

Curriculum Vitae

ISHWAR DIGHADE
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Position Sought: Sr Piping Engineer

Career Objective:

To develop as an eminent engineering professional with good technical knowledge and interpersonal skills. To enhance the technical knowledge with an attitude to learn and explore. To develop as a good team leader and seek a position to implement twin benefits of acquired experience and technology to contribute to the organization and the industry.

Education

Institution: The Institution of Engineers (India)
Location: Kolkata, India
Completion: 2014
Qualification: AMIE

Institution: Aryabhat Polytechnic
Location: New Delhi.
Completion: 2001
Qualification: Diploma in Mechanical engineering

Professional Experience

Summary: Piping Engineer with an experience of 16+ years in Process plants and Oil and Gas industry. Working experience in designing and development of Plant layout and Piping systems. Involved in Plot plan & Equipment Plant layout preparations. Coordination and communication with interdiscipline and Prime offices.

Software Exposure

Smart Plant 3D (SP3D ver. 2009, 2011, 2016)
Plant Design Management system (PDMS ver 11.5)
Plant Design System (PDS 3D ver 7.02)
Smart Plant Review (SPR Ver 2012, 2014)
PDS-2D Ver 7.0
Smart Plant P&ID Ver 4.1,2014 R1
Microstation Ver 7.1
AutoCAD 2014, 2019

Overseas Assignment

Gbaran Ubie IOGP	Camberley, UK	April'06 to Sept'06
Nexen Kinosis 1A SAGD Project	Calgary, Canada	Jan' 12 to Mar'12
UNF Project, IGCC Project (ICT)	Yokohama, Japan	Feb' 18 to Jul' 18

Career Summary (Jan 2004 till Present)

Piping Engineer- MHI Engineering and Industrial Projects Pvt Ltd (MEIP) Gurugram, Haryana (Oct 2012 to Present)

Russian Volgograd Methanol (RVM) Project-FEED, Russia (Mar 20-Aug '20)

Worked as Layout lead for 3D Modelling–Plot Plan & Equipment layout as per inputs provided by MHIE. Responsible for piping design and development of area including the Columns, Vertical vessels, Shell & Tube Heat Exchangers, Plate Heat Exchanger & Tanks, Piperacks etc.

Responsibility:

- Plot Plan development, Equipment layout updation in S3D
- Equipment modeling and preliminary structural/Building modelling in S3D
- Piping layout and development for the major process lines identified by MHIE

Ghorasal Polash Urea Fertilizer Project (GPUFP), Polash, Bangladesh (Jan 20-Feb '20)

3D Modelling for CDR area in Ghorasal Polash Urea Fertilizer Project (GPUFP).Responsible for piping design and development of area including the Columns, Shell & Tube Heat Exchangers, Plate Heat Exchanger & Tanks etc.

Responsibility:

- Plot Plan development, Equipment layout updation in S3D
- Equipment modeling and Piping layout in S3D environment

Middle Scale Co2 Recovery Project Phase-2 (Modularization Study) MHIE Yokohama (Oct 19-Dec '19)

3D Modelling for Middle Scale Co2 recovery Project Phase-2 with capacity of 500 MTPD (Modularization Study).

Responsibility:

- Plot Plan development, Equipment layout (Feasibility study for modules)
- Equipment modeling and Piping layout in SP3D environment
- Optimization of piping layout for module study.
- MHIE comments incorporation in model.

Mini Methanol Project (Modularization Study), MHIE Yokohama (Aug '19- Sep 19)

Worked as the Layout Lead for Mini Methanol Project (Modularization Study).Responsible for 3D Modelling of Plot Plan and Equipment Layout as provided by MHIE in SP3D. Piping Design and Layout development of main Process lines as identified by MHIE in reference P&ID's.

Responsibility:

- 3D modelling of Plot Plan & Equipment layout in SP3D.
- Equipment modeling and Piping layout in SP3D environment
- Layout of piping from Piping & Instrumentation diagrams
- MHIE layout comments incorporation

Middle Scale Co2 recovery Project, MHI Yokohama (Modularization Study) (Nov 18-May '19)

Worked as the Layout Lead for Middle Scale Co2 recovery Project with capacity of 500 MTPD Modularization Study). Responsible for Design and Layout development of area including the Vertical Vessel, Shell & Tube Heat Exchangers, Plate Type Heat Exchanger & Tanks.

Responsibility:

- Plot Plan development, Equipment layout (Feasibility study for modules) & Module Outline drawings.
- Equipment modeling and Piping layout in SP3D environment
- Layout of piping from Piping & Instrumentation diagrams & Loading Data preparation (Till 60% Model Review Stage)
- Providing stress isometrics for stress analysis
- To Do List, Interference check in SP3D
- Inter discipline coordination & conducting Model Reviews (30% and 60%) with MHI.

