

Jaydeep Paul

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Nationality : Indian

Passport no : Z3591307 issued on 09/02/2016 from Ghaziabad valid upto 08/02/2026.

Date of Birth : 29-12-1978

**Present Designation : Piping Manager
Present Organization : SIF Systems India**

Qualification

- ❖ **Passed BE(Mechanical) with First class, Karnataka University in the year 2001.**

Software Proficiency

- ❖ **Caesar-II 2018 & All old ver.**
- ❖ **PDS Ver 7.1 (All Ver)**
- ❖ **Smart Plant Review**
- ❖ **Smart Plant P&ID**
- ❖ **Navis Works Jetstream V5**
- ❖ **Micro station V7 & V8**
- ❖ **LFM Viewer**
- ❖ **Auto CAD All Ver**
- ❖ **Smart Sketch**
- ❖ **Acrobat Professional**
- ❖ **Microsoft Office:
MS Word, MS Excel, MS Power Point**
- ❖ **H-SPOOL**

20 Year's of experience in the field of Piping EPC: Oil, Gas, Chemical, Petrochemical & Fertilizer Projects.

Foreign Experience: 4 Years 10 months (US, Seoul, Dubai & Uzbekistan)

Engineering Experience: 18 Years 8 Months.

Construction Experience: 1 Year 4 Months

Worked as Piping Lead Engineer: 10 years.

Experience includes:

Piping Engineering Onshore Petrochemical ,Oil and Gas Projects(Total 18 years Experience)

- Raageshwari Deep Gas Field Development, Project for Vedanta Limited,Petrofac Engg
- GTL Project-Oltin Yo'l GTL, A JV between Uzbekneftegaz, Sasol & Malaysia's Petronas,Uzbekistan
- North East Bab (NEB) phase three,ADCO, Abu Dhabi
- GR5 Compressor station,Algeria
- SASOL EO & MEG Unit FEED project,Samsung Engineering America Inc.
- CBDC project for Takreer , Abu Dhabi
- Nitrile Butyl Rubber (Latex) Plant - FEED Project for Bangkok Synthetic Co. Ltd BST
- MEG Project for IOCL , PANIPAT
- DFCU Project for OPAL , DAHEJ
- Samsung Total-Aromatics Sulphur Recovery Unit.
- Borouge OCU Project, Dubai
- Ras Laffan-Ethylene Project.
- Oxy Chem PVC Project,Occidental Petroleum,Pasadena,USA
- CCR-Catalytic Cyclemax Regeneration Plant,HPCL
- Ras Gas

Piping Engineering Onshore Fertilizer Projects(Total 2 years Experience)

- Burrup Fertilizer Project, Australia
- IFFCO Energy Saving-Aonla-I & II,Phulpur-I & II and Kalol Plants
- Indo-Oman Fertilizer Project (Omifco)

Accomplished in (Accomplishments)

Stress Analysis Jobs Accomplishments:

- Stress Analysis of Pipelines of Rumaitha & Shanayel Facilities-Phase-III,NorthEast Bab,ADCO, 120 km Underground & Above ground 26" Oil Export Pipeline.
- Stress Analysis of API 10000 Gas Injection Pipeline of 23.5 Km.
- Stress Analysis of Water Injection Pipeline of 24 Km.
- Man Hour Estimation, R&R Preparation & Man Power Planning.
- Inter-department coordination and coordination with vendor & client
- Preparation of ITB summary/ Query ,flexibility spec & Work Instructions
- P&ID Mark-up
- Stress critical line list preparation
- Selection of Pipe supports, spring and rod hangers.
- Designing of special support.
- Model analysis for frequency check.
- Trunion check.
- Analysis of Sphere, Pump, Exchangers, Vessels, Column, Reboiler, Fire Heater, Plate fin Exchanger, Air Coolers connected lines

- Analysis of blower lines
- Combine analysis of Suction and Discharge Lines of Reciprocating Compressor and for Centrifugal compressor.
- Combine analysis of turbine lines.
- Analysis of FRP/GRP lines.
- Analysis of PSV lines (open and close)
- Seismic and Wind analysis for lines
- Analysis of line up to Super Critical Lines with High temperature 550 deg c to -230 deg c .
- Analysis of flange leakage as per ASME Section VIII and pressure equivalent method.
- Preparation of spring material requisition.
- Preparation of expansion joint material requisition
- Preparation of many work instruction of wind, seismic, dynamic analysis, jacket pipe etc.
- Preparation of ITB summary/technical Query.
- WRC 107/297
- Knowledge of International codes and standards.
- Worked as co-coordinator for checking of critical piping stress analysis work done by Engineers India Ltd. In PDIL.
- Completed Cross Country Pipeline for Burrup Fertilizer Project (Ammonia Transfer line from Ammonia storage tank to loading station at Jetty) in PDIL
- Piping Stress Analysis of Catalytic Cyclemax Regeneration Plant in Technip KTI.
- Carried out stress analysis of Ammonia line between storage tank and Ammonia transfer pumps for Indo–Oman Fertilizer Project.
- Worked as Stress lead Engineer for Opal DFCU project, STC Project
- Worked as Piping stress Lead Engineer for Catalytic Cyclemax Regeneration Plant in Technip KTI.
- Worked as quality checker for Piping stress analysis jobs.

