

Dipesh Yadav

Piping Design Engineer

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2/22, Udyognagar society
Opp.Anupam mission, Mogri,
Anand, Gujarat, India,388345

PROFILE • ABOUT ME

An energetic Piping Design Engineer with 6+ year of experience involved in Detail Design of Engineering projects in oil and gas, Petrochemical, Chemical plant. Strong knowledge of major piping design codes such as ASME (ASME B31.3), ASTM, NFPA 13 and OISD 118.Hands on experience in software like E3D, PDMS, AutoCAD, Navisworks.

PROFFESIONAL CAREER

- Piping Designer - Petrofac Engineering India Pvt. Ltd, Mumbai Feb 2019 - Dec 2020
- Piping Design Engineer – Doe Technologies, Vadodara July 2014 - Feb 2019

WORK EXPERIENCE

1. Piping Designer – Petrofac Engineering India Pvt. Ltd, Mumbai.

Project: AinTsila Gas Condensate Field, Isarene .

- Preparation of Piping Plot Plan, Equipment Layout.
- Preparation of nozzle Orientation drawings with access platforms and support cleats.
- Preparation of typical piping assemblies (Piping detail standard) and Reviewing of Instrument hook up's.
- Preparation of TQs/Comments on the Vendor Documents.
- Preparation of Input for structural platform drawings, Equipment nozzle orientation.
- Prepare the IFC isometric drawings and release the drawings as per schedules.
- Reviewing/commenting the piping P&ID and inter discipline's input documents.
- Reviewing/commenting the Vendor equipment GA drawings.
- Interface/co-ordination with Stress Group for Critical Lines/Critical Stress Systems.
- 30%, 60%, 90% tag closing activity.
- Preparation of 3D and 2D modeling of all the piping systems and Pipe supports using PDMS and AutoCAD.
- Preparation Piping GAD's, Equipment nozzle Orientation drawing, MTO, Piping design Isometrics.
- Regularly review the model using Navis works and optimize and correct the Piping layouts with respect to process requirements.

Proposal: Residue Hydrocracking unit, Orlen Lietuva.

- Preparation of over Plot Plan.
- Preparation of Piping interconnecting line diagram.
- Calculate pipe rack width.
- Prepare various piping drawing for flare piping study, Underground drain study, Utility station study.
- Prepare Tentative sketches technical structure input for steel counts.
- Define Platform, Grade mounted Platform, vessel mounted platform, cross over walkway, sleeper, civil piping support.
- Participating in proposal activities, producing preliminary design sketches.
- Material Take Off Activities (Piping fittings, Special items).

2. Piping Design engineer – Doe Technologies, Vadodara

Project: Sulfur Recovery Unit, IOCL.

- Preparing professional and economic plant layout and piping design concepts for AG and UG piping systems.
- Preparation of Nozzle Orientation of vessels, Equipment layout drawings & Piping GA drawings.
- Review and prepare piping design deliverables (i.e. Bill of Material, Isometrics and Piping GA Drawings).
- Define and optimize steel structure requirements for pipe rack, technological structures, pipe supports, operating platforms, field columns etc.
- Providing loading information for Civil Steel structure design.
- Conducts detailed technical evaluations to address issues with Piping and system design, operation and maintenance.
- Tag closing activities. Preparation of Tie-In sketches.
- Familiar in Equipment vendor Drawing/Document review and answering TQ.
- Co-ordination between all departments to inline piping design with all aspects.
- Resolving the Site construction / fabrication Queries, Squad reviewing of Civil and other discipline drawing as per the piping needs.
- Producing preliminary design sketches and Material Take Off Activities.

Project: Propane/Butane/LPG Buffer Bullet Tank farm, Bharat Petroleum Corporation Limited.

- Preparation Piping layouts, pipe support drawings and isometric drawings for engineering Design and fabrication.
- Review of Nozzle orientation drawings.
- Check Equipment vendor Drawing/Document review and answering TQ.
- Co-ordination between all departments to inline piping design with all aspects.
- Prepare Daily, Weekly Progress Reports for Project Meeting.
- Preparation of detailed Material Take-Off.
- Preparation of As-Built drawings as per site modification works.
- Verification of isometric drawing with respect to P&ID.

Project: Multi – Purpose Gas Field Expansion, KCIL.

- Preparation and checking of Plot plan, Equipment layout, piping layout and IFC isometrics.
- Responsible for PDMS modelling, review and Model review presentation.
- To attend meeting with client, vendors, Sub-contractors.
- Equipment modelling & associated piping modelling with Proper supports using PDMS software.
- Checking of Nozzle orientation drawings and vendor drawings, civil information drawings, Special Pipe Supports.
- Co-ordination with stress group for finalizing pipe routing.
- Handling third party activities and checking their output drawings.
- Preparation & checking of technological structure load data.
- Checking & preparation of MTO from P&ID'S, GAD & Isometrics.

Project: Chlorination Plant Modification, Kutch Chemical Industries Ltd.

- Checking Piping Modification at site.
- Preparation of Red Line Mark -up for "AS BUILT" drawings.
- Acquiring on site As-Built data from plant.
- Preparation of As-Built P&ID.
- Preparation of Tie-In sketches.

EDUCATION

B.E. Mechanical

Dr. Jivraj Mehta institute of Technology
Gujarat Technological University — Gujarat

July 2014

7.31 / 10

12Th Science

R.P.T.P. School
GSEB Board — Gujarat

March 2010

66.66 %

ENGINEERING SOFTWARE

- E3D
- PDMS
- AutoCAD
- Navis work

COMPUTER PROFICIENCY

- MS Word
- MS Power point
- MS Excel
- MS Project

LANGUAGES

- English
- Hindi
- Gujarati

PERSONAL INFORMATION

Father's Name: Prakash Yadav
Birthday: December 03, 1992
Gender: Male

Marital Status: Single
Nationality: Indian
Passport No.: M1400066