**PRABU PURUSHOTHAMAN**

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**QA/QC – CSWIP 3.1 Certified Inspector, ASNT Level – II & QMS 9001 - 2008 seeking assignments in Quality Assurance & Control / Inspection with an organization of repute in the Oil & Gas industry**

**PROFILE SUMMARY**

* Qualified **Engineering Diploma with** **nearly 15+ years** of rich experience in **Quality Assurance & Quality Control, Project Management, Testing, Piping, Welding & Steam tracing.**
* Skilled in Fabrication, Welding & Installation of various types of materials such as Carbon Steel, Alloy Steel, Stainless Steel, etc. used in different projects like Oil & Gas and Nuclear Power Plant
* Extensive experience in managing inspection activities, qualification of welding procedures and monitoring welding jobs
* Skilled in conducting welder performance qualification tests and maintaining qualified welders’ records
* Expertise in preparation & implementation of Inspection & Test Plan (ITP), project specific procedures and method statement for fabrication/welding/NDT procedures based on project requirements and international codes and standards
* Well versed with execution of activities related with onshore & cross-country pipeline including station piping, fit up, weld visual, field joint coating, foam infilling, holiday detection, peel test determination & HDU/ polyurethane coating
* Possess sound knowledge of various international codes API, ASTM, ASME, BSEN, AWS, SHELL DEP and ASNT; sound understanding of NDT Level - II in R.T, U.T, L.P.T & M.P.T
* Team player with excellent planning, analytical, coordination and communication skills

**CAREER RECORD**

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| --- | --- | --- | --- | --- | --- |
| Start Date  DD-MM-YYYY | End Date  DD-MM-YYYY | Employers | Designation | Projects worked | PMC / Client |
| 20-11-2019 | 31-05-2021 | **Saipem S.p.A**  (Saipem-Essar project JV) | Piping | Welding  QA/QC Inspector | Al-Zour Refinery Project, Kuwait  (**Tank Farms & Piping EPC#0059**)  Project Value – **1.57 billion USD** | Wood plc./ KIPIC |
| 04-07-2017 | 13-11-2019 | **Tecnicas Reunidas S.A**  (TR – Sinopec – Hanwha JV) | Piping | Equipment QA/QC Inspector | Al-Zour Refinery Project, Kuwait  (**Main Process Units**-**EPC#0055A**)  Project Value – **4.27 billion USD** | Wood plc./ KIPIC |
| 03-11-2014 | 31-05-2017 | **Daelim Industrial Co.,Ltd** | Welding QC Inspector | Sulphur Handling Facilities (Revamp & New) Project at MAA Refinery, Kuwait  Project Value – **517 million USD** | KNPC |
| 28-04-2012 | 02-11-2014 | **Daelim Industrial Co.,Ltd** | Welding QC Inspector | LPG Train-4 Project at MAA Refinery, Kuwait  Project Value – **900 million USD** | AMEC / KNPC |
| 30-03-2010 | 13-02-2012 | **Kharafi National KSC –**  (ABJ Fabrication Facility) | Mechanical QC Inspector | Fabrication of Pressure Vessel, Piping Modules & Piping. Kuwait | Saipem,Petrofac & Tecnimont / KOC,KNPC,Total E&P & GASCO |
| 17-11-2009 | 05-02-2010 | **Neo Structo Const. Ltd** | QA/QC Engineer | FRE Revamping (**Shutdown**) Project, Mumbai, India | EIL / HPCL |
| 01-01-2009 | 30-10-2009 | **Larsen & Toubro Ltd** (Secondment-Aarvi Encon) | Inspection Engineer | Mangala Processing Terminal Project, Barmer,India | Cairn Energy Plc. |
| 05-09-2007 | 31-12-2008 | **Larsen & Toubro Ltd** (Secondment-Aarvi Encon) | Inspection Engineer | Jamnagar Export Refinery Project, Jamnagar,India | Reliance Industries Ltd. |
| 07-06-2004 | 04-08-2007 | **Pana Erector’s** | Quality Supervisor | Kudankulam Atomic Power Project, India | Larsen & Toubro / NPCIL |

