## MANISH TIWARI

**E-Mail:** manish\_127543@yahoo.co.in., manish.chem04@gmail.com **Contact No.:** +91-9910272932

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**CORE COMPETENCIES**

* Having 12 years of Engineering Experience in Oil & Gas EPC Projects.
* Experience in the field of Conceptual and Detail Engineering in area of Hydrocarbons, Pipeline, Tank farm, Compressor Station & City Gas Distribution Project.
* Preparation of Operation manual, Control Philosophy, Shutdown Philosophy
* Preparation of Technical Bid Specification, review tender documents, Vendor Coordination.
* Familiar with international codes like API, ASME, NFPA.
* Involved in HSE studies of Pipelines like (QRA, FGDERA, HFE, HAZOP and SIL).
* Familiar with PNGRB norms.

**ACADEMIA**

* B.Tech. in Chemical Engineering, Dr.K.N Modi Institute of Engineering & Technology, Modi Nagar (U.P.), 2007
* B.Tech aggregate 70%.
* 12th from KV Kanpur aggregate 71%.

**Experience**

**October 2010 to till date Punj Lloyd Engineering Ltd., Gurgaon**

**Project Descriptions:**

* Project Name : 32” Natural Gas Pipeline and 14” Natural Gas Liquid Pipeline Project in Oman PROJECT

* Project Description: Oman Oil Refineries and Petroleum Industries Company (ORPIC) and Oman Gas Company (OGC) installing Natural Gas Liquid Pipeline 14" and Natural Gas Pipeline 32" from Fahud to Sohar in Oman. Pipeline length is 300 km.

Client: Oman Gas Company (OGC) and ORPIC, Oman

**Responsibilities:** **Lead Engineer**

* Review of Project Documents.
* Steady State hydraulics for gas Network.
* P&ID Updation and review.
* Review of Contract documents.
* Interdicipline coordination.
* Surge Analysis
* Interface Meeting between the other contractors.
* Project Name : MARINA – LOBP & GMP PROJECT

Project Description: Shell Eastern Petroleum (PTE) Ltd. (SEPL), hereinafter referred to as “COMPANY” intends to establish a Lube Oil Blending Plant (LOBP) and Grease Manufacturing Plant (GMP) to produce a range of lubricants and grease for the Global Market. The Project is known as “Project Marina”.

The objective of Detailed Engineering Project Marina is to build a new 417 MLPA LOBP and 10 KTPA GMP (10kt in the initial phase expandable to 30kt) with expandability potential to increase capacity by 2020. Apart from the LOBP and GMP that COMPANY will build in its allocated land, the Base Oil storage, the Marine Bulk Finished product storage, Packed Product Warehouse and the Jetty will be placed in the common facility. The location for the new project is in Tues., in Jurong Island west of Singapore.

Client: SHELL

**Responsibilities:** **Lead Engineer**

* FEED Validation.
* Development of Design Basis.
* Preparation of equipment and instrument datasheets.
* Hydraulic Calculations
* Preparation PFD, P&ID and UFD.
* Development and updation of P&IDs.
* Review of various interdisciplinary documents like plot plan, equipment layout, pipe routes, GA drawings, Hook-up diagram.
* **Project Name:** **RASS-ISSA OIL STORAGE TERMINAL PROJECT**

Project Description: Safer Exploration and Production Operations Company (hereinafter referred to as ‘’SEPOC’’ or

“Company”) Yemen’s leading oil gas company. SEPOC has planned to construct new storage facilities named as Ras-Issa Oil storage terminal.

The project will comprise of FEED study of new 32” offshore pipeline is dispatching crude from storage terminal to Ghubb Diknaw in Phase-I operation, New 24” offshore bi-directional pipeline is used for receiving & dispatching product (diesel) from / to Ghubb Diknaw in Phase-II operation, Existing 24” offshore pipeline is used for transporting crude from storage terminal to Red Sea in Phase-II operation, New SPM with PLEM and subsea pipeline will be installed at Ghubb Diknaw bay, north of the Peninsula in Phase-I and New SPM replacing existing FSO facility at Red Sea, south of the Peninsula in Phase-II.