PDS Jobs Accomplishments:

- 3D Modelling for Underground sloped and normal lines in CBDC Project, Samsung Engg.
- 3D Modelling for Reactor Lines of Oxy Chem Pasadena project, Technip Houston.

Piping/Pipeline Material Jobs Accomplishments:

- Preparation of Pipeline Material Specification for Pipelines of Rumaitha & Shanayel Facilities-Phase-III , North East Bab, ADCO.
- Pipeline Valve Data Sheets for Pipelines of Rumaitha & Shanayel Facilities-Phase-III, North East Bab, ADCO.
- Pipeline Material Requisition for Flanges, Fittings, Valves.
- Piping Material Specification for CCR-Catalytic Cyclemax Regeneration Plant, HPCL

Smart Plant P&ID Accomplishments:

- Ras Gas Project Avineon India Pvt Ltd.

Areas of Competence/ Specialization:

- ❖ Piping Stress Analysis
- ❖ PDS/ PDMS Modeling
- ❖ Smart Plant P&ID

Career Profile

Jan 2021-Present with SIF Systems India In Noida, India as Piping Manager for development of piping engineering team, business development and procurement activities.

Past Employers

Oct 2018-Dec 2020 with Petrofac Engineering Services India Pvt Ltd. In Gurgaon, India as Senior Piping Engineer for project Cairn Energy ,Piping Stress Analysis job execution and review.

June2017- Oct 2018 with Enter Engineering Pte Ltd in Uzbekistan as Piping Lead Project Engineer for Project OLTIN YO'L GTL ,Uzbekistan.

Deputation to Hyundai office at site for checking and review of Piping Stress Analysis job.

Leading a Piping Project and Construction Team.

Meeting with client and reporting Piping job progress / Piping status of the project

Managing Engineers to perform by maintaining, time, cost, quality and standards.

Creating scope of work.

Monitoring project schedule & status

Monitoring daily work and activities of Engineers & accordingly report generation.

Preparation of Piping Spool Drawing.

Pipe Spool welding history.

Test Packages for Underground Pipe lines.

Lifting and Transportation Route Plan & Rigging Plan.

Checking of Piping Isometric Drawings and Piping Spool Drawing for Underground lines

Preparation and checking of Piping Section Drawing.

Checking of Vendor Documents.

Preparation of Vendor bid Evaluation

Job planning and scheduling.

Checking and controlling of Piping material

Mar 2014 to June 2017 for Dodsai Engineering Pte Ltd, Dubai

July 2015 to June 2017 in Dubai for Stress Analysis of Pipeline, NEB as Principal Pipeline Stress Engineer.

July 2014 to July 2015 worked in Seoul for Stress Analysis of Pipeline, NEB as Principal Pipeline Stress Engineer.

March 2014 to July 2014 worked in GR5 compressor station Project ,Algeria as Principal Piping Engineer.

Mar 2007 to Mar 2014 for Samsung Engineering India Pvt Ltd
Piping Stress Analysis for
IOCL MEG, Panipat
Opal DFCU, Dahej
SASOL EO /MEG, Lake Charles, USA
STC Aromatics (Sulphur Recovery Unit)
Borouge OCU, Dubai
Piping Layout for
CBDC Takreer Abu Dhabi

Sept 2013 to March 2014 worked in **CBDC** project for Takreer (Abu Dhabi) as Layout Engineer
PDS for Underground Piping of Hydrogen Unit.

Sept 2012 to Sept 2013 worked in **SASOL EG/MEG FEED** Work-share Project with Samsung
Engineering America and India as Piping Stress Lead Engineer for Piping stress and support
engineering job.

Jan 2012 to Aug 2012 worked in **STC-A2 AROMATIC COMPLEX, South Korea** as area lead
Engineer

July 2011 to Dec 2011 worked in **all stress activities (ITB Query, ITB Summary)** as a Lead
Engineer for Various proposals.

Jan 2010 to Jun 2011 worked in **DFCU Project** for OPAL, DAHEJ (India) as a Area Lead Engineer.

Jan 2009 to Dec 2009 worked in **Nitrile Butyl Rubber (Latex) Plant - FEED Project** for Bangkok
Synthetic Co. Limited BST (d) Rayong, Thailand as Piping Stress Lead Engineer

Oct 2008 to Dec-2008 worked in **MEG Project** for Indian Oil Panipat Refinery (India) as key person
for Piping stress Analysis.

