

VIRAM DHIMANT (Piping Engineer)

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Objective:

To serve an organization in a way that would provide better technical and professional support and achievement to the organization, and thus enhance my professional career, through sincere work involvement and a positive professional approach.

Professional Profile:

- A Highly Motivated, Dynamic and Result oriented individual with rich hands on experience in Piping Detail Engineering Design/Drafting and related engineering aspects.
- Good Working Knowledge of **3D-Modeling** Softwares like **PDS & PDMS**.
- Developing Piping General Arrangement Drawings, Support Details, Equipment Layout, Nozzle Orientation Drawings in drafting software like **Microstation & AutoCAD**.
- Conversant with various codes and standards applicable to piping engineering such as **ASME, ASTM, NACE, API, OISD**, etc.
- Reviewing & Checking Piping Isometrics for Accuracy, Constructability, & Accessibility compliance with Operation & Maintenance requirements.
- Complete Co-ordination with Internal Departments.
- Extensive computer-related experience in **PDS-3D, PDMS, Auto-CAD, Microstation, Navis Works, Smart Plant Review**, Microsoft Office, and other software programs.

Training Detail:

- Completed “**Designer’s Training Program for L & T Diploma Trainee Engineer**” in Piping discipline organized by Vishwakarma Institute of Technology, Pune.
- Training on **PDS Software** at Rolta India Ltd. Vadodara.
- In house training on **PDMS Software** by L&T-Chiyoda Ltd.
- Assigned as student Intern Program in L&T-Chiyoda Ltd by Nirma Institute.

Work Experience:

Employer: L&T Chiyoda Limited, Vadodara -August 2007 to Till Date (Joined as DET)

Detail Engineering Project Handled:

(1) NSR (Nghi Son Refinery, Vietnam)

Client : Nghi Son Refinery & Petrochemicals LLC
Unit : RHDS (Residue Hydrodesulpherizer Unit)
Period : Nov - 2014 to Feb - 2015

Responsibilities:-

- Responsible for the execution of assigned work, in accordance with applicable standards and procedures, and within the man-hour budgets/schedule targets.
- Responsible for **3D modeling on PDS** software of piping modeling & Support modeling for **Steam Tracing** in Heater Reactor and High Pressure separator unit.
- Prepared and planned **Steam Tracing diagram**.

(2) Egypt Refinery Company (ERC) Project

Client : Egyptian Refining Company (ERC)
Unit : Sour Water Stripper/Amine Regeneration Unit (SWS/ARU)
Period : Sep - 2012 TO Nov - 2014

Responsibility:

- Review of basic engineering package / ITB and checklist in detail and identify queries in details with supervisor and ultimately client.
- Responsible for **3D-modeling on PDMS** software of Piping Modeling, Equipment Modeling, Support & Structure Modeling for **Under Ground area of SWS\ARU unit**.
- Responsible for the execution of assigned work, in accordance with applicable standards and procedures, and within the man-hour budgets/schedule targets.
- Involved in 3D model review (30%, 60% & 90%) with client at various stages of the project.
- Planning and modeling of UG network for Amine Drain, Sour Water Drain, Oily Sewer drain, Close Drain, Potable Water, Contaminated Waste Water System.
- Preparation and checking of **2D deliverables** like UG Composite, equipment Nozzle and Platform Orientation drawings and Pipe Support Cleat Data of equipments in **2D- AutoCAD** software.
- Checking of Piping Isometrics, Piping GAD's in view of operating, maintenance and construction considerations.

(3) BUGIS (Bukom Gasoil Investment Strategy, Singapore) Project

Client : SHELL Eastern Petroleum (Pte) Ltd.
Unit : Hydro Desulphurization (HDS-5)
Period : Apr - 2011 to Sep - 2012

Responsibility:

- Review of basic SHELL DEP Standards and responsible to implement in design and engineering.
- Responsible for Preparation of Final Equipment Layout.
- Responsible for **3D modeling on PDS** software of piping modeling, Equipment modeling, Support & Structural modeling.
- Responsible for modeling for 200+ lines of HDS-5 Unit.
- Prepared Structure loading data, Civil information drawings, Nozzle orientation drawings and GADs in **2D - Microstation**.
- Involved in 30%, 60% & 90% Model Review with Client & In-house functional departments.
- Responsible for checking & issuance of IFC isometrics.
- Close co-ordination with Stress/Flexibility group for Stress Critical Systems & its supporting.
- Responsible for issuance of various IFC piping documents such as Special Pipe Supports & GADs.
- Responsible for inter-department interfacing and issuance of information drawings to other functional departments like pipe support clip, platform and ladder information for Equipment, Stanchion, pipe support pedestals, pipe cut-out information.

