HARSHAL JOSHI

+91 8980731136 | harshaljoshi71096@gmail.com

A passionate learner, keen to work with emerging technologies for the full-fledged organization, aiming at the growth and achieving goals of the organization. Passionate and keen about Manufacturing and maintenance. Have Strong technical, project management, and interpersonal skills to fit in the organization's environment.

EXPERINCE

Project engineer at Kutch Chemical Industries Limited– India (September 2018 – PRESENT)

Key Achievements and Responsibilities:

Process Engineering and Design:
Proficiently utilize AutoCAD 2D software to create comprehensive Process and Instrumentation Diagrams (P&IDs) tailored to meet project requirements. These visual representations serve as essential tools for comprehending and documenting complex industrial