



M.ARUN PRASATH
SR.QA/QC Mechanical
Engineer



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Age : 33
 Gender : Male
 Marital Status : Married
 Nationality : Indian



Passport No :K1660732
 Date of Issue :29.10.2012
 Date of Expiry :28.10.2022
 Visa status : Employment



English : Professional
 Hindi : Professional
 Tamil : Native
 Malayalam : Intermediate

PROFFESIONAL SUMMARY

Result –oriented and highly motivated Mechanical QA/QC engineer.

5 years of experience in wastewater treatment plant projects (SWROETP, STP & RO),

5 Month of experience in Oil and gas projects **HPCL REFINERIES** in vizag

5 years of experience in Steel pipe & steel structure manufacturing plant (WELDING INSPECTION) (L-SAW & H-SAW) of experience in engineering construction projects that included in **SAUDI ARAMCO** power plant projects
Total, I have more than 10years of Experience in engineering projects

Primary inspection responsibilities are monitoring, supervising and appraising the contractor's / sub-contractor's fabrication, construction, maintenance and repair performance in the area of quality control including evaluation of material and procedures in accordance to applicable project specification. Such inspection responsibilities includes monitoring and checking then quality works in area of mechanical, structural, piping, welding, pressure vessels, pipelines, tank, protective coating and lining ,painting ,corrosion control, insulation, nondestructive testing . Proficient in managing and coordinating the entire project team, Suppliers, consultant, and client.

Pivotal in implementing Quality systems and procedures for ensuring the Quality of the system /projects

Ensuring timely availability of material to meet the progress of the projects as per the scheduled plan.

Expertise in managing commissioning activities and conducting inspections for ensuring operational effectiveness

PROFESSIONAL EXPERIENCE IN MIDDLE EAST

SR.QA/QC MECHANICAL ENGINEER _____ **SINCE 4TH NOV'19**

Project: 40MIGD SWRO PLANT IN JEBEL ALI POWER STATION, DUBAI

- Co-ordinate the entire project team, Suppliers, consultant and clients
- Managing, Coordinating and implementing all QA/QC activities in entire projects ,
- Co-ordinate with interface manager to close out construction completion certification
- Co-ordinate with QA/QC manager to payment certification approval
- Co-ordinated with construction manager to getting approval for various equipment's and piping installation.
- Ordinated with Marine engineering team to closed the inspection activities for intake and outfall line.
- Coordinated with MEP teams to close out the inspection activities, firefighting and HVAC.
- Coordinated with Heavy engineering teams to closed out the IR's ,NCR,SN,MIR for potable water tank fabrication (API650)
- Coordinate with Subcontractors to closed out the IR.MIR,NCR,SN for GRP pipes installation, lamination works ,Stainless steel piping and Structural inspections ,inspection for Static and rotating equipment installation ,pumps , tanks , special equipment's for water treatment plant such as ,HPP,ERD booster pumps , second pass pumps , backwash pumps, underdrain, cartridge filters ,RO vessels ,
- Generate project specific procedures and Quality Control Plan such as Inspection Test Plan, NDT plans, various QC procedures, and method statements.
- Reviewing the project material specs & preparation of required WPS with relevant to ASME SEC IX, AWS D1.1,ASME B 31.3,
- NDT co-ordination & reviewing RT films, MPI & PT reports. And PMI testing

INSPECTION & INSTALLATION SKILLS

- ★ Special Water treatment equipment's
- ★ UV Disinfection
- ★ Digester mixer
- ★ Sludge Thickener
- ★ SBR effluent decanter
- ★ Containerized RO System.
- ★ Containerized STP
- ★ Piping (GRP,SS,HDPE)
- ★ RO pressure vessels
- ★ Underdrain
- ★ Potable water tanks (API650)
- ★ Marine HDPE pipes (intake and outfall lines)
- ★ UV system
- ★ Chemical Dosing system
- ★ Utilities piping's
- ★ Chlorination system
- ★ Dual Media Filter
- ★ Cartridge Filter
- ★ Ultrafiltration
- ★ Media Filtration
- ★ OCU
- ★ Air Compressor
- ★ Booster Pump
- ★ High Pressure Pump
- ★ Back wash pumps
- ★ Vertical pumps (inlet pumps)
- ★ Dosing pump
- ★ Air Blowers
- ★ Penstocks and slide gates
- ★ Stop logs
- ★ Band screens and bar screens
- ★ Coarse screen
- ★ Fine Screen
- ★ Screen Compactors (Wash press)
- ★ Screw conveyor
- ★ Vortex grit removal
- ★ Grit washer (Grit classifier)
- ★ Jet Air aerator
- ★ Air distribution system
- ★ Media filtration ,

Role:

- Co-ordinate the entire project team, Suppliers, consultant and clients
- Managing, Coordinating and implementing all QA/QC activities in entire projects ,
- Generate project specific procedures and Quality Control Plan such as Inspection Test Plan, NDT plans, various QC procedures, and method statements.
- Reviewing the project material specs & preparation of required WPS with relevant to ASME SEC IX, AWS D1.1,ASME B 31.3,
- NDT co-ordination & reviewing RT films, MPI & PT reports. And PMI testing
- Monitoring & controlling of hydro test package flow and verification of punch list.
- Review of Material & purchase requisitions raised by engineering with respect to applicable contract documents, project specifications and international codes & standards.
- Responsible for all vendor documentation reviews for compliance and completeness like manufacturing procedure specifications/ ITP/quality plans/drawings/various QC procedures and final dossiers(MRBs).
- Preparing the inspection plan as per Project scope and effective coordination with Vendor Inspection agencies. Also carrying desktop review & site audit for Supplier prequalification.

QA/QC & WELDING SUPERINTENDENT**JULY 2015 TO JULY 2017****ABDULLAH H. ALMUTAWA SONS HOLDING CO. (CJSC) IN SAUDI ARABIA_****Role:**

- Attending kick off meeting for critical vendor packages and PIM (pre-inspection meeting) at Supplier's facilities to indoctrinate the specific quality requirements.
- Review of Material tests certificates, Field inspection report, Inspection release notes to ensure compliance with different project specification, standards, PO & MIR
- Reviewing client specification & applicable codes & standards to foresee special client requirements. Raising TQs to suggest better alternatives meeting requirements of schedule & quality.
- Preparing Look Ahead Schedule and Monthly Project Inspection reports for submission to client.
- Handling Procurement & Supplier NCRs for effective coordination and close out with corrective and preventive action.
- Managing the distribution of Inspection reports after review and facilitating the issuance of Inspection release note after ensuring close out of NCRs, Punch list.
- Co-ordinate with Technical sales team like pumps ,valves and wastewater equipment suppliers
- within time & cost parameters and utilizing resources to maximize output
- Maintaining daily weekly reports/quality control reports as a part of document control in various quality & inspections procedures
- Taking stringent quality measures including preparation/maintenance of necessary documents to ensure compliance with ISO standards & customer requirements
- Conducting internal audit as per ISO 9001:2015 & Project spec and follow up to close audit
- observations & NCR'S.
- Well understand engineering drawings and be able to effectively communicate drawing requirements into practical applications
- Experience in Quality assurance and Quality control of fabricated components like storage tanks, piping activates

THOROUGH KNOWLEDGE OF INDUSTRIAL CODES & STANDARDS

- ★ CSWIP 3.1
- ★ NDT LEVEL 2
- ★ ISO 9001:2015
- ★ ASME Sections
- ★ AWS D1.1
- ★ ASME B31.3
- ★ AWWA
- ★ API 650.
- ★ EN
- ★ DIN
- ★ BS EN
- ★ API
- ★ API 5L
- ★ IS
- ★ ISO
- ★

PROFESSIONAL EXPERIENCE IN INDIA

QA/QC ENGINEER

JULY 2014-APR2015

MPIL, IN MUMBAI

Role:

Handled activities related to:

- Mill and welding activities of L- SAW and H-SAW pipes .Ensuring project deadlines are met.
- Analysis of operational issues and installation of new equipment
- Checking equipment and doing preventative maintenance to ensure it's in good working order
- Setting up quality-control procedures and have to meet with people to gather information and discuss the production process.
- Plan and coordinate production engineering processes on daily basis to produce high quality products.
- Develop process improvements to effectively utilize equipment and materials to maximize production.
- Quality control activities in Manufacturing of boiler component and fabrication parts .Refer to BHEL drawing and CVL drawing material cutting plan Colum stage inspection raw material ,fit up, welding inspection ,final inspection Verifying incoming Raw materials for material identification and Heat No. identification Maintaining Test Certificate and Supplier Inspection Report and Analysis ,Maintaining the quality documents
- Initiated and implemented work instruction and procedure for various shop floors Activities and processes at supplier end.
- BHEL beam flange and web inspection face out, plump checked final welding inspection Wind box.
- To identify the requirements, quality standards as per QAP.
- Co-ordination with consultant, planning, and scheduling of plant activities.
- production targets with specified weld quality as per codes and standards (APISpec 5L, ISO, IS)
- Planning, tooling & equipment to achieve targeted volume
- Ensuring project deadlines are met
- Checking equipment and doing preventative maintenance to ensure it's in good working order
- Identify unsafe operations and practices and report the same to Manager immediately..
- Provide engineering support for production and maintenance activities to ensure maximum production.
- Perform engineering analysis to reduce downtime and outages
- Evaluate current production activities and makerecommendations for improvements.
- Develop operating instructions and equipment specifications for production activities.
- Provides training and guidance to team members to accomplish production goals.
- Stay current with product specifications, engineering technology and production processes.
- Develop best practices to improve production capacity, quality and reliability.
- Investigate problems, analyze root causes and derive resolutions.
- FMEA (failure mode effect analysis)

 **EDUCATIONAL QUALIFICATION**

- ★ B.E(Mechanical Engineering)

 **CERTIFICATION**

- ★ NDT level 2(RT)
- ★ NDT level 2(UT)
- ★ NDT level 2(PT)
- ★ NDT level 2(MT)
- ★ ISO 9001:2015

 **COMPUTER SKILLS**

- ✓ MS Word
- ✓ MS Excel,
- ✓ MS Power Point
- ✓ MS office
- ✓ Navis works
- ✓ Auto CAD
- ✓ Excel
- ✓ Outlook
- ✓ Windows
- ✓ Internet
- ✓ Social networking

CORE SKILLS

- ✓ Ability to work under pressure
- ✓ Decision Making
- ✓ Time Management Skills
- ✓ Self-motivation
- ✓ Team work skills
- ✓ Technical Skills

EDUCATIONAL QUALIFICATION

- ❖ **B-Tech. Mechanical Engineering Degree**
Kurinji College of Engineering & Technology, Manapparai with 2010,

CERTIFICATIONS

- ❖ **NDT (ASNT) Level: II**
(RT, UT MPT & DPT).
- ❖ QMS Certification :CQI and IRCA certified **ISO 9001:2015** auditor /Lead auditor

PRODUCTION ENGINEER DEC 2011-MAY 2014 BHARAKATH INDUSTRIES, TRICHY, TAMILNADU, INDIA)

- Production control activities in Manufacturing of Tubular tower fabrication parts Raw material ,Plate Cutting ,EP ,Rolling, Ls welding, Rerolling, Section Fitup,Flange fit up, Welding inspection ,final dimensional &Inspection of Tubular tower for 1.5 MW
- prompt deliveries from vendors.Work Schedule preparation (Based on Customer Requirement).Training Program in BHEL Projects Quality Service (WPS , PQR, WPQ & NDT)
- Welder performance qualification tests
- X-ray interpretation
- Carried out RT, UT, MPT, PT etc.
- Field inspection of online & offline welding and welding parameter as per approved WPS, PQR
- Handled activities related to Mill and welding activities of L- SAW and H-SAW
- Piping To identify the requirements, quality standards as per QAP. Vendor Development and Follow up. Monitoring the overall vendor activities to ensure quality requirements as per standards Follow up with suppliers for Production Parts Approval Process, Corrective Action and Preventive Action Report
- Setting up quality-control procedures and have to meet with people to gather information and discuss the production process.
- Plan and coordinate production engineering processes on daily basis to produce high quality products
- Develop process improvements to effectively utilize equipment and materials to maximize production.
- Identify unsafe operations and practices and report the same to Manager immediately.
- Establish safety procedures and environmental regulations for employees
- Provide engineering support for production and maintenance activities to ensure maximum production.
- Welder performance qualification tests
- Monitoring and recording of documentation as per ISO standards

Jr.QC ENGINEER JAN2011-NOV2011

AJANTHA FAB WORKS UNIT-1, TRICHY, TAMILNADU, INDIA

Role:

Conducted:

- Responsible for the overall quality of supplier products and Mfg. products BHEL boiler component and parts
- Refer to BHEL drawing and CVL drawing material cutting plan
- Colum stage inspection raw material ,fit up, welding inspection ,final inspection Maintaining the quality documents
- Initiated and implemented work instruction and procedure for various shop floors Activities and processes at supplier end.
- Final job painting inspection and dispatched
- Ensure corrective and preventive action for the product / process non conformities at vendor's end and Carry out rejection analysis.
- Piping erection and Equipment's as per approved drawings and standards

CHENNAI, INDIA

Jr.Site Engineer Site works for **HPCL REFINERIES** in vizag

Role:

Conducted:

- Values stage process in lapping, blue matching ,and hydro testing
- Type of value Gate Valves, Ball Valve,NRV Valves ,all Valves inspection
- Valve of repaired after inspection
- Valve install as per drawing
- Values for assembly and checked in hydro test
- Qc documents
- Handled the Erection of static equipment's like pressure vessels, heat exchangers, heavy duty pumps, turbine, condenser and power piping in power plant as per drawing.
- Conducted hydro testing of the piping, vessel, condenser as per hydro test procedure

DECLARATION

I hereby declare that the information furnished above is true to best of my Knowledge. I hope that the above mentioned particulars will meet your requirements and if given a chance to prove myself, I assure you that I will do the best to fulfill company's adjectives.

M.ARUN PRASATH