July 2008 to Sept 2008 worked in **Olefins conversion unit Project** for Borouge Abu Dhabi
Piping stress Analysis

July, 2007 to Dec-2008 worked in **MEG Project** for Indian Oil Panipat Refinery (India) as Key
person for Piping stress Analysis

Jan 2005 to Mar 2007 for Technip KT India Ltd., Noida,
Piping Stress Analysis for
Ras Laffan-Ethylene Project.
CCR-Catalytic Cyclemax Regeneration Plant, HPCL
PDS Modelling for Oxy Chem PVC Project, Occidental Petroleum, Pasadena, USA.

Aug 2004 – Jan 2005 for Avineon India Pvt Ltd., Hyderabad, Piping Engineering
PDS modeling for Ras Gas
Smart Plant P&ID Jobs for Ras Gas

Oct 2003-Aug 2004 for Projects and Development India Ltd. (PDIL), Noida
Piping Engineering Department
Piping stress analysis in Caesar-II for Burrup Fertilizer, Australia, Oswal
Piping Stress Analysis in Caesar-II IFFCO Energy Saving-Aonla-I & II, Phulpur-I & II and Kalol
Plants

Aug 2003 – Oct 2003 for Dalal Mott Macdonald, Noida, Piping Department
Preparation of Piping Layout, Generation of Isometrics
from Piping Layout, P&ID and to estimate BOQ, etc for Apollo

Oct 2002- Aug 2003 for Projects and Development India Ltd. (PDIL), Noida
Piping Engineering Department
Indo-Oman Fertilizer Project.

Apr 2002- Sept 2002 for Coperion Ideal Pvt Ltd., Noida, Design and Manufacturing Department, Reliance Industries project.

Mar2001 – Mar2002 for Sharp Tanks and Structural Pvt Ltd., Mumbai, India

Foreign Deputation / Visits

- ❖ **Dodsal Engineering & Construction Pvt. Ltd, Seoul, from 08th July 2014 to July 2015, In Seoul GS Engineering & Construction** for Stress Analysis using CAESAR-II 2014 of Pipelines Rumaitha & Shanayel Facilities-Phase-III, North East Bab, ADCO.
- ❖ **Samsung Engineering Corporation Ltd, Seoul, South Korea**, Head office from **2nd July 2008 to 24th Sept 2008** in Specialized Piping Department for handling Borouge OCU Piping stress Analysis Project using Caesar-II 5.10.
- ❖ Attended Orientation Program in **Samsung Engineering Corporation Ltd ,Seoul, South Korea** from **July 1, 2007 to July 6, 2007**.
- ❖ **Technip Corporation, Houston, Texas USA**, from **13th May 2006 to 13th July 2006** for their OXY CHEM, Pasadena PVC Project to handle piping and equipments layout in PDS, Piping detail engineering and Stress Analysis of piping using Caesar-II, etc.

Employment History

- ❖ **Jan 2021 to Present** : SIF Systems India, In Noida, India
Designation: Piping Manager- Piping Engineering/Business development team.
- ❖ **Oct 2018 to Dec 2020:** Petrofac Engineering Services India Pvt Ltd. In Gurgaon, India
Designation: Senior Piping Engineer- Piping Engineering Department.
- ❖ **Jun 2017 to Oct 2018** : Enter Engineering Pte, Ltd., Qarshi, Uzbekistan
Designation: Piping Project Engineer-Mechanical & Piping Department GTL Site.
- ❖ **Mar 2014-Jun 2017:** Dodsal Engineering and Construction Pte.Ltd ,Dubai ,Piping Department.
Designation: Technical Manager/Principal Engineer–Piping.
- ❖ **Mar2007–Mar2014:** Samsung Engineering India Pvt Ltd, Noida, Piping Engineering Department
Designation:
1)Assistant Manager–Piping From 20.04.10-10.03.14
2)Senior Engineer-Piping From 09.03.07-20.04.10.
- ❖ **Jan 2005-Mar2007:** Technip KT India Ltd., Noida, Piping Engineering Department
Designation: Design Engineer – Piping.
- ❖ **Aug2004-Jan 2005** : Avineon India Pvt Ltd., Hyderabad, Piping Engineering Design
Designation: CAD Engineer – Plant Design Automation
- ❖ **Oct 2003-Aug 2004:** Projects and Development India Ltd. (PDIL), Noida
Piping Engineering Department
Designation: Mechanical Engineer (Piping)
- ❖ **Aug 2003–Oct2003:** Dalal Mott Macdonald, Noida, Piping Department
Designation: Mechanical Engineer (Piping)

- ❖ **Oct2002-Aug2003:**Projects and Development India Ltd. (PDIL), Noida
Piping Engineering Department
Designation: Piping Engineer
- ❖ **Apr2002-Sept2002:** Coperion Ideal Pvt Ltd., Noida, Design and Manufacturing Department
Designation: Engineer (Piping) at Fabrication Workshop and Design
- ❖ **Mar2001-Mar2002:** Sharp Tanks and Structural Pvt Ltd., Mumbai, India
Designation: Piping Engineer at Fabrication Workshop and Design.