**Key Deliverables:**

**Project Management**

* Preparing Project Quality Plan and Inspection Procedure & Categorization Plan as per QA&I deliverables; examining the material receiving inspection report of incoming project materials and reviewing MTCs
* Identifying the non-conformances, addressing them in the Non-conformance report (NCR) and resolving them through preventive actions; maintaining the NCR logbook and following up to close NCRs; monitoring project activities & coordinating with various agencies to maintain targeted schedules; complete preparation & review of QAP, ITP, WPS and PQR

**Quality Assurance**

* Maintaining quality standards for incoming/ outgoing materials, ensuring stringent adherence to quality standards, norms & practices; conducting internal audits & external audits of Quality Management System.
* Working in close coordination in work groups for conducting process audits and conducting review and approval of quality plans and detailing on quality requirements and finalizing the quality plan

**Welding Inspection**

* Conducting the Welding Procedure Qualification & Welder Performance Qualification tests for different kinds of monitoring stage wise welding jobs including pre-heating, post heating & PWHT (Post Weld Heat Treatment) stages;
* Reviewing, witnessing & approving Procedure Qualification Record (PQR) for qualifying Welding Procedure Specification (WPS) as per project specification & ASME Sec. IX
* Keeping control over welding consumables storage, handling, baking and drying.
* Inspection of welding of various parent material (Similar & dissimilar) with same or dissimilar thickness; inspecting & monitoring joint edge preparation parameters, such as root face, root gap, bevel angle as per applicable WPS &approved drawings.
* Witnessing mechanical tests (Tensile, Bend, Hardness, Macro, Charpy V Notch) for qualification of PQR, new Welder qualification, renewal of Welder qualification and maintenance of qualified welder list
* Witnessing, reviewing & approving hardness test, PMI, ferrite determination, repair excavation, full removal of defect, NDE and rectification as per approved repair procedures
* Controlling weld parameters such as pre-heating, inter-pass temperature, Heat Input, inter-pass cleaning, post heating, gas purging and backing as per applicable WPS; monitoring, reviewing and approving of post heating and PWHT charts for cooling rate, heating rate and soaking period

**Piping Inspection**

* P&ID, GA Drawings and Isomeric for under and above ground piping’s, manholes & catch basins
* Pipes and Piping materials including proper storage, handling & internal cleaning of piping materials
* Fit up for shop spool fabrication as per Isometric drawing to ensure, orientation, dimension, rolling angle, material identification traceability and joint identification numbers
* Installation of flange joint for flange surface, appropriate gaskets and tightening/ toque and tensioning of flange Bolts; installation of valves
* Spool Releasing Check Sheet and site installation of shop fabricated spools
* Conducting Leak Testing involving:
* Identification, review & verification of test package, As-built drawing and test witnessing.
* Verification of detailed report at all inspections conducted at site and attached in test packages
* Conformance of piping system with flow diagram (P&ID) to verify completeness of system
* Checking of flow direction arrows on valves and ensuring installation of valves as per flow diagram
* Ensuring proper protection of piping & fitting and verifying proper size & schedule of pipe, rating of flange, proper flange face and fittings; verifying calibration status of gauge, PSV and test related equipment prior to test
* Checking punch listing items as per P &ID and Isometrics such as Pipe Supports, Valves, Guides, Shoe Supports & NDT Completion
* Witnessing Hydrostatic Testing, Gravity, Pneumatic Testing and Flushing after Hydro Testing
* Reviewing Spool Releasing Check Sheet and sending to sites after approving; also reviewing the final package of Hydro Test, approving & releasing for Hydro Test

**Mechanical Inspection - Storage Tank & Pressure Vessel**

* Executes the specific inspections on materials, equipment’s and construction/installation activities on site.
* Issues the relevant Quality Records and, when necessary, writes and sends to QC Supervisor NCR reports.
* Controls equipment installation, alignment and levelling
* Performs functional checks and mechanical completion checks (Pressure and atmospheric vessel)
* Trays inspection (dimensional check, water tightness test).
* Checks of level ness, position, orientation, anchor bolts, conduits, etc. of tanks foundation
* Performs hydrostatic test of tank and measurement of pad settlement.
* Storages tank internal inspection.
* Performs punch-listing operations.
* Verify special processes and the relevant workers’ qualifications.
* Witness the tests, controls and inspections, guarantee inspection status control for parts of the plant within his area of responsibility, authorizing their acceptance at quality control completion, obtain the relevant documentation and ensure the correct implementation of the approved Inspection Test Plan according to Client’s requirements.

