SUDHARSAN K
SENIOR PIPING ENGINEER
G2, Ground floor, Plot no.47,
9th Steet, Sri Lakshmi Nagar,
Valasaravakkam, Chennai -600 087
E-mail id : ksudhar.mech@gmail.com
Mobile No: +91-9994997485
Skype ID: ksudhar. mech

PROFESSIONAL SUMMARY

- I have overall 11 years of experience in Oil, Gas and Petrochemical Plant projects as Piping Design Engineer.
- I have 2 years of working experience in Kuwait.
- I have worked in basic design, FEED, detailed engineering and construction phases of the projects.
- I have good knowledge in materials and stress analysis.
- Expérience in International codes. (ASME B 31.3, ASME B 16.5, ASME B 16.47etc.,)

ACADEMIC RECORDS:

- B.E (Mechanical engineering) from Jeppiaar Engineering college (Anna University)-Chennai with First class Distinction (82%) in the year June 2009.
- Higher Secondary from Tamil Nadu State board (Town Higher secondary school, Kumbakonam)94% in the year June 2005.

PROFESSIONAL EXPERIENCE:

1) PIPING LAYOUT PREPARATION:

- Experience in Routing of Critical & utility lines with the study of P & ID, in consideration with project specifications.
- Preparation of conceptual studies, Plot plan, Key plan, schematic layout and Piping General Arrangement drawings with ease of operation, maintenance, safety and flexibility.
- Checking and validation of all piping drawings.
- Coordinated a piping team, for executing the piping deliverables as scheduled.
- Reviewing of Vendor GA drawings.
- Providing details for pipes supports & access platform requirements, load details, support foundation details etc., to civil department.
- Worked in Hydro test package and As built activities.
- Involved in MTO activities.

- Knowledge in the material purchase cycle.
- Preparation of proposals, estimates, budgets, and schedules.

2) CONSTRUCTION SITE
   - Working with Field Engineering Team.
   - Coordinating with construction team, for obtaining engineering solutions for problems arrived during piping fabrication and erection.

3) SOFTWARE ACQUAINTANCES
   - Model Review soft ware's like Smart plant 3D and Navis work freedom.
   - BOM software's like PICOM, Marian and PUMA software's.
   - Proficient in Auto Cad and MS Office tools.

WORK EXPERIENCE:

Currently working as a **SENIOR PIPING ENGINEER** in SAIPEM INDIA PROJECTS.

Company Profile: Saipem is an international leader in Engineering, procurement, construction (EPC) and installation services to the oil & gas industry from Milan, ITALY.

CURRENT PROPOSAL: HEH STD LNG PROPOSAL (09/2021 to 11/2021)

ROLE: AREA LEAD

Activities:

- Detailed Layout study done from the BID Piping layout.
- Coordinating a team for estimation of MTO based on BID documents.
- Providing Civil inputs such as Pipe rack cross sectional details, Structural details.
- Coordination with other disciplines.

PROJECT: MARJAN10 – CHANGE ORDER MANAGEMENT (06/2020 to till date)

ROLE: AREA LEAD

Activities:

- Done Feasibility Layout study for the Change orders from Client
- Studying and estimating the impact of Changes in the layout design.
- Implementing the changes in the model.

PROJECT: HAWIYAH GAS PLANT EXPANSION, Saudi Arabia (05/2017 to 06/2020)

PROJECT DESCRIPTION: This project is facilitated to provide additional gas processing facilities at Hawiyah Gas Plant (HGP) to process 1070 million standard cubic feet per day (MMSCFD) of raw sweet gas to efficiently meet the kingdom's energy demand.

ROLE: AREA ENGINEER

Activities:

- Worked in Dehydration and Dew Point control facilities area.
- This Unit mainly involves the design for controlling the water content and the hydrocarbon dew point.
- Involved in the piping design of Propane chillers / separators, TEG contractor / Stripper and Propane refrigeration facility.
- Ensure the design of all new lines modelling.
- Providing civil inputs such as Rack & structural load inputs, platform details.
- Reviewing of Vendor documents.
- Development and Issuing of Plot plan with project specifications.
- Deputed to Milan Italy (Head office) for Familiarization of P&ID Mechanization procedure with SPPID Software.
- Attended Model Review Meeting with Client.
- Coordinating the FDCN activities.

.

