

**PATEL HIRENKUMAR CHHABILDAS****ADDRESS:** RAM-KRISHANA

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GUJARAT (INDIA)

Contact Details

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12 years in oil & gas onshore/offshore projects involve offshore- Subsea manifolds, spools & jumpers, Pig Launcher, Pig Receiver, Riser tower quad, tri and string pipelines, double joints for gas export and water injection pipelines, pipe in pipe swage welds and URTA & LRTA structures, buoyancy tanks/ suction piles/ ILT/FLET/SIV. Onshore-refineries, petrochemical, LNG gas plant as a QA/QC Supervisor.

❖ EDUCATIONAL QUALIFICATION

Diploma in Mechanical Engineering

❖ PROFESSIONAL QUALIFICATION

- ❑ CSWIP 3.1 Welding Inspector Level-2 (TWI)
Certificate No.: 398298
- ❑ American Society of Non-destructive Testing (ASNT Level – II)
Radiography Testing
Ultrasonic Testing
Magnetic Particle Testing
Liquid Penetrant Testing

❖ COMPANY TRAINING

Positive Material Testing Inspector (PMI)
Ferrite Testing
Hardness Testing

❖ IT/COMPUTER SKILLS KNOWLEDGE

- MS-Office

❖ WORK EXPERIENCE AND RESPONSIBILITIES**❑ QC TECH SERVICES,SURAT - October 2017 to Till Date****Client. : NTPC, Gujarat Gas on the behalf of QC Tech****Scope of work & Responsibility: QC Engineer(Welding , Pressure Vessel, Piping Spools & Tubing)**

- ❖ Traceability based on heat/ lot number for pipe/ plate (verify using Material Receiving Report (MRR)/ Delivery note) And also visual acceptance to standards.
- ❖ RT requirement as per Joint wise, Welder wise, Line class wise on a weekly basis.
- ❖ Verifying and controlling welding consumables received as per lot number.
- ❖ Preparing breakdown reports, remarks and equipment history. Taking stringent quality measures including preparation / maintenance of necessary documents and conducting audits to ensure compliance with standards.
- ❖ PMI check, Ferrite check, vent holes, bolt torqueing, electrical continuity.
- ❖ Interfaced with clients and resolved all Quality related matters.
- ❖ QC Inspector for piping spool fabrication responsible for PQR & WPS Qualification, Welder Qualification.
- ❖ RAW Material inspection, witness mechanical & testing.
- ❖ Review drawings & WPS, Perform inspection according to ITP.
- ❖ Monitoring storage and issue record of welding consumables.
- ❖ Fit up and Dimensional control inspection and maintaining material traceability.
- ❖ Monitoring welding parameters and preheating, interpass temperature & interpass cleaning.
- ❖ Weld visual inspection and NDT Coordination & PWHT Monitoring.
- ❖ Hardness testing, PMI testing, and Ferrite testing.
- ❖ Preparation of weld history sheets and NDT clearance for testing and Painting.
- ❖ Hydro & pneumatic testing witness.
- ❖ Coordination with clients for welding & NDT and testing inspections.

- ❖ Open and Closing NCRs, Corrective actions and observations, Final Inspection Release note.

❑ **Aveon Offshore Limited, Nigeria - May 2015 to September 2017**

- ❖ **Project associated : Egina SPS**
- ❖ **Client : Total E&P Ltd**
- ❖ **Contractor : FMC Technologies/ Aveon Offshore Limited**
- ❖ **Scope of work & Responsibilities: QC Supervisor (Welding ,Subsea manifold Piping &Tubing)**
- ❖ **Egina Project Subsea Production System (SPS) Equipment; that include**

6 Manifolds
6 Manifold Support Structures (MSS)
6 Closed Caisson Foundations (CCF)
16 UTA Modules & Foundations
5 SDU Modules & Foundations
2 Pig Loop Modules
21 Multibore Production Well Jumpers
44 Permanent Guide Base (PGB)
44 Gas Mat Weldment
33 X-Trees

- ❖ Preparing and Review of MDR and data books for Sub Sea Structures
- ❖ Pre-heating activities as per project specification.
- ❖ PWHT activities for carbon steel and alloy steel as per project specification.
- ❖ Hardness check of carbon steel and alloy steel material after PWHT completion.
- ❖ Traceability based on heat/ lot number for pipe/ plate (verify using Material Receiving Report (MRR)/ Delivery note) And also visual acceptance to standards.
- ❖ RT requirement as per Joint wise, Welder wise, Line class wise on a weekly basis.
- ❖ Verifying and controlling welding consumables received as per lot number.
- ❖ Preparing breakdown reports, remarks and equipment history. Taking stringent quality measures including preparation / maintenance of necessary documents and conducting audits to ensure compliance with standards.
- ❖ PMI check, Ferrite check, vent holes, bolt torquing, electrical continuity.
- ❖ Interfaced with clients and resolved all Quality related matters.
- ❖ After Welding, check proper parameters as per post- Weld checklist
- ❖ Co-ordinate dimension checks before and after Welding as per special Requirements
- ❖ Possess an excellent working knowledge of welding codes and interpretation of same.
- ❖ Review of the welder qualification test report
- ❖ Make reports and update inspection summary
- ❖ Witnessed NDT and review the NDT test report
- ❖ Carried out Raw material inspection, verification of the mill certificates
- ❖ Prepare Weekly welder Repair rate reports and monitoring reports
- ❖ Prepare Weekly Welder's Repair Assessment & Tracer Welds.
- ❖ Conversant with Quality Assurance techniques NDE { UT,RT,MT & PT}

