



S. Rajeshwaran
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S. Rajeshwaran

Profession: 19 years' Experience as a Sr. QA/QC Inspector Welding

Full Name	: S. Rajeshwaran	Nationality	: Indian
Year of Birth	: 10/11/1980	Passport No	: M 2256096
Sex	: Male	Date of Expiry	: 29-09-2024
Languages	: English, Hindi & Tamil.	Place of Issue	: Dubai

Profile/Career Objective:

A challenging determined with good communication skill and ready to work both independently and a member of a TEAM, utilizing the skills acquired during my trade and experience and also a career in Engineering position which can provides opportunities for personal & professional skill development as well as to contribute the organizations effectiveness in order to take the company to the top position wherever I work by utilizing my experience to meet the challenges ahead with the best of my perform & confidence, looking forward for the real fastness challenges and possibilities that will advance my carrier goals and uplift the firm and upgrade myself. Strong technical and problem-solving skills.

Summary of Experience:

Having **19 years** good knowledge and field experience in ASME, API 510/570/653 & Welding Codes. ASME II, ASME V, ASME VIII div 1 & div 2, ASME IX, AWS D 1.1, AWS D1.2, ASME B 31.3, ASME B31.1, API 1104, API 650, API 620, API 653 Above ground Oil storage tanks & Refurbishment Tank, Boiler Erection and Skid assemblies plant Piping, pipe spools, Pressure vessels & also in Heavy Fabrication Structural, in the field of Welding/ Painting Inspection (In-service) / NDT activities. Familiar in Construction / Maintenance Process Plant Piping and onshore/offshore marine vessels & Nuclear power construction. In service inspection of static equipment's such as Pressure Vessels, Atmospheric tanks, Mounded bullet tanks, Heat Exchanger, Heaters, Columns & Pipelines of Oil & Gas fields & also in Heat treatment, destructive & witnessing NDE testing with latest inspection equipment's.

Educational/Professional Qualification:

- DIPLOMA IN MECHANICAL ENGINEERING.
- CSWIP 3.1. CERTIFIED SCHEME FOR WELDING INSPECTOR PERSONNEL, CER NO: 47617.
- PCN Level II NDT Certification in MT. CER NO. 306978.
- ASNT Level II NDT Certification in (RT with RTFI, UT with TKY, MT & PT).
- IRATA Level I - Rope Access.
- BOSIET - H₂S & BREATHING, SEA SURVIVAL & HUET, FIRE FIGHTING.
- PTW - Permit to Work (ADMA & ZADCO Offshore). ZWSC & ACPT.
- AUTOCAD

Career Highlights:

PERIOD	POSITION	COMPANY	CLIENT	PLACE
Jan 2019 - Still Now (ATMOSPHERIC TANKS & MOUNDED BULLET TANKS)	Sr QC INSPECTOR WELDING	CTL - CHEMIE TECH DMCC BR FZE	DANGOTE / EIL (TPI)	Nigeria
Mar 2018–Sep 2018	TPI – Welding Inspector	EIL - Emirates Industrial Laboratory	DAR / CBEME Dubai Airport	UAE
Aug 2016– Mar 2018	TPI – Welding Inspector	EIL	DAR / CBEME AlMaktoum J.AliAirport	UAE
May 2015– Aug 2016	TPI – Welding Inspector	EIL	DAR/ALNABOODAH / EVERSENDAL	UAE
Jan 2015 – May 2015	TPI – Welding Inspector	EIL	Saudi Lebanese Tarouk Cont. Co. / EBS	KSA – UAE
Sep 2014 – Jan 2015 (ZIRKU Is-Land)	TPI – Welding Inspector	EIL	CB&I / ZADCO	UAE
Feb 2014 – Sep 2014	TPI – Welding Inspector	EIL	DAR/SIEMENS / UNGER STEEL	UAE
Dec 2013 – Feb 2014 (ZADCO Offshore) ACPT	TPI – Welding Inspector	EIL	ZADCO - ACPT	UAE
Aug 2013 – Dec 2013 (ADMA Offshore) ZWSC	TPI – Welding Inspector	EIL	ADMA – ZWSC - ZCSC	UAE
May 2013 – Aug 2013 (ZIRKU Is-Land)	TPI – Welding Inspector	EIL	CB&I / ZADCO	UAE
Apr 2012 – May 2013	TPI – Welding Inspector	EIL	CBEME	UAE
Aug 2011 – Apr 2012 (ZIRKU Is-Land)	TPI – Welding Inspector	EIL	CB&I / ZADCO	UAE
May 2011 – Aug 2011	TPI – Welding Inspector	EIL	ASSENT	UAE
Jan 2011 – Apr 2011 (ZADCO Offshore) ACPT	Site Coordinator	EIL	ZADCO - ACPT	UAE
Aug 2010 – Jan 2011	TPI – Welding Inspector	EIL	ALI MOOSA	UAE
Jul 2010 – Aug 2010	TPI – Welding Inspector	EIL	DWD / SAIPEM	UAE
Jun 2010 – Jul 2010	NDT Inspector - IRATA	EIL	DDWD / LNG	UAE
Oct 2009 – Jun 2010	PCN Inspector	EIL	CBEME	UAE
Nov 2008 – Oct 2009	TPI – Welding Inspector	EIL	AL REYAMI	UAE
Sep 2008 – Nov 2008	TPI – Welding Inspector	EIL	BLUE STEEL	UAE
Mar 2008 – Sep 2008	TPI – Welding Inspector	EIL	KWIK STEEL	UAE

