

ShahNawaz M Patel- IEng MIMechE

Piping Layout Engineer- Lead Checker

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Objectives

A position in Piping Engineering providing the opportunity to make a strong contribution to organizational goals through continued Development of professional skills

Education

MBA (Petroleum Management & Project Management) through Indian School of Management Studies, Mumbai-India July 2016

Graduate Diploma In Mechanical Engineering (BE,Mech.) from Indian Institute Of Engineering Studies, Karnataka, India in 2009.

Diploma In (Draughtsman Mechanical) from KJ Somaiya, Mumbai, India 1996.

Key Work Experience

More than 22 years' experience in piping design & detailed engineering for Petrochemical, Oil & Gas refineries for new projects and plant modification jobs, front end design. Experience in Plot Plan Development, Equipment layout, Piping Layout, Review of Stress Analysis report, Pipe Supports, Piping Isometrics & BOM/BOQ, and all other piping related activities. Work experience in conducting/attending weekly/monthly progress review meetings and monitoring discipline activities, solving day-to-day design and project issues with other engineering departments and client, co-ordination of design package submission on schedule. Constructability studies of revamp project. Site visit for the study of existing facilities and ascertaining provision of new facilities.

Area Of Expertise

Co-ordination with other engineering groups like civil, mechanical, process, instruments, electrical etc for interface requirement. Interaction with 3D, spec and stress coordinator to support the piping progress within the area. Preliminary design.

3D Routing of lines, supporting, checking, and making lines ready for deliverable with the use of PDMS tool.

Engineering supervision of piping routing of various equipments.

P&ID mark-up as per the final design.

Review of vendor drawings for stress analysis relevant inputs and piping isometrics.

Extraction of fabrication Isometric drawings from layout using Isodraft & Isometric Drawing Manager.

Support engineering and arrangement for non-critical piping.

Review of engineering deliverables like General arrangement drawings, Piping arrangement drawings, Fabrication drawings, Pipe support drawings.

Preparation of General Arrangement, Piping Arrangement, Pipe Support Drawings using Draft module of PDMS.

Co-ordination with stress group and updating stress comments, Interdepartmental co-ordination with civil/structural, instrumentation and electrical dept. Preparation of Specification, Issue documents for Tender Bidding etc.

Vendor Drawing Review

Final Approval for Vendor Drawing

Experience

Lead Checker / Sr. Designer Piping (July-2019 –Feb.,2020)

WOOD PLC (Dubai,UAE)

Project Name: NR NGL; K1/K2 COMPRESSOR MODIFICATIONS AND REHABILITATION

Client – BASRA GAS COMPANY-IRAQ (ONSHORE)

Checking of Plot plan, Piping GA's, Isometrics, MTO, Interdiscipline coordination etc.

Preparation of TIE-IN Schedule, Isometric Sketches as per the client requirement,

Cross verify the Site Visit report against P & ID and Modify accordingly.

Coordination with site team Lead and other Team as per the project requirement.

Mark ups for P & ID updation as per the requirement

Lead – Co-Ordinator-Design Piping (July-2017 –July 2019)

Litwin PEL LLC (Abu Dhabi)

Project Name: FEED FOR BU HASA,AL DABBI'YA,RUMAITHA INTEGRATED FIELD PROJECT

Client – ADNOC (ONSHORE) – Formly ADCO

ADCO Wanted to Buhasa field development with new concept of PAD is consisting of Wellbay, flowlines, manifolds and utilities as a minimum. PAD is design for a maximum of 20 well slots & Mini PAD is design for a maximum of 10 well slots (Producer or injectors). Wellbay is also design for a maximum of 10 well slots without manifolds & utilities. Producing Plot Plan &, Piping General Arrangement.