PROJECT: JAZAN PROJECT, Saudi Arabia. (08/2016 to 05/2017)

ROLE: ISO COORDINATER

Activities:

- Planning and coordinating the issuance of isometrics.
- Coordinated a team for iso checking and model updation for ISO issuing.

PROJECT: AL-WASIT (03/2016 to 05/2016)

Activities:

- As built activity of updation of piping drawings based on the site comments
- Co-ordinating a team of Modellers for issuing the Drawings.

PROJECT: BS-171(Booster station -171) site, in Kuwait. (08/2013 to 03/2016)

CLIENT – KOC (Kuwait Oil Company)

PROJECT DESCRIPTION: The BS-171 plant is designed to export conditioned gas and treated condensate.

ROLE: FIELD PIPNG ENGINEER in BS-171 SITE.

Activities:

- Involved in field engineering activities such as supporting construction and resolving site issues.
- Prepared the Field Design change notice (FDCN) for site modifications.
- Preparation of bill of material for the revision of Purchase Requests (PR).
- Involved in review of Vendor documents & subcontractor drawings.

- Prepared and issued drawings such as plot plan, piping GA, UG composite layout etc., for KOC approval.
- Worked in material Management team, to perform Material Feasibility analysis for supporting piping fabrication and erection activities.
- Coordinated with warehouse and construction for issuing the piping materials.

PROJECT: ONGC C -26 Clusters and B-173A-B Well Platform Project (02/2013 to 08/2013)

PROJECT DESCRIPTION: This Project involves a detailed design, engineering, and procurement of four ONGC new offshore well platforms (C-26, B-12-1, C-23 and B-173A-B).

ROLE: AREA ENGINEER

Activities:

- Worked in a team for the Preparation of Offshore Equipment layouts.
- Preparation of Weight control report for offshore platforms (Deck wise).

PROJECT: BS171 PROJECT (05/2012 to 02/2013)

PROJECT DESCRIPTION: The BS-171 plant is designed to export conditioned gas and treated condensate.

CLIENT – KOC (Kuwait Oil Company)

ROLE: AREA ENGINEER

Activities:

- Worked under Area lead in the design development of LP& HP Compressor area in the plant.
- Involved in Compressor piping design in Booster station.
- Ensure the design of all new lines modelling.
- Providing civil inputs such as Rack & structural load inputs, platform details.
- Reviewing of Vendor documents.
- Coordination with interdisciplinary department.
- Co-ordinating a team of modellers and checkers for Iso issuing.
- Monitored the quality of isometrics and ensuring the isometrics issue as scheduled.

PROJECT: QP-RAS LAFFAN COMMON SEA WATER PROJECT-PHASE III (08/2011 TO 04/2012)

PROJECT DESCRIPTION: It's a FEED project for extending a cooling water supply to new end users in Ras-laffan industrial city in Qatar using FRP pipes.

ROLE: AREA ENGINEER

Activities:

- Prepared Piping Design basis.
- Layout Study done for Cooling Water supply to the new End users.
- Tie-in study done for New/ Future Connections from Existing facilities.
- Co-ordinated a team for preparation of Plot plan, key plan, schematic layout and piping general arrangement drawings.
- Checked all the piping GA drawings and other piping documents.
- Coordination with other disciplines.

PROPOSAL: MAFUMEIRA / GRANCHACO PROPOSAL (05/2011 TO 08/2011)

This Proposal belongs to the design and layout of process and utility piping for offshore oil and gas production facilities.

Activities:

- Layout study for Process and Utility piping of Offshore design.
- MTO Taken/checking and loading in PICOM.

PROJECT: MANIFA PROJECT (09/2010 TO 05/2011)

PROJECT DESCRIPTION: It's an EPC project in Saudi Arabia.

Activities:

- Worked in Hydro test package numbering in P & ID's.
- Updation Of Line list.

STRENGTHS:

- Well Planning and Capable of managing the work effectively, to achieve the targets.
- Working with team spirit.
- Highly motivated, Initiative and dedicative towards work.

PERSONAL DETAILS:

Date of Birth	:	24/7/1988
Marital Status	:	Married
Nationality	:	Indian
Passport No	:	L2560050
Current address	:	Valasaravakkam, Chennai.
Permanent Address	:	No.44/5, Sakaji Street, Kumbakonam-612001, INDIA.