(4) Hydrogen Generation Unit, Mangalore

Client : Mangalore Refinery & Petrochemicals Limited
Unit : Hydrogen Generation Unit (HGU)
Period : Aug - 2009 to Apr - 2011

Responsibility:

- Review of Standards and responsible to implement in design and engineering according to Std.
- Responsible for **3D modeling on PDS** software of piping modeling, Equipment modeling, Support & Structural modeling.
- Responsible for modeling for 150+ lines of HG Unit.
- Prepared Structure loading data, civil information drawings, Nozzle orientation drawings and GADs in **2D- Microstation** software.
- Responsible for checking & issuance of IFC isometrics.

- Responsible for issuance of various IFC piping documents such as special pipe supports & GADs **2D- Microstation** software.
- Co-ordination with Sunrise Consultancy for preparing, Checking and issuing GADs.

(5) LOBS (Lube Oil Base Stock, Mumbai)

Client : HPCL – Mahul, Mumbai
 Unit : Lube Oil Base Stock Upgradation Project
 Period : Jan - 2009 to Apr - 2009

- Responsible for Generate GADs in **PDS-Drawing Manager** Module 170 Nos.
- Responsible for developing GADS & issued to client.

(6) Pearl GTL Project, Qatar

Client : Qatar Petroleum & Shell GTL Ltd.
 Unit : Sulphur Recovery Unit (SRU), Chilled Water System (CWS)
 Period : Mar – 2008 to Jan -2009

- Responsible for Generate GADs in **PDS-Drawing Manager** Module 1200 Nos.
- Responsible for Checking of GADs & Issued to client
- Managing team of 08 employees to develop GADs.

(7) SRU (Sulphur Recovery Unit, Vadodara)

Client : Indian Oil Corporation Limited, Vadodara
 Unit : Sulphur Recovery Unit (SRU)
 Period : Jan – 2008 to Mar - 2008

- Responsible for **3D modeling on PDS** software of piping modeling, Equipment modeling.

Pre-Bid Project Handled:

(1) ONGC Mangalore Petrochemical Limited (OMPL), Mangalore

Client : Mangalore Refinery & Petrochemicals Limited
 Unit : LSTK-1, Naptha Hydro Treating Unit (NHTU)
 Period : Apr - 2009 to Aug - 2009

Responsibilities in Pre-Bid Project:

- Responsible for Preparation and issuance of Bid Equipment Layout with value engineering aspects to minimize the overall cost of engineering as well as erection cost.
- Responsible for Preparation & issuance of P&ID MTO as well as Piping Routing MTO.
- Preparation of Dummy Model of piping and equipment for better representation of bid proposal towards client on **3D-PDS** Software.
- Preparation of isometrics sketches for proper estimation of piping MTO.
- Responsible for the inter department interfacing.

FEED (Front End Engineering Design):

(1) Indmax FCC Unit, Vadinar

Client : Essar Oil Limited
 Unit : Fluid Catalytic Cracker (FCC)
 Period : Feb - 2015 to Sep - 2015

Responsibilities:

- Responsible for Preparation of Final Equipment Layout.
- Responsible for piping modeling of **Pipe Rack, Battery Limit**, in **3D-PDS – Piping Module**.
- Responsible for piping of PRU (Propylene Recovery), VRU (Vapour Recovery), RR (Reactor Regenerator) **Pipe rack**.
- Preparation of Civil Load Data and Battery Limit Drawing.
- Participated in 30%, 60% & 90% of model review with client and satisfied them with earning their appreciation on piping modeling.
- Issuance of Final MTO for better estimation of project.

Computer Exposure:

- **3D Modeling Software** : Plant Design Management System (PDMS), Plant Design System (PDS)
- **3D Review Software** : Smart Plant Review, Navis works.
- **2D Software** : Microstation, Autocad, Drawiz.
- **MS Office** : MS Word, Excel, PowerPoint.

Academic Details:

- Completed **Bachelors in Mechanical Engineering – Oct-2016** with **First Class** from Maharaja Sayajirao University, Vadodara.
- Completed **Diploma in Mechanical Engineering – June-2007** with **First Class** from Nirma University, India.

PERSONAL DETAILS:

- **Date of Birth** : April 14'1986
- **Marital status** : Married
- **Present Location:** Vadodara, India
- **Nationality** : Indian

DECLARATION:

I hereby declare that the information given above is true to the best of my knowledge and belief.

(Viram Dhimant)