the project and client requirements.
* Review, evaluate and monitor the **weekly report** from clients and subcontractors.
* Conduct **weekly meeting** with clients and third party.

**Welding:**

* Conduct **inspection during all phases of fabrication, prior welding, during welding and after welding preparing Daily Welding Reports (DWR).**
* Checking all applicable documents like **approved drawings & WPS** and review of **Isometric drawings, WPS and PQR.**
* Ensure that the welders are properly qualified in accordance with applicable codes and standards.
* Ensuring that all the welding related records such as **weld maps, welding procedure, welder qualification documents** and **calibration records** of welding related equipment’s are maintained as per code requirements.
* Monitoring the **storage** and **handling of welding consumables** in accordance with project procedures and Verifying welding consumable issuance records and storage records.
* Verifying **fit-up dimensions**, **weld preparations** are in accordance with approved **WPS and drawings**. Responsible for **visual inspection** and **final inspection**.
* Monitoring the **pre-heat** and **inter-pass temperatures** as per approved WPS, codes and standards.
* Monitoring and recording the **welding parameters** such as **voltage, current** and **welding speed** during procedure especially **low temperature carbon steel** and **high alloy steel materials.**
* Witnessing **welder qualification test (WQT)** with brief instructions to welders and reviewing welder qualification test certificate and preparing welder **job clearance card (JCC).**
* Preparing the **weld history** for NDT requirements according to project specification and Selection of joints for NDT as per priority and the method of NDT to be used.
* Witnessing **non-destructive testing (NDT)** activities to follow up and confirm **repairs, re-testing** and **re-inspection** in accordance with specifications.
* Witnessing **post weld heat treatment (PWHT),** Heating method & temperature record system
* Witnessing **positive material identification (PMI)**, verify that all PMI of material has been performed as per specification.
* Reviewing of **MT, PT, PMI, PWHT & Hardness Test Reports**.
* Preparing **welding surveillance report** as per client requirement.
* Review of weld summary test packages for **Hydro Testing**, witnessing Hydro testing.

**Mechanical/Piping:**

* Checking and verifying of **receiving materials (pipes, flanges & fittings) as per MTO,** ensure that materials are correct according to the specification and description upon received.
* Preparing **checklist** for received materials prior to Inspection of **PID**
* Check the pipe spool before fit-up inspection with **spool assembly dimension** and **orientation,** check bevel of fit-up for welding approval
* Ensure that **calibration certificate** of test instruments such as **pressure gauge, relief valve, manifold, and pressure and temperature recorder prior to hydro test.**
* Preparation of **hydro test package & punch list.**
* Witnessing **valve installation**, **spool installation** and **bolt tightening**.
* Witnessing of **pneumatic test, hydro-test**, and **flushing and system lay-up.**
* Preparing and maintaining **QA/QC documents** and **final test packages**.

**Projects Cover:**

* **Project**- PP13/PP14 Combined Cycle, Client - Saudi Electricity Company.
* **Project**- Yanbu Refinery, Client - Veolia Water Solution & Tech.
* **Project**- IBN Rushd 2, Client – SABIC
* **Project-** Shay-bah Combined Cycle Power Generation, Client - SEPCO. ,
* **Project** - Jizan Refinery & Terminal (EPC-9) Client - S K Engineering.
* **Project** – JIGCC Power Block (Package-4), Client- SEPCO Electrical Power Cons. Crop.
* **Project** – Rabigh Refining & Petrochemical, Client- Petro Rabigh.

**Industry Experience:**

* **QC Welding – Mechanical Inspector**, **Gulf Steel Works (4 Years) Country Saudi Arabia.**

 **Key Duties:**

* Interpretation of the intent and ensuring the requirements of codes, standards and specifications are met.
* Ensuring that a procedure is available, has been approved and is being employed in production.
* Witnessing the preparation of **test plates** and **destructive tests** and verifying compliance with appropriate standards and specifications.
* Verifying that adequate and **valid welder approvals** are available, and that only approved welders are used in production.
* Verifying **parent material** against documentation and markings.
* Verification of correctness of **welding consumables** (**electrodes, filler wires, consumable inserts, gases, fluxes** etc.)
* Verification that dimensions, fit-up and weld preparations are in accordance with specifications.
* Verification that any required **preheat** is in accordance with the specified procedure.
* Surveillance during welding to verify compliance with specified procedures including any **preheat, interpass temperature control** and **post heat requirements**.
* Assistance and agreement with the preparation of **Inspection and Test Plans (ITP’s)**
* Verification, when required that **post weld heat treatment** has been conducted in accordance with specification requirements.
* **Visual inspection** and **dimensional check** of completed weld metal against specification requirements and drawings.
* Evaluation of and preparation of **inspection reports** for the employer or the client.
* Maintenance of **records of inspections carried out**
* **QA/QC Engineer** **- Godrej & Boyce (2 years).**

 **Key Duties:**

* Reporting metrics and statistics on **quality related issues such as NCR**
* Verify that all quality related activities are in accordance with codes and standards
* Responsible for **preparing Quality Plan** that supports the project and clients’ requirements on quality.
* Assurance and quality control. Ensure that **non-conforming** project activities including potential non-conformances are identified and resolved through approved **quality procedures.**
* Provide independent **quality control audit** of **Client vendors/contractors** and **sub-contractor.**
* Ensure all Contractors’ QA/QC control measures and procedures are **documented**, **implemented.**
* Preparation of **NDT Plan**, **NDT Procedures** and related Documents with reference to Codes, standards and project specification.
* Responsible for all **field inspections** and **coordination of inspection activities** to ensure the **quality level**.
* Maintaining the **quality assurance records** and execution of periodic inspection on job.
* Controlling the activities of QC Inspectors/NDT coordinators and giving proper instructions to them.
* Ensure that the **QC inspection work proceeds** in accordance with **project quality plan**, **control procedures** and **inspection procedures**.
* Facing of **internal audits** as a **auditee,** ensuring **CA/PA compliance to NC’s**
* **QC Technician - QA-QC Inspector - M/S. Larsen and Toubro Ltd (7 Years)**

 **Key Duties:**

* Support daily, weekly and monthly quality testing, inspections and procedures.
* Initiate corrective actions to have final products with required specifications.
* Support Quality Control Manager to train associates on safety program to protect employees against harm.
* Report to QC Supervisor or QC Manager specific information related to product information from R&D, PPD, or production.
* Conduct quality calibrations, internal audits and project assignments in timely, safe and professional manner.
* Report results, issues and roadblocks to Quality Supervisor or Quality Manager.
* Convey any instrumentation issues to QC Supervisor for review and resolution. Report QC Supervisor or QC Manager of unusual product observations and analytical results while analyzing or sample handling.
* Comply with established quality, safety, and environmental procedures and policies.

**Skill Set**

* **CSWIP 3.1** Welding Inspection Course from TWI UK.
* IT- MS Office, Power Point, AutoCAD, SAP, Project Management & Welding Book.
* Research – Active Networking, Primary and Secondary Researches.

**Personal Skills:**

* Excellent Communication skills & team player.
* Self-confident and handling correspondence of responsible matters.
* Self-motivated and capable of initiating new ideas and self-learning.
* Willingness to use new technologies to the desired standard.

**Personal Information:**

Date of Birth: May 14 1990.

Place of Birth: Mumbai

Civil Status: Single

Passport No.: H 8605588

Date and Place of Issued: 10 May. 2020/Thane

**References:** Available Upon Request.