- ❖ **Project associated : OSO-RH GASLIFT PROJECT**
- ❖ **Client : EXXON MOBIL**
- ❖ **Contractor : Aveon Offshore Limited**

Scope of work & Responsibilities: QC Inspector Welding for Fabrication of OSO RH Spools for Gaslift Including piping metals Duplex, and Structures CS.

- ❖ QC Inspector responsible structural, piping, Tubing & pipeline works.
- ❖ Witness and monitoring of PQR, WPS and Welder Qualification.
- ❖ Review & Preform inspection according to approved ITP, drawings & procedures method statements.
- ❖ Raw material inspection, marking & cutting inspection as per the approved drawings.
- ❖ Fit up inspection, dimensions check & preheating check, welding consumables check, machine calibration check prior to welding.
- ❖ During welding check interpass temperature, waving, interpass cleaning, maintaining welding parameters.
- ❖ After welding weld visual inspection, NDT coordination.
- ❖ PMI check, Ferrite check, vent holes, bolt torquing, electrical continuity.
- ❖ Test pack line check, FAT & Painting release.
- ❖ Preparing & maintaining all the inspection reports and records for final project documentation.
- ❖ Open and Closing NCRs, Corrective actions and observations, Final Inspection Release note.

- ❖ Coordination with clients for welding & NDT and testing inspections.

❑ **Subsea7 Acergy Sonamet, Lobito Yard. Angola - July 2012 to May 2015**

Project associated: Clov Surf / Clov Subsea SPS

Client : Total E&P Ltd

Contractor : Subsea7/ FMC Technologies/ Sonamet Industrial S A

Scope of work & Responsibilities: QC Inspector Welding for Piping & Pipeline including Spools & Jumpers, Riser Tower Quad, Tri and String Pipelines, Double Joints for Gas Export and Water Injection pipelines, Pipe in Pipe Swage welds, Cladding. Structures including Suction Piles/ ILT/FLET/SIV, URTA & LRTA structures, Buoyancy Tanks, Midwater Arches.

Subsea Manifolds including Piping Super Duplex, Duplex, SS, Inconel, & CS, Structures including Bottom Frame, Top Frame, Manifolds supports structures and Suction piles.

Project associated: Kizomba Satellites Phase-2

Client : Exxon Mobil

Contractor : GE/ Sonamet Industrial S A

Scope of work & Responsibilities: QC Inspector Welding for Production Manifolds, Water Injection Manifolds, Suction Piles, Mud Mats, metering Bridge, metering module, Pigging loops, Metering loop. Including piping metals Super Duplex, Inconel, SS, CS and Structures.

Project associated: Block 31 Gas Export System (GES)

Client : BP

Contractor : Subsea7/ Sonamet Industrial S A

Scope of work & Responsibilities: QC Inspector Welding for Dewatering Pig Launcher – PLEM 31, Dewatering Pig Receiver – PLEM 15C, Protection Structure, suction piles, Grillage Sea fastening and Installation Aids. Including piping metals Inconel & CS.

- ❖ QC Inspector responsible structural, piping & pipeline works.
- ❖ Witness and monitoring of PQR, WPS and Welder Qualification.
- ❖ Review & Preform inspection according to approved ITP, drawings & procedures method statements.
- ❖ Raw material inspection, marking & cutting inspection as per the approved drawings.
- ❖ Fit up inspection, dimensions check & preheating check, welding consumables check, machine calibration check prior to welding.
- ❖ During welding check interpass temperature, waving, interpass cleaning, maintaining welding parameters.
- ❖ After welding weld visual inspection, NDT coordination.
- ❖ PMI check, Ferrite check, vent holes, bolt torqueing, electrical continuity.

Shaw Group Bahrain Yard and Abudhabi Yard – December 2007 to April 2012

Projects associated:

Sharq Third Expansion Project Jubail (Saudi Arabia)

Flour & Daniel RL (3) Common off plot project (Qatar)

Adyard / Mopu Store Frade FPSO project (Abu Dhabi-UAE)

Iberdrola CCC Messaieed IIP Project.