Jan 2008 – Mar 2008	TPI – Welding Inspector	EIL	AL REYAMI	UAE
Dec 2007 – Jan 2008 (Fujairah Offshore)	NDT Coordinator	EIL	LLOYDS	UAE
Jul 2007 – Dec 2007	TPI – Welding Inspector	EIL	CBEME	UAE
Jun 2007 – Jul 2007	Sr. NDT Inspector	EIL	MARGAM	UAE
Feb 2007 – Jun 2007 (AKER, FPSO & FSO)	NDT Coordinator	EIL	DDWD	UAE
Nov 2006 – Feb 2007 (Cross country Pipeline)	Site In-Charge	IXAAR	PUNJ LLOYD	INDIA
Oct 2006 – Nov 2006	NDT Coordinator	IXAAR	IFFCO	INDIA
Jan 2006 – Oct 2006	NDT Inspector	IXAAR	L & T (Powai)	INDIA
Sep 2005 – Jan 2006 (Cross country Pipeline)	Site In-Charge	IXAAR	L & T	INDIA
May 2005 – Sep 2005 (Shut down)	Site In-Charge	IXAAR	NTPC	INDIA
Feb 2004 – May 2005 (Nuclear Power Plant)	NDT Coordinator	IXAAR	NPCIL	INDIA
Dec 2003 – Feb 2004	Site In-Charge	IXAAR	BPCL	INDIA
Oct 2003 – Dec 2003 (Tirupathi – AP. LNG piping & vessel)	NDT Inspector	IXAAR	BANU FABRICATION	INDIA
Mar 2003 – Oct 2003	NDT Inspector	IXAAR	TNPL	INDIA
Aug 2002 – Mar 2003	NDT Inspector	IXAAR	MFL	INDIA
Nov 2001 – Aug 2002	NDT Inspector	IXAAR	IOCL	INDIA
May 2001 – Nov 2001	NDT Inspector	IXAAR	ETPS	INDIA

Expertise & Exposure:

Shutdown Experience:

- More than 30 shutdowns attended with different clients Margam, ADMA offshore, ZADCO Offshore, Fujairah refinery plant (UAE) & Thermal power projects (INDIA).

Professional Experience:

Responsibilities:

- Inspecting plant stationary equipment, including pressure vessels, columns, drums, heat exchangers, boilers, coolers, Mounded bullet tanks, Atmospheric tanks, and valves and piping systems throughout the plant. Preparation of inspection reports as per client format Reviewing/Witnessing/Carry out examination and testing at all identified stages of repairs and modification.
- Involved in inspection of Atmospheric tanks, Furnace, Vessels, Column, Air Fin Coolers, Reactors, Re Generators, Chambers, Boilers, Heat Exchanger and Atmospheric Tanks.
- Carrying out welding inspection in accordance with codes and standards.
- Having Thorough Knowledge in Isometric Drawing to perform the work activities as per the Drawing.
- Review of technical specifications, drawing, procedures, and standard requirements
- Carry out in-process inspection as per the ITP.
- Conducting Welder Qualifications, carry out Material Inspections.
- Prepare material and weld traceability records (Structural & Piping).
- Preparing final dossier for document submission (MDR) as per project requirements.
- Carry out piping fit-up and visual Inspections.
- Coordination with all QA/QC Personnel and planning of inspection activities.
- Review all special inspection and material testing perform by third parties.
- To assist in coaching the junior QC Inspectors towards their work and job knowledge enhancements.
- Co-ordinate with Sub-Contractors, vendors, Client and Third party for inspection.
- Review Project Weld drawing, weld and NDT map and welding Procedure Specification.
- Preparation and review of Method statement for construction, inspection & Testing.
- Responsible for the co-ordination and monitoring of all work that requires internal department input e.g., Quality plans, Inspection & Test plans, and Reporting to the Quality Manager.
- Incoming material inspections, thickness verification, Physical condition, Batch number and storage of materials, document verification against Client specification drawings and standards.
- Control of distortion and shrinkage on structures and plates during welding.
- Control of distortion joints Vertical, Horizontal & Nozzle during welding.

