


RAHUL VIJAYKUMAR SHIRKE

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 : Mumbai



Aspirations

To explore my knowledge, skills, abilities and experience to establish myself as a professional in the field of Piping & Design Engineering through innovation, dedication & team efforts to contribute to growth of organization I work for.

Professional Profile

Assistant Engineer at Toyo Engineering India Ltd. - a leading EPC solutions provider (July'2013 till date):

Assistant Engineer with around 4 years of industry experience, my role requires me to plan & execute engineering activities related to piping & design by understanding project forecast & achieve project milestones.

I have been involved in projects from different verticals that included fertilizers, refineries and ethylene cracker with exposure to detailed engineering, site coordination, MTO validation & technical review.

As an Area Engineer I am responsible for managing & guiding a team which includes engineers, designers & third party contractors to successfully issue project deliverables like plot plan, isometrics, equipment layout & GADs.

Project Trainee at Godrej & Boyce Mfg. Co. Ltd. – PED Section (Aug'2012 to Mar'2013):

As **project trainees**, we were assigned with the task of customizing cutting bed of CNC plasma Cutting Machine to provide better work environment to operator and reduce frequency of machine bed maintenance.

Work Overview

- Proficient in preparation & review of piping plans, equipment layout, general arrangement drawings, MTO, mechanical datasheets, etc.
- Preparation & checking of Isometric Drawings as per P&ID, Line List & PMS
- Proficient in handling projects in 3D platforms such as SP3D
- Preparation of Piping Material Specification
- Review & comment on vendor drawings from Mechanical & Instrumentation streams
- Responsible for preparation of bill of material, MTO coordination for proposal activities
- Responsible for daily activity planning, progress measurements
- Interdepartmental communication to other departments & progress report to projects department
- Good exposure to ASME, API & other related codes
- Responsible for the design and development of Piping projects under direct guidance of lead discipline engineer
- Exposure in working on projects under different contracts like EPC/ EPCM/ PMC for FEED / Detail Engineering
- Leading a team of modelers, designers for delivering key deliverables & engineering support
- Finalizing Nozzle orientations
- Expertise in critical piping support designs for a variety of critical services

Organization - Toyo Engineering India Pvt. Ltd. (July, 2013-Till now)

Project-1

Project Title : G3AU, Fertilizer Plant Gadepan, Kota (G3AU)
Client : CFCL
Role : Area Lead (Piping Engineer) Boiler Feed Water & Flare Stack Area
Activities : - Responsible Area Lead for areas with turbines, boiler water pumps, flare stack, Deaerator
- Study of area P&IDs to optimize piping run, supporting & ensure inclusion of process requirements
- Ensuring model readiness for 30%, 60% & 90% client review
- Closeout of Model review comments
- Responsible for Civil Information & Civil IDC for Pipe Rack, technical structures & Local Platforms
- P&ID Mark up & ERI coordination with Process team
- Piping Valve & Bulk MTO coordination
- Critical support Design & Issuance for construction
- Piping Isometric Checking & Issuance for construction
- Piping GAD Issuance to construction site

Project-2

Project Title : FTOL3, Formosa Texas Olefins-3
Client : Formosa Plastic Corporation, Texas
Role : Assistant Engineer (Piping Layout)-Flare Stack & OSBL Rack Area
Activities : - Technical review & evaluation of flare system under the guidance of Responsible Area Engineer
- Utility Piping Layout preparation
- Waste steam & condensate recovery layout preparation
- Piping Isometric Checking
- Critical support Design
- Coordination with stress team for duly assistance in issuing isometrics & critical support drawings

Project – 3

Project Title : RELP, Refinery El Palito
Client : PDVSA, Venezuela
Role : Junior Engineer (Piping Layout) for Flare Stack & ISBL Pipe Rack
Activities : - Responsible for issue for preliminary civil information for pipe rack
- Technical review & evaluation of flare system under the guidance of Responsible Area Engineer
- Coordination with stress team for duly assistance in issuing civil information for pipe rack & T-Posts
- Coordination with civil team for due clearance of civil structural Design & IDC
- SP3D modeling for piping, equipment & Preliminary Civil Structures

Project – 4

Project Title : EEP2-Ethydco Ethylene Cracker Project
Client : Ethydco
Role : Junior Engineer (Piping Layout) ISBL Pipe Rack
Activities : - Piping Isometric Checking & Modeling
- Critical support Design & Modeling
- P&ID Mark up & ERI
- Coordination with stress team for duly assistance in issuing isometrics & critical support drawings

Software Expertise

Sr No	Software	Expertise
1	MS Office	Expert
2	AutoCAD	Expert
3	Catia	Intermediate
4	Smartplant 3D	Expert
5	Smartplant Review/ Naviswork Simulate	Expert

Educational Details

Qualification	Institute	University/Board	Year of Completion	Aggregate
BE Mechanical	Datta Meghe College of Engineering, Navi Mumbai	Mumbai	2013	71.7%
Diploma in Mechanical Engineering	K.J.Somaiya Polytechnic, Mumbai	Autonomous	2010	86.75%
SSC	IES Secondary School, Mumbai	Maharashtra	2006	83.06%

Achievements

- Recognition for roles and responsibilities on major projects
- Awarded TATA Scholarship for excellent academic record

Certification

- Hydraulics & Pneumatics in Automation by TAACT(2010)
- MNRE approved 'Design & Installation of Rooftop Solar Photovoltaic Systems'(2017)

Personal Details

- DOB : 25th July 1990
- Gender : Male

Passions

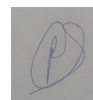
- Trekking, Long Bike Rides, Movies, Books, Long Drives, Music

Declaration

I do hereby confirm that the information given in this form is true to the best of my knowledge and belief.

DATE: 26/10/2017

PLACE: THANE



RAHUL V SHIRKE