Alstom / Sohar Aluminium power plant rectification project-(Oman, Muscat)

SSW/ Exxon mobile Singapore parallel train project (Singapore)

Ruwais Refinery expansion project (Abu Dhabi)

Scope of work & Responsibilities:

- ❖ QC Inspector for piping spool fabrication responsible for PQR & WPS Qualification, Welder Qualification.
- ❖ RAW Material inspection, witness mechanical & testing.
- ❖ Review drawings & WPS, Perform inspection according to ITP.
- ❖ Monitoring storage and issue record of welding consumables.
- ❖ Fit up and Dimensional control inspection and maintaining material traceability.
- ❖ Monitoring welding parameters and preheating, interpass temperature & interpass cleaning.
- ❖ Weld visual inspection and NDT Coordination & PWHT Monitoring.
- ❖ Hardness testing, PMI testing, and Ferrite testing.
- ❖ Preparation of weld history sheets and NDT clearance for testing and Painting.
- ❖ Hydro & pneumatic testing witness.
- ❖ Coordination with clients for welding & NDT and testing inspections.
- ❖ Open and Closing NCRs, Corrective actions and observations, Final Inspection Release note.

MODY TECHNICAL CONSULTANCIES. – February 2006 to December 2007

Worked with various reputed companies e.g. UTCL, NTPC, Madhi Sugar Factory, Gujarat Gas as a Piping Inspector on behalf of MS MODY TECHNICALCONSULTANCIES.

- ❖ Carried out Inspection works as per approved ITP's & QCP'S.
- ❖ Inspected root for branch welds like sock-o-lets, weld-o-lets and lateral branch.
- ❖ Carried out Fit-up, visual inspection and maintaining documents.
- ❖ Co-ordinate with main contractor inspectors and client inspectors.
- ❖ Conducted periodical toolbox meetings for fabricators', foremen & charge hand for quality awareness.

INSPECTION, SUPERVISION DUTIES & RESPONSIBILITIES:

- ❖ Having knowledge in ASME section IX, IIC, B 31.1/31.3/31.4/31.8, API 1104, AWS D1.1, BS EN ISO standards.
- ❖ Knowledge of welding process SMAW, GTAW, GMAW, SAW, ORBITAL & FCAW with various metals including DSS, SS, LTCS, CS, Copper, Nickel, Inconel, Aluminium & cladding.
- ❖ Understanding the drawings, identifying the weld joints, materials required and work scope.
- ❖ Examining the inward material (Traceability), Test certificate and purchase order.
- ❖ Preparation & witnessing of WPS and PQR.
- ❖ Preparation & witnessing of welder qualification, training and performance as per requirement.
- ❖ Witnessing & reviewing of welding consumables, batch certificates, storage condition, electrodes baking, oven temperature, re baking electrode identification and issue register.
- ❖ Inspecting the marking before cutting, the bevel angle, fit-up, and welder punch / etching.
- ❖ Fit-up and dimension inspection includes bevel angles, root face, root gap, root radius, land, tacking, bridging, jigs, and line up clamps, mismatch and preheating.
- ❖ Checking the calibration certif. of the welding machines, ovens and welding accessories etc.
- ❖ During welding inspection includes check weather conditions, preheat values, in process distortion control, welding consumables control, welding variable parameters voltage,
- ❖ Carry out visual inspection of welded joints. (including dimensional aspect)
- ❖ Check and monitor NDT requirements of RT, UT, MT & PT.
- ❖ Knowledge of welding defects and repair procedures of different metals.
- ❖ Conducting & witnessing of destructive/ mechanical tests as per required Specification / Code.
- ❖ Test pack line walk, punch list preparation, test pack preparation, related reports compilation.
- ❖ Check the punch listing items as per P& ID Isometric such as pipe supports, valves, guides, supports and NDT completion and approving releasing packages for Hydro-Test.
- ❖ Attend to punch listed items and monitoring the completion punch
- ❖ Reviewing the PWHT charts cooling rate, heating rate, Soaking period according to specification approving the charts. And reviewing the hardness reports according to specification and approving it.
- ❖ Specifications and project specifications and procedures.
- ❖ Coordinate with client inspectors for inspection, witnessing and hold points.
- ❖ Preparation of Conformity and non conformity reports, daily work plan reports.

PERSONAL DETAILS

- ❖ **Name** : **HIREN C. PATEL**
- ❖ **Fathers Name** : **CHHABILDAS PATEL**
- ❖ **Date of Birth** : **20th JULY 1983**
- ❖ **Nationality** : **INDIAN**
- ❖ **Gender** : **MALE**
- ❖ **Marital Status** : **MARRIED**
- ❖ **Languages known** : **ENGLISH, HINDI, GUJARATI**

PASSPORT DETAILS

- ❖ **Passport No** : **M8610067**
- ❖ **Issue Place & date** : **SURAT, 10-04-2015**
- ❖ **Date of Expiry** : **09-04-2025**