- Carry out PMI for different materials and check with grade values.
- Working Experience and Fundamental knowledge about international Codes such as ASME-Sec-II, Sec-V, Sec-VIII div 1&2, Sec-IX, B 31.3, ASTM, API-650, API 620, API 653, AWS D1.1.
- Study of scope of work, contract company specifications and standards & perform the work in compliance to the specified requirements.
- Manage project quality to ensure compliance to codes, standards, regulations, equipment specifications & QMS requirements.
- Conducting inspection as per approved drawings, Specifications and Codes & standards.
- GA Drawings interpretation & marine piping system.
- Daily surveillance and walk about with contractor and monitor the fabrication.
- Review the project MDR documents.
- Conducting Technical Toolbox meeting with contractors.
- Check Static/Rotating equipment arrive at site shall have each equipment Tag number and Name plate.
- Monitoring calibration status of welding machine, inspection testing tools and pressure gauges.
- Witness Mechanical test (Tensile test, Bend test, Impact test, Hardness test, G48 Corrosion test, Macro & Microstructures etc.,) conducted for PQR & WQT. Ferrite test & PMI Positive material identification test conduct for fabricated parts.
- PWHT joints, witness PWHT and review PWHT charts.
- Attends to off-site field inspection of pre- fabrication of piping spools, blasting & painting of components & manufacturing of pressure vessel
- Painting attest to surface preparation, painting, pre-commissioning activities, hydro testing, leak testing, purity testing, flushing etc.....
- Monthly reporting on Project Quality Progress to project Quality Manager.
- Engage in field quality with the objective of “Right first time” reducing final punch list (Quantities & Severities)
- Preparing Weld Metal consumption calculations for special welding consumables. Raising purchase indent with Technical delivery condition for special welding consumables. Monitoring stores and shop floor for proper usage of filler metals. Preparing and Monitoring of backing, holding temperature and time of filler metals as per manufacturer recommendation.
- Above ground oil storage tanks Fabrication, Jacking - Erection, and inspection. PMC/Clients walk through with operation team.

- Structure fabrication, erection, and inspections.
- Fit-up & Visual inspection (Dimensional check, Alignment, Weld visual) of pipe spools (CS, SS, Duplex SS, Super Duplex SS, Cu-Ni, GRE) and pipe support as per piping Isometric drawing (weld map) at fabrication and Installation.
- Check Dimensional, Material inspection, PWHT, Hydro, Box-up, punch points, final walk troughs etc., Usage of Inspection, Measuring and Testing Equipment
- Strong practical knowledge and skill on interpretation Welding defects, weld and WPS parameters.
- Process Piping fabrication of spools, erection, and field joint fit up and welding inspections.
- Follow up Material inspection, welding inspection, NDT reports, maintaining calibration certificate review, RT film interpretation, IMIR, WPS, PQR, WQT.
- Follows up in the resolution of SOR/EOR/NCR clients to project quality manager and assist with close out relevant to his discipline and area, expedite for implementation of corrective and preventive actions.
- Conduct welder qualification as per ASME Sec IX and prepare as run data sheet for procedure and performance qualifications.
- Arranging welder performance qualification test and inspection of test coupons as per ASME Sec IX.
- Incoming Material Inspection as per Code & Standard, physical condition, and PMI inspections.
- Incoming material inspection of Plates, Pipes, Flanges, Pipe fittings, Gasket, Channels, Fasteners etc. according to packing list, Inspection report IR, Inspection release note IRN and MTC. Prepare IMIR.
- Preparation of Initial QC documents (Project quality plans, QAP, ITP, WPS, PQR, Construction & commissioning procedure like RT, MPT, DPT, UT. Tank bottom plate, Annular plate, Erection of shell, Shell Jacking, Nozzle open marking shell & roof, RF pad testing, Vacuum box testing, Oil chalk test, water fill testing, Hammer testing (zigzag), Welding sequence of bottom plate, AG & UG piping, wrapping coating, Blasting/Painting Insulation procedure etc.)
- Strong leadership, coordination, and interface skills.
- Checks that only agreed consumables, tools and test equipment are properly used preserved, maintained, and provided with valid certificates.
- Daily signs welding, dimensional control, or inspection reports from Contractor on behalf of COMPANY and maintains a register / file copy.
- Attend stage wise witness and hold points as per approved ITP. Raise request for Inspection (RFI) as Per Inspection Test plan (ITP)
- Fit-up inspection of piping spool, structural support, Annular plates, sump, shell plates/nozzle, Roof plates/nozzle, top/bottom deck plates as per approved IFC Drawings.

