


Surabhi Jadhav

Sr. Design Engineer (Static & Rotating Equipment's)



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Date of birth 12/07/1993

LinkedIn

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A competent professional with 4 years of experience as a Sr. Design Engineer at Chemdist Process Solutions, Pune. Can perform static design for various equipment's like Reactor, Distillation Column, Heat exchanger, Scrubber, Wiped Film Evaporators & Agitated Thin Film Dryers, and Storage Tanks etc.

Experience

06/2014 - present Sr. Design Engineer (Static & Rotating Equipment's)

Chemdist Process Solutions, Pune, 411018

Responsibilities:

Design Engineering

1. Studying enquiry specifications of project to fulfill project specific requirements.
2. Arranging kick off meetings for project schedule and bottle necks in Project design.
3. Engaged in designing static equipment's as per various international codes & regulations specified by customers like ASME, TEMA, IS 2825, EN 13445 & API 650.
4. Work allocation among draftsmen according to Project Schedule.
5. Checking general arrangement drawings as well as fabrication drawings from design point of view and manufacturing feasibility.
6. Checking agitator drawings as per Equipment datasheets.
7. Issuing drawing and mechanical design to customers/ TPI for approval & get it approved.
8. Engaged in checking of Bill of material and releasing production order through SAP.
9. Technical discussions with vendors, customers, & third parties.
10. Ensuring high quality of all equipment's & making improvements for achieving better quality.

Project Coordination

1. Ensuring Mechanical Design & Drawings are prepared as per Customer Data sheets & Project specifications.
2. Identifying bottle necks in project execution for procurement, fabrication & dispatch. Accordingly preparation of project schedule for Engineering Department.
3. Coordination with customer, Planning, Piping, Manufacturing & QA teams for technical issues related project to maintain project schedule and quality products.

Key Projects Handled:

1. Project – M/s TRUSTIN TAPE PVT. LTD. (India Masking Plant) (Feb. 2017)

Responsibility:

- Preparation of Engineering project schedule with help of Project department,
- Allocation of draftsman according to schedule and providing Inputs for drawing preparation,
- Design of Equipment's like Agitated Vessels, Storage vessels, Heat exchangers as per International Codes like ASME/TEMA,
- Checking the drawing prepared by FRP/GRP/PP Tank vendors,
- Issuing drawings to TPI for Final approval,
- Co-coordinating with Production and Quality for Smooth Project execution,
- Issuing AS BUILT drawings to client and TPI before dispatch.

2. Project – SRS International (Bio diesel plant and Glycerin Purification Unit). (Jan. 2016)
Responsibility:
 - Preparation of Engineering project schedule with help of Project department,
 - Allocation of draftsman according to schedule and providing Inputs for drawing preparation,
 - Design of Equipment’s like Wiped film evaporator, reactors, heat exchangers, columns as per International codes ASME, TEMA considering Essential Safety Requirement of PED (Pressure Equipment Directive),
 - Material Planning with Purchase department,
 - Co-coordinating with Production and Quality for Smooth Project execution,
 - Issuing AS BUILT drawings to client and TPI before dispatch.
3. Project – PT. Nusantara Power Plant, Indonesia. (May 2015)
Responsibility:
 - Design of Static mixer and basket filters as per ASME Sect. VIII Div.1,
 - Preparation of 3D model of skid and its simulation,
 - Issuing drawing and design calculation to Third Party (TUV India) for approval.
4. Project – Biocon SDN BHD Malaysia (Dec. 2014) Responsibility:
 - Design of Buffer solution mixing reactors and holding vessels also broth mixing and. holding vessels,
 - Issuing drawing and design calculation to TPI for approval,
 - Dosh (Malaysia Gov.) Certification for approval.

Education

2007 - 2008	Private High School, Kolhapur Secondary School Certification with 82.92%
2008 - 2009	Chh. Shahu Junior College, Kolhapur Higher Secondary Certification with 67.17 %
2010 - 2014	Bharati Vidyapeeth College of Engineering, Kolhapur Mechanical Engineering with 63% Aggregate (Final year 72.76%)

Languages

- English
- Hindi
- Marathi

Skills

1. Designed Equipment's Like Reactors, WFE, ATFD, Columns, Heat Exchangers, Scrubbers, Storage Tanks etc. Worked on Turnkey Projects.
2. Knowledge of International Codes like ASME SECTION VIII DIV.1 , TEMA , EN 13445, IS 2825, API 650 etc.
3. Handled Software's like PV ELLITE, CADEM, HTRI, AUTOCAD, CATIA, and SOLID WORKS.
4. Worked on U-stamp , PED(CE marking) , Dosh Projects.

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Signatory