Client– ADNOC (ONSHORE) – Formly ADCO

Project Title: Concept For Al dabb'iya Zone-B Phase-II. **(Project No. 18005-P02093)**

Drawing Title: Plot Plan development for various clusters – Cluster 2(B),9(J),10(K),15(O),17(Q),25(Y),31(E)

Drawing Title: Plot Plan development for CPP – AREA-5,AREA-6,AREA-15-Ph-III

Project Title:: Concept For DY Transition Zone-B Phase-II. **(Project No. 18005-P02093)**

Drawing Title: Plot Plan development for Water Supply Wells & Water Disposal Wells:Al Dabb'ya New Field

Client– ADNOC (ONSHORE) – Formly ADCO

Project Title: Piping Vibration Study. **(Project No. 18002-P24012)**

Drawing Title: Pipe Support Standard (Pipe support Schedule)

Client – ADNOC (OFFSHORE) – Formly ADMA OPCO

Project Name: Detailed Engineering to Install Additional Closed Drain Drum and Pumps at 36"- MOL Platform **(UMM SHAIF SUPER COMPLEX)**

Prepared Consolidated Bulk MTO for piping supports.

Piping Layout Engineer -Team Lead (January 2012 – July 2015)

Bilfinger-Tebodin & Partner LLC, Sultanate Of Oman

Client - Petroleum Development Of Oman (PDO)

Responsibilities-

Design of Plot Plan, Key Plan

Development of Piping General Arrangement drawings

Review of Isometrics with BOM

Identification of Tie-In and preparation of Tie-In Packages.

Preparation of Piping Class/ Specifications.

Preparation of Consolidated Bill of Materials

Requisitions and Specification for , Strainer,GRE Piping,Valves, Fire Water Monitors, and other

Piping Components etc.

Preparation and Review the ICN packages for AFC and MTO for Purchase order.

Preparing Technical Bid Evaluation (TBE) for Vendor Purposal.

Meeting with Vendor for the TBE Discussions & other co-ordination for Vendor Proposals/Offers.

Reviewing the VENDOR VALVE DATA SHEET to comply with PDO standards & requirements as per API 6D/API 598 for Test Pressure,

Fire Safe Design API 6FA / API 607 in Accordance with ISO 10497.

Piping Layout Engineer -Team Lead (July 2010 – Dec 2011) & (Aug. 2015 – May 2017) Team Lead (Deputed through CONEC Consultants)

CGC Converse Technologies India Pvt. Ltd., Hyderabad, India

Client – Qatar Petroleum (QP)

Project – Masaieed NGL Qatar (As Built)

Area – Distillation Coloumn, Stabiliser Coloumn, Exchangers, Pumps etc.

Work Includes –

Checking of Piping Lay out

Modification maintaining of varies Piping layers,

Checking of Detail of Suppots & Clashes,

Preparing of CLASH Report Issued Piping Layout to the CLIENT Co-ordination with Team

Area Lead-Piping (Deputed through Aarvi Encon Pvt. Ltd.) Oct,'09 to May 2010

Engineers India Ltd., Delhi, India

Project – Poly Propylene Unit – Bhatinda

Area – Condensate Area , Compressor Area, Utility Area etc.

Work Includes –

Preparing Piping Lay out

Modification, Preparing Spool drawing,

Equipment Modeling,

Piping Study Lay-out, Modification of Line routing,

Clash checking,

Support modeling of lines, Issued isometrics for Fabrication, Isometrics Extraction for stress through model.

Piping PDMS (Deputed through Pinnacle Middle East, Abu Dhabi) Oct'08 to Apr.'09

VECO Engineering, Abu Dhabi, UAE

Project : Dolphin Oil & Gas GTL Platforms Project - QATAR

ABBR (ASAB,BAB,BUHASA, & RUWAIS (FEED) PROJECT- Abu Dhabi, UAE

Area :- Existing & New Separator Area,Vapour & Liquid Dehydrator, LP Gas Compressor & Separator

Work Includes –

Preparing Piping Lay out and Modification,

Preparing Spool drawing, Equipment Modeling,

Piping Study Lay-out, 2D Draft Modeling,

Modification of Line routing,

Clash checking, Support modeling of lines, Issued isometrics for Fabrication,

Isometrics Extraction for stress through model.