- Verify welder qualification, preheat requirements, wind shield and electrode/filler wire are correct as per approved WPS before welding.
- Conduct everyday Toolbox meeting for welders.
- Monitoring everyday backing and holding of low hydrogen electrode as per project specification or manufacturer recommendation and review backing and issuance record.
- Ensure consumable are stored as per approved consumable storage procedure.
- Monitor and record oxygen level in back purging during welding of stainless steel and Alloy steel.
- Maintain calibration record of welding unite, heating oven, quivers, and NDT equipment's.
- Coordinate with TPI/Client agencies for NDT task.
- Check the orifice flange for root grinding and witness root dye penetrant testing.
- Making root cause analysis of welding defect and take corrective and preventive action.
- Witness performance qualification test on welding operators and welders.
- Witness of final alignment, levelness, and bolt tightening by torque value.
- Monitoring relative humidity and temperature of consumable storage and prepare record.
- Monitor daily welding activity, preheat, inter pass temperature and visual inspection of welded joints.
- Stage inspection as per project ITP, Conducting Peaking & Banding inspection, Roundness inspection, Plumpness inspection and OCF measurement. for each shell before and after welding for Tanks, fit up, weld visual inspections, testing such as pressure test.
- Conducting Roof Nozzle open marking, apply heat the location if its fouling inside the structure's main rafters, checking cord length, Orientation, Radius & Size. Shell Nozzle open marking check Orientation (Degree), Elevation & Size (Día). Welding visual before & after PWHT and MPI
- Involved Inspection single deck cone roof, External / Internal floating roof & Doom roof.
- Witnessing in NDT methods- (DPT, MPI, RT, UT, VT)
- Tank Inspecting Bottom & Annular plate the weld fit-up of joints prior to root pass & visual inspection of final weld, conducting penetrate test & Vacuum test on welding joints.
- Inspection on above ground tanks such as, material inspection heat numbers, item numbers against detailed drawings, dimensions, fit up and weld visual of Annular plates, Bottom plates, Shell plates, Roof plates and Roof & deck accessories, Shell, Roof and Deck nozzles and tank structures, Peaking, Banding Plumbing, Roundness, OCF inspections against drawings and Welder identifications on joints. Preparing and witnessing tests such as vacuum box test, oil penetrating test, pneumatic test, roof floatation test, puncture test, hydrostatic test as per approved procedures.

- Inspections on structure fabrication and erection such as layout and dimensions of Rafters, girders, fit up and weld visuals based on approved detailed drawings. Checking of straightness of structure members, correctness of location & orientation of bracing, gusset plates, lugs, rafters and girders and its alignment, reviewing of splicing details as per approved drawings NDT requirements on welded joints based on specification and standards.
- Fouling Nozzle make FCN. Orientation change Old and New, Radius as per same.
- Inspections on Piping fabrication and Erection such as dimension, fit up and shop & field welding inspections as per approved isometric drawing, maintain line history sheets, witnessing pressure tests, RF pad pneumatic tests, hydro test, conducting NDT requirements as per specification and standards, MITRE dimensions inspections.
- Witnessing of Back chipping and back gouging of butt joints.
- Coordination of inspection activities with reference to Project inspection requirements, review, and acceptance of the following: Contractor Quality System requirements, Weld test centers, NDT testing agencies, Construction procedures, Painting and coating procedures, hydro testing/ pneumatic test procedures / packages, and Quality Related Procedures like NDT procedures, welding Procedure specifications.
- Witness of inspection activities, related to materials, welding, painting / coating, hydrostatic testing/Pneumatic testing, Surveillance & regular Inspection results, proactive notifications, and violations.
- Control and storage of welding consumable, painting consumable and raw materials.
- Review of NDT reports and Witness of NDT Inspections. Hydro testing of Piping system, Tanks, and pressure tests.
- Tank Hydro test hold 25%, 50%, 75% & 100% settlement check all levels.
- Witnessing the Qualification of the PQR's and supervising the process to TPA.
- Preparing As built drawings for the systems such tanks, piping, and structure.
- Preparation of documentations relevant to client requirements.
- Coordination of Tank calibration with client.
- Preparing Weld map Annular, shell plates & RT location.
- Preparation dossier for Pre-commissioning and Commissioning
- Preparing and establishment of WPS, PQR, WQT's of SMAW, SAW, GTAW, FCAW process & inspection of welding visual.
- Preheat temperature, inter pass temperature, and post weld heat treatment displayed at working station.