Client: Safer Exploration and Production Operations Company, SEPOC (Yemen)

Responsibilities: Engineer

* Preparation of Process Design Basis
* Development of PFDs & P&IDs for Process and Utilities
* Preparation of Process Description and Control Scheme
* Steady State Hydraulics and Transient Analysis using TL-Net.
* Preparation of Equipment List.
* Preparation of Process Data sheet for Storage Tanks, Pumps, Vessels.
* Preparation of Instrument Process Data sheet.
* Preparation of Line Sizing Calculations, Line List & Pressure Drop Calculation.
* Preparation of Pressure Relief Load Calculation.
* Preparation of Operating Control and Safeguarding Philosophy.
* Hydraulic Calculation of PLEM & SPM.
* Co-ordination to other discipline.
* Performed the hydraulic for shipper and booster pumps.
* Providing the inputs for pipeline drawing like pipe plane, pipe rout and isometric for inside plant pipelines and reviewing these drawings.
* Perform the simulation study for depressurization
* Reviewing the surge study reports performed by vender
* Preparing the specification for scraper & launcher, burn-pit, surge skids, hot and cold taping
* Preparation of data sheets for equipment and instruments
* Participated in HAZOP study.

**Nov. 2007 to Oct. 2010 JP KENNY (Wood Group Engineering India Pvt. Ltd. - New Delhi)**

* **Project Name:** **Chainsa-Jhajjar Onshore Cross-Country Natural Gas Pipeline Project**

**Project Description:** M/s GAIL (India) Limited is constructing a new 600 Class pipeline as part of the DVPL and GREP capacity augmentation project. The pipe line will originate at Chainsa (KP 456.75 on the GREP pipeline) and Terminate at Jhajjar, which is approximately 86 kilometers in length.

M/s JP KENNY Pty Ltd, Australia has been retained by GAIL for Project Management Consultancy Services for implementation of New Trunk line of 36” diameter & 86 Kilometers long from Chainsa to Jhajjar, Spur line of 16” diameter & 18 Kilometers long from Bamnouli to PPCL power plant and associated facilities from design to commissioning.

**Client: GAIL India Ltd.**

**Responsibilities: Engineer**

* Prepared Process Design Basis.
* TBA of Metering Skid.
* Analysis of hydraulic calculation.
* Prepared Filtration, Let-down & USM Meter based Metering Skid Package.
* Checked Filter Design Calculation, Pressure drop across Pressure Letdown Skid, Noise Calculation, and Velocity Calculation etc.
* Study of HAZOP Report.
* Prepared PFD & P&ID.
* Prepared datasheet for Filter, USM Meter, Pressure Control Valve & Pressure Safety Valve.
* Site Execution including Fabrication, Inspection, Testing and Pre commissioning.
* Modified the existing P&ID for SIL instrument, change in spec break, line size.
* **Project Name:** **City Gas Distribution Project (CGD Project)**

**Project Description:** M/s GAIL GAS Limited is constructing a new 300 Class pipeline for City Gas Distribution for Kota, Sonepat, Meerut & Dewas City.

**Client:** **GAIL GAS India Ltd**

**Responsibilities: Engineer**

* Prepared Process Design Basis.
* Prepared Compressor Specification.
* Prepared & Checked Metering Skid Specification.
* Prepared P&ID.
* Technical Bid Evaluation for Metering Skid & Compressor Package.
* Prepared Data Sheets including Mechanical & Instrumentation Items.
* Handled Kick-off Meeting for DRS & MRS in GAIL GAS office.
* Checked Technical Documents submitted by the Bidder.
* Handled Pre-Bid Meeting for MRS & DRS & Compressor.
* FAT for Metering Skids for GAIL GAS Project.
* **Project Name:** **City Gas Distribution Project (CGD Project)**

**Project Description:** M/s CUGL is constructing a new 300 Class pipeline for City Gas Distribution for Kanpur & Bareilly City.

**Client:** **CUGL Ltd** **(Central UP Gas Limited, Kanpur)**

**Responsibilities: Engineer**

* Prepared Process Design Basis.
* Prepared Compressor Specification.
* Prepared & Checked Metering Skid Specification.
* Prepared P&ID.
* Technical Bid Evaluation for Metering Skid & Compressor Package.
* Prepared Data Sheets including Mechanical & Instrumentation Items.
* Handled Kick-off Meeting for DRS & MRS.
* Checked Technical Documents submitted by the Bidder.
* Handled Pre-Bid Meeting for MRS & DRS & Compressor.

**Personal Details**

Name : Manish Tiwari

Date of Birth : 01/04/1984

Qualification : B.Tech (Chemical Engineering)

Current Designation : Manager

Current Location : Gurgaon

Notice Period : 30 Days

Permanent Address :Kanpur

DECLARATION

**I declare that the above furnished details are true to the best of my knowledge and belief.**

**Manish Tiwari**