UNF Project & IGCC Project, MHI, Yokohama, Japan (Feb '18 to July '18)

Deputed to Yokohama, Japan on Intra Company Transfer (ICT). Worked as support to SP3D administrator in UNF Project. Responsibilities included the checking of Valve data with respect to AllCodeList.xls, Catalogue data in SP3D, BOQ check for Piping Support standard & SP3D Model check Reports. Worked in IGCC Project for back drafting of isometrics and updating the model as per Area Supervisor's comments.

300 MTPD Turkey Ammonia Project, Turkey (Sep '14-Jan '18)

Worked as Layout lead for 300 MTPD Turkey Ammonia Project. Responsible for the design development activities that include Plot Plan development, Equipment layout, Piping design and development, supervise design team activities and interdisciplinary coordination.

Responsibility:

- Plot Plan Development, Equipment modeling and Piping layout activities in SP3D environment
- Equipment layout, Nozzle orientation, L&P arrangement of Vessels & Columns
- Layout of piping from Piping & Instrumentation diagrams
- Providing stress isometrics for Preliminary stress analysis
- Squad Check of Equipment Vendor Drawings
- Conducting Model reviews with Client and Tag Closure activities
- Isometrics planning & Checking
- Inter discipline coordination

CDR Project, LNG Regasification Terminal Project, IOCL- Oxo-AA Plant (Feasibility Study) (Oct'12-Aug '14)

Worked as the Area Lead in CDR Project with capacity of 450 TPD, LNG Regasification Terminal Project and IOCL- Oxo-AA Plant (Feasibility Study). Responsible for Design and Layout development of area including the Vertical Vessel, Shell & Tube Heat Exchangers, Plate Type Heat Exchanger & Tanks.

Responsibility:

- Plot Plan Development, Equipment modeling and Piping layout in SP3D environment
- Equipment layout & Nozzle orientation of equipments
- Layout of piping from Piping & Instrumentation diagrams & GAD's for LNG Regasification Project
- Providing stress isometrics for Preliminary stress analysis
- Extraction of Fabrication isometrics & Troubleshooting, Interference check in SP3D
- Inter discipline coordination

Piping Designer-Fluor Daniel India Pvt Ltd

New Delhi, India

(January 2004 to Sept 2012)

Nexen Kinosis 1A SAGD Project (Nexen), Calgary, Canada (Dec'11 to Sep' 12)

Working as the Area Lead in Kinosis 1A SAGD project. Responsible for Design and Layout development of area including the Vertical Vessel, Shell & Tube Heat Exchangers, Air coolers, Horizontal Drum & Piperack. Deputed to Calgary office (3 months) as SP3D resource for supporting the design team on SP3D modeling and expedite the model development activities for 30% Client Model review.

Responsibility:

- Incorporation of 30% Client Model Review comments
- Equipment layout & Nozzle orientation of equipments
- Layout of piping from Piping & Instrumentation diagrams
- Equipment modeling and Piping routings in SP3D environment
- Inter discipline coordination for 30% Model review tag closure
- Providing stress isometrics for Preliminary stress analysis

Rivers Acid Plant Replacement Project (Conoco Philips), UK (Dec'10 to Nov'11)

Worked as Area Lead for ISBL/OSBL Area in Wet Sulfuric Acid Plant (WSA). Responsible for design and development of OSBL area connecting Existing TIE INS and ISBL, Sulfuric Acid Unit. Involved in interdisciplinary coordination and communication with workshare office and reviews. Worked in SP3D environment.

Responsibility:

- Design & Development of ISBL area.
- Piping layout including the supporting of piping using standard supports/special supports by stress.
- Submitting stress isometrics for analysis. Incorporating supports and routing changes by stress.

- Equipment modeling as per Vendor drawings, Nozzle orientation and Squad check of Vendor Drawings.
- Squad check of Civil and Structural drawings.
- Close out of Model Review Tags.
- Updating of progress in MPSU.
- Supporting of Non critical lines and raising requirements for Miscellaneous pipe supports(MPS)
- Extraction of Isometric , Back drafting of Isometrics, Nozzle report, Equipment list & Bill of Material using SP3D
- Resolving TO DO list in SP3D and Clash check in Model
- Initiation of FDCN/NFDC for P&ID mark ups

Sakhalin-1, Chayvo Onshore Expansion Project, Russia (April'10 to Nov'10)

Worked as Designer for Water Module Piperack (42PW) and Water Storage Area (5231).
Involved in the review and Checking of isometrics for Main Water Module

Responsibility:

- Work Includes piping layout and designing
- Locating Utility Stations & Layout of utility piping
- Developing of Utility P&ID's as per Layout
- Water Storage Tank Piping ,Reviewing of Vendor drawing, Commenting for PS/PG requirement on Vendor Drawing
- Supporting of Stress Critical lines as per Stress comments
- Updating line routing to meet stress requirements
- Supporting of Non critical lines and raising requirements for Miscellaneous pipe supports(MPS)
- Equipment modeling as per Vendor Drawings and details.
- Extraction of Isometric ,Nozzle report, Equipment list & Bill of Material using PDMS
- Performing Data consistency and Clash check in Model
- Back drafting of Isometrics
- Initiation of PCN/NFDC for P&ID mark ups
- Yellow OFF of Master P&ID' s for issuing Isometrics for Construction

OJSC Taneco, Russia (Oct'09 to April'10)

Responsibility

- Worked in the Isometric Checking for the Sour water Stripper Unit (SWS),
- Review of the project Standards. Maintaining quality of deliverables as per Project requirement and Schedules.
- Checking and review of Jacketed Lines in the Sulfur recovery Unit

Valero Refining Co. New Orleans LLC, St. Charles, Louisiana, United States (Jan'09 to Sept'09)

Responsibility:

- Worked in the Isometric checking for Pipe racks, isometrics with Modularized ,dressed Vessel and Stick Built Philosophy
- Pump Piping & Exchanger Piping

- Verification and checking of Nozzle Reports
- Meeting Project Schedules with regards to:
 - Client Satisfaction
 - Target/Committed Delivery Date
 - Database(s) integrity, quality & accuracy
- Coordinating with Design team and working for quality improvement
- Review of Area using SPR application

Gbaran Ubie Integrated Oil and gas project, Gbaran Ubie Area, Nigeria (April'06 to Dec-08)

Worked as Area Lead for the Design and Development of Central Processing Facility-03, Piperacks. Worked as Area Lead for the Designing of Remote Sites: Zarama Oil Well site and Zarama NAG site.

Responsibility:

- Work Includes piping layout and designing
- Layout of PSV piping, Pig receiver, Pig launcher and Manifold piping, Utility Piping
- Feeding stress inputs for stress analysis
- Incorporating stress comments and supporting
- Supporting of Non critical lines and raising requirements for Special pipe supports from Civil
- Equipment modeling as per Vendor Drawings and details.
- Squad check of Equipment drawings, Civil and structural drawings
- Extraction of Isometric ,Nozzle report, Equipment list & Bill of Material using PDMS
- Performing Data consistency and Clash check in Model
- Back drafting of Isometrics
- Coordination and communication with interdiscipline and interoffice
- Scheduling, forecasting and planning of deliverables
- Close out activities including Revision cycle

Dow Chemicals (Sept'05 to Mar'06)

Worked as Team lead for P&ID drafting and development Team

Responsibility:

- Involved in the P&ID drafting using SPPID software
- Checking of P&ID following DOW Standards, Guidelines and comments
- Delegation and job distribution
- Quality management and scheduling of Deliverables
- Interface with Prime office

Integrated Isocynate Project, Shanghai, China (Jun'05 to Aug'05)

Worked as Team Lead for P&ID drafting and development Team

Responsibility:

- Involved in the drafting of Intelligent P&id's using PDS-2d software
- Checking of P&ID following Standards, Guidelines and comments
- Database updation and data integrity check
- Delegation and job distribution

- Quality management and scheduling of Deliverables
- Interface with Prime office

Habshan Gas complex Expansion Project, Abu Dhabi (Jun'05 to Aug'05)

Responsibility:

- Involved in the drafting of Intelligent P&id's using PDS-2d software
- Checking of P&ID following Standards, Guidelines and comments

Sakhalin-1, EPC-1 Onshore Processing, Russia (April'04 to May'05)

Worked as designer for Module-3 Compressor; Module 35-38 Air Coolers and Module-6 Local Sales gas

Responsibility:

- Work Includes piping layout and designing
- Layout of Air Cooler Piping and utility piping
- Feeding stress inputs for stress analysis
- Incorporating stress comments and supporting
- Supporting of Non critical lines and raising requirements for Miscellaneous pipe supports(MPS)
- Equipment modeling as per Vendor Drawings and details.
- Extraction of Isometric ,Nozzle report, Equipment list & Bill of Material using PDMS
- Performing Data consistency and Clash check in Model
- Back drafting of Isometrics

Personal Information

Name: Ishwar Dighade

Birth Date: 02 Nov 1982

Gender: Male

Nationality: Indian

Marital Status: Married

Passport no: / Visa Status: M0971312/Indian citizenship.

Contact Information

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Phone Number (Resi): -

Languages Known

English, Hindi and Marathi

Place: New Delhi

Date: 02-Dec-2020