- WPS displayed at workstation & maintain Electrode register with color coding.
- Welding machines are in safe and suitable for job.
- Check the calibration of equipment/Machines/measuring instruments.
- Check the welding Consumables & maintain them to use as per WPS.
- Verify welder qualifications records with identification & range of approval etc. are being used for welding as applicable.
- Allocate the job for welders on production line.
- Monitor and inspect the welding process / Technique.
- Check the welding parameters and control as per requirement of WPS and applicable Code. Prepare Parameters record on Daily basis.
- Inspect the welding follows WPS, Drawing requirement and applicable code.
- Monitor shell nozzle neck seal weld DPT, vacuum box test for tank bottom lap joints & Annular plates.
- Report to the manager any non-conformance or violation from company standards, specifications, and drawings.
- Prepare highlights, logbook register entries and inspection progress report. Co-ordinate with client representatives.
- Witness WPS qualification test, Mechanical destructive test.
- Monitor welding variable during production welding and check welder quiver at regular interval during surveillance inspection.
- Follow up proper welding booth for pipe welding.
- Daily witness NDT activities like Positive material identification PMI, DPT, MPT & Manual UT. NDE reports and monitors, instructs and corrects.
- Oversee contractor dimensional control activities from piece cutting till full jacket and TDD dimensional control.
- Blasting & Painting Inspection (Painting PQT, Surface profile inspection, Salt Contamination test, pull off test, Tooke Test, dust test, DFT, WFT and X cut test)
- Check the Coupling/Lamination joins of GRP piping.
- Witness pneumatic test for reinforcing pad & chock test (Oil penetrant leak test) for storage tanks.
- Check plumbness, Roundness, Peaking and Banding of storage tanks.
- Check heat treatment charts (stress relieve, annealing, normalizing) for carbon and alloy steels. Shell nozzle plates and knuckle plates.

- Interpret radiography films and reports.
- Motivating & leading a team of QA technicians and welders.
- Prepare LHS, fit-up, welding, and piping hydrotest.
- Conduct & organize QMS Internal / External audit & ensure closure.
- Coordinate test pack preparation & final handover.
- Lead root cause, corrective and preventive action investigations and follow up as required.
- Perform Visual inspection prior to transfer the member for cleaning and Painting.
- Prepare LHS for piping fit-up, welding, hydrotest report.
- Closing NCR/OQA and conduct toolbox talk aware for that subject.
- Construction Progress S-Curves for Monitoring on Weekly / Monthly Basis
- Micro Plan for Progress Monitoring
- Daily / Weekly / Monthly Progress Report & Backlog Analysis / Productivity Report
- Monthly Plan for Execution based on Feasibility.
- Pictorial Progress Tracking
- Participate in project meetings and discussions with the client as required.
- Prepared Monthly report reflecting work progress summary.
- Fluency in preparing and writing technical reports, Expediting, and reporting progress.
- Ensure all the documents are kept updated and are traceable.
- Underground/buried piping inspection and monitor NDT activity.
- Witness line hydro test verify for the compliance of testing equipment like testing manifolds, pressure gauges, test recorders, relief valves testing blinds test pump and approved test fluid and flushing before and after pressure test.
- Review of final data dossier submitted by the contractor.
- Materials Involved – Plate & pipe materials: ASTM A53Gr A/B, A106 Gr A/B/C, A333 Gr 1/6, ASTM A312 TP304/304L, P316/316L, SAE 440, 440B, 440C, 301, 304L, 304LN, 304H, A36, ASTM A515 Steel Gr70, SA516 Gr 70, SA537 CL 1, SA283 Gr C.
- Welding Process used SMAW, GTAW, GMAW, SAW, FCAW and Automatic SAW welding.
- Codes and standards involved – ASME Sec II, III, V, VIII Div. 1&2, API 620, 650, API 653, API 570, ASME B31.1, B31.3, TO 31.8, B16.5, B16.20, 21, API 1104.

Personal Details:

Date of Birth : 10 November 1980
Permanent Address : 60D / 13 Kottavilapatti, South Street,
Vickiramasingapuram (Post), Ambai (TK),
Tirunelveli (District), Tamil Nadu (State),
India - 627 425.

Declaration:

My ambition is to associate myself with progressive and professional organization and willing to work in an environment. This is stimulating and gives me a good career growth. On my part I shall be self-motivated and will try to achieve the organization goals through better conduct.

Place: Lekki - Nigeria.
Date : 03/01/2022

S. Rajeshwaran