Piping PDMS (Deputed through Pinnacle Middle East, Abu Dhabi) Dec'07 to June.'08

J. RAY McDERMOTT, Dubai, UAE

Project – Shell - PEARL GTL Platforms Projects – Qatar

Area - PEARL GTL PLATFORM

Work Includes –

Preparing Spool drawing, Modification of Line routing,

Clash checking, Support arrangements of lines,

issued isometrics for Fabrication Isometrics extraction for stress through model

Preparation of Isometrics,

MTO,

Modelling of Equipment Layout Modification

Preparation of Piping layout.

Area Lead-Piping (Deputed through Aarvi Encon Pvt. Ltd.) Dec.'06 Dec.,07

FLUOR DANIEL, DELHI, India

Project – Shell - Gbaran Ubie Integrated Oil & Gas Project – Nigeria

Work Includes –

Checking of Area marking in PEF's as per model,

Clash checking of Piping routing in Structural on PDMS,

Support model arrangement of Piping As per Stress reports on PDMS,

Checking of Piping Routing WRT PEF's in PDMS model, Done Piping Routing in PDMS model, Isometrics Extraction for stress through model, Squad Checking of Rack & Steel Requirement for Piping routing for support arrangement.

Area Lead-Piping APR.'05 TO Dec.'06

VAMSHI EXPORTS LTD. Mumbai,India

Work Includes –

Preparation of Equipment Layout & Piping Layout,
Pipe Support Details Drawing as per reference standard Drawing,
Preparation of Tank Fabrication Details Drawing of various capacities Tube Exchangers Diagrams as various diameter,
Preparation of Isometrics, MTO.

Designer (PIPING) Jun.'98 TO Sep'04

PDMS Modeller (PIPING) Jul.,'02 TO Sep.,'03

MANU – TECH. ASSOCIATES

Work Includes –

Preparation of Equipment Layout,
Modification & Preparation of Piping Layout,
Tank Orientation Diagrams & Nozzle projections,
Preparation of Plot Plan & Tank Farm Area,
Preparation of MTO through P & Id's,
Preparation of P & ID's,
Preparation of Isometrics, MTO

DRAUGHTSMAN (PIPING) AUG.'96 TO May., '98

PDMS DESIGNER (PIPING) OCT.'04 TO APR '05

CHEMPLANT SERVICES

Projects: Wokhardt (I) Ltd., Pharmaceutical Plant, Ankaleshwar

Work Includes –

Checking of Area & marking in PEF's as per model,
Clash checking of Piping routing in Structural on PDMS,
Support model arrangement of Piping As per Stress reports on PDMS,
Checking of Piping Routing WRT PEF's in PDMS model,
Done Piping Routing in PDMS model, Line Routing,
Preparation of Isometrics, MTO, Preparation of Equipment Layout,
Modification & Preparation of Piping Layout, Preparation of MTO through P & Id's,
Preparation of P & ID's, Block Diagrams,
Preparation of Tank Fabrication Details Drawing of various capacities Nozzle orientation Details Diagrams on PCD.
Projects: ROLTA INDIA LTD., (REBEIGH & FEASIBILITY PROJECT, U.S.A.)

Work Includes - P & I DIAGRAM F9 – OSNAP FORMAT

Also Inter office Co-ordination with other departments.

SOFTWARE SKILLS

AutoCAD, Plant Design Management System (PDMS), SP3D (Smart plant 3d), & Navis Work.

PERSONAL DETAILS

Date of Birth : July 07th, 1975
Nationality : Indian.
Passport Detail : L-1158659
Marital status : Married
Languages : English, Hindi, Marathi
Place / Date :

ShahNawaz M Patel