**NDT Testing**

* Witnessing & inspecting Magnetic Particle Testing, Penetrant Testing and Radiography of Welding Joints
* Undertaking interpretation of radiography films; tracking performance of UT thickness gauge
* Analyzing subcontractors’ weekly NDT Backlog reports and monitoring performance of NDT crew

**Steam Tracing Inspection**

* Executes the specific inspections on steam tracing materials for construction/installation activities on site.
* Review & approval of ITP, MOS, Procedure for steam tracing activity.
* Inspection Co-ordination with manifold fabrication @ Vendor shop.
* Tracer Visual inspection after installation with process piping, Valve, Instruments etc., as per PIP PNSC0035.
* Review the Pneumatic leak test and Continuity test packages.
* Perform the walkdown before leak test inspection.
* Witnessing Leak test & Continuity test inspection.
* Co-ordination with Engg. Dept related query.
* More than 2500 no’s manifolds inspection & tested for the units like CDU, ARDS, KHT, NHT, DHT & SGP.

**Documentation**

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| --- | --- |
| * Material Receiving Inspection (MRIR) | * Calibration Certificates for instruments and equipment’s. |
| * Welder Performance qualification Records (WPQR) | * Audit Documents, NCR, PDN and CAR Reports. |
| * Qualified Welders List (QWL). | * Weekly/monthly welding status report. |
| * Daily weld and Visual inspection record and log (DWR) | * Status of Defect Rates. |
| * Trainings Records | * Test Package maintenance. |

* Preparation and maintenance inspection records and report.
* Preparation of final hand over dossier. Manufacture record Book (MRB)

**CERTIFICATIONS**

* **CSWIP 3.1** Welding Inspector Certification No.: 64189/2; Valid Till: April 2022
* **QMS Auditor / Lead Auditor Training Course** (Based onISO 9001: 2008)
* **ASNT- II**: Radiography Testing, Radiographic Film Interpretation, Magnetic Particle Testing, Liquid Penetrant Testing and Ultra Sonic Testing

**EDUCATION**

* Diploma in **Mechanical** Engineering from Sri Venkatachalapathy polytechnic collage with first class in **April-2004**

**SAFETY AND OTHER TRAINNIGS ATTENDED**

* Confined Space Training and Fall Protection Trainings by KNPC.
* Elementary First Aid (EFA)
* Personal Safety & Social Responsibilities (PSSR)
* Personal Survival Techniques (PST)
* Fire Prevention & Fire Fighting (FPFF)

**IT SKILLS**

* Microsoft Office and AutoCAD.
* Tracking & Control of Welding and NDE Inspection records with Advance Weld Tracking Software (Previously used **ERP** by Kharafi National, **CIMS** by Daelim E&C, **PCA** by Tecnicas Reunidas S.A & **WITS** by Saipem Spa).

**PERSONAL DETAILS**

Date of Birth : 25th December 1985

Permanent Address : 45, North St, Mugundanallur, Vridhachalam, Cuddalore Dist. - 606302, Tamil Nadu, India

Languages Known : Tamil, English & Hindi

Passport Details : No. **L 9758861** (Valid till July 2024); Place of Issue: Kuwait

Availability : **15 days**

**REFERENCE**

**Saipem S.p.A**

1. Mohamed Badawy Magdy (Site QA/QC Manager) - [magdy.badawy@saipem.com](mailto:magdy.badawy@saipem.com)

**Tecnicas reunidas S.A**

1. Angel del Rio Gaztelurrutia’ (Site QA/QC Manager) - [adelrio@tecnicasreunidas.es](mailto:adelrio@tecnicasreunidas.es)
2. Miguel Gonzalez Formadela (Deputy QA/QC Manager) - [mgformadela@tecnicasreunidas.es](mailto:mgformadela@tecnicasreunidas.es)

**Daelim E&C**

1. Baek, Seung-Hwa (QA/QC Manager) - [20140522@daelim.co.kr](mailto:20140522@daelim.co.kr)

**Kharafi National – ABJ Facility**

1. Vikram Kunjibettu (Project QA/QC Manager) - [vikram.kunjibettu@abjengineering.com](mailto:vikram.kunjibettu@abjengineering.com)

**DECLARATION**

I acknowledge that the information given above is true and correct to the best of my knowledge.

(Prabu Purushothaman)