



NAMITA S JALAN

PIPING MATERIAL ENGINEER

PROFESSION

Piping Engineering with 14+ years of diversified experience and knowledge of Piping Material Engineering for Process plant, refinery, petrochemical, oil & gas industry.

EDUCATION



ADVANCE COURSE SUVIDYA INSTITUTE OF TECHNOLOGY, MUMBAI JUNE 2007

Certificate Course in Piping Engineering
Course included basics of Piping Design & Piping Material activities.



GRADUATION COLLEGE OF ENGINEERING & TECHNOLOGY, AKOLA JUNE 2002-06

B. Tech (Chemical Engineering Technology)

SOFTWARE SKILLS

- Advanced Excel, Access & Advanced word.
- MES C Tool
- Working knowledge of internal tools like RWORKS & RPMS.

CONTACT



+91 8452910809



Namita.jalan7777@gmail.com
Aherna06@rediffmail.com



Thane (Mumbai)

MANAGEMENT SKILLS

- Provide estimated Man-hours for Piping Material Engineering activity to the Project/Client.
- Review scope of work at initial stage of project and raise Technical queries and Concession request to client
- Provided **Planning & Scheduling** date as per deliverable to Project Control.
- Audited Technical Audit as per Piping Material Scope.
- Issued all deliverables as per Schedule generated by Project Control and raise Scope Change Notice in case if required and update Man Hours accordingly.
- Provided mentorship and coaching to subordinates, junior piping material engineers, design engineers & Fresh Graduates.
- Conducted technical training for cross discipline engineer.

TECHNICAL SKILLS

- Prepared & Checked piping classes based on Licensor's documents.
- Provided Inch Dia. & Inch Meter calculation for on-Site support.
- Prepared, Checked & Validated Piping Material Calculation Sheet.
- Prepared, Checked & Validated Technical Supply Condition of all Piping Material Components like **Pipes, fitting, flanges, Valves, gasket & bolts etc.**
- Prepared & Updated **Standard Specification, Standard Drawing, Datasheet & TBE Formats.**
- Selected Material Grade based on basic Material specified by Process & Metallurgy team.
- Working Knowledge of Inspection & Test Plan, Positive Material Identification, Non-destructive Test & IBR certification.
- Working Knowledge of PDS RDB atmosphere.
- Coordinate and/or negotiate with other discipline engineers Instructed and coordinated with subordinates, such as junior piping material engineers, design engineers etc.

WORK EXPERIENCE

May. 2013- Present

RELIANCE INDUSTRIES LTD. -MUMBAI



Piping Material Engineer

Project 1: Hazira Manufacturing division: Cracker & Aromatic area modifications

Responsibility-

- Prepared service specific Pipe classes for Caustic, Chlorine, Hydrogen, **VHP Steam, Oxygen, sea water & NACE** & Toxic services.
- Calculated all Piping Components includes thickness & dimensional calculation as per **ASME B 31.3, ASME B 31.1, Indian Boiler Application & AWWA.**
- Reviewed **MTO** provided by layout team and calculated Contingency as per Project Schedule
- Efficiently calculated DELTA quantity & forecast the additional required quantity due to change in design.
- Prepared & Checked **Material Requisition** for all Piping Components.
- Prepared & Checked **Technical Bid Analysis.**
- Resolved Material & Design constraints by means of material substitution raised by site through **Site Engineering Request**
- **Specialty handled: Steam trap, strainer, Steam jet injector, non-standard globe valve, Nozzle check valve.**
- Reviewed Vendor Documents & Drawing and provided Engineering Clearance.

Project 2: Hazira Manufacturing division: Installation of RTO & HPCCU unit in PTA Plant

- Prepared piping classes based on Invistas Licensors piping class.
- Calculated all Piping Components includes thickness & dimensional calculation as per **ASME B 31.3, ASME B 31.1, Indian Boiler Application.**
- Reviewed MTO provided by layout team and calculate Contingency as per Project Schedule
- Preparation & Checking of Material Requisition for all Piping Components.
- Prepared & Checked Technical Bid Analysis.
- **Specialty handled: Flame Arrester, Steam trap, strainer, Hoses, air trap etc.**
- Reviewed Vendor Documents & Drawing and provided Engineering Clearance.
-

Project 3: Patalganga Manufacturing Division: PTA to PIA project

- **Developed Pressure –Temperature chart & thickness calculation for unlisted material like Titanium & 904L grade**
- Issued New Piping Material Class request to client Project team as per issued format.
- Issued Update request for addition of new components to client Project as per client issued format.

Project 4: Jamnagar Manufacturing Division: DTA HNUU Revamp Project

- Reviewed MTO provided by layout team and upload MTO in RWORKS (In house software)
- **Specialty handled: Injection quill, Steam rings, sample coolers, Steam trap, strainer, static mixers, special valves etc.**
- Resolved Material & Design constraints by means of material substitution raised by site through Site Engineering Request (E.g.: Change in MOC, change in features of valve etc)
- Reviewed Vendor Documents & Drawing and provide Engineering Clearance.

Dec. 2011- May.2013

AEGIS LTD – ESSAR ENGG SERVICES DIVISION, MUMBAI

Piping Material Engineer



Project 1: Multiple Revamp at Stanlow Refinery UK

Responsibility-

- Reviewed of Shell Piping class & raised update request if required.
- Reviewed & checked of MTO.
- Substituted based on long description provided in **MESC code (Material & Equipment Standards & code)** applicable to Piping.
- Experienced with **DEP Standards** & specifications.
- Working knowledge of **Shell DEPs** related to Piping Material Specifications & general requirement for Piping.
- Vendor drawing review based on **Shell standard drawings**

Project 2: IOCL Paradip refinery INDIA

- Reviewed Foster Wheeler Piping class & raise update request if required.
- Reviewed & checked MTO.
- Design & prepare datasheet for **large bore 88" (unlisted in code) triple eccentric Butterfly valve working in sour service & vacuum.**
- Successful substitution of **Large bore (64", 76", 88") elbows with Miter Bends working under Internal & External pressure.**

Feb. 2011- Nov.2011

RELIANCE INDUSTRIES LTD. -MUMBAI



Piping Material Engineer

Project 1: Hazira Manufacturing division: MEG2 Revamp Project

- Prepared & Checked piping classes based on Licensor's inputs like **Fluid list and Base Material of construction**, extending and developing them to suit process requirements, client requirements and as per international codes and standard.
- Calculated all Piping Components includes thickness & dimensional calculation as **per ASME B 31.3, ASME B 31.1, Indian Boiler Application, AWWA standards.**
- Prepared **Valve & Specialty Item Datasheet** as per International Codes & Standard, based on Market availability.
- Prepared & Checked Material Requisition for all Piping Components.
- Reviewed MTO provided by layout team and calculate Contingency as per Project Schedule

- Reviewed Vendor Documents & Drawing and provided Engineering Clearance.

July. 2008- Aug.2010

LURGI INDIA PVT. LTD, NEW DELHI

Piping Material Engineer



Project: Coal Based Reduction Gas Facility (Jindal) Orissa

- Prepared piping material specification.
- Prepared valve datasheets.
- Checked MTO with respect to piping class.
- Prepared Technical Bid Analysis.
- Vendor drawing review.

July 2006 – June 2008

RELIANCE INDUSTRIES LTD

Piping Engineer



Project 1: Jamnagar Export Refinery Project (JERP)

- Checked MTO with respect to piping class
- Reviewed MTO provided by layout team and uploaded MTO in RWORKS (In house software)
- Efficiently calculated DELTA quantity & forecast the additional quantity due to change in design.
- Resolved Material & Design constraints by means of material substitution raised by site through Site Engineering Request (E.g.: Change in MOC, change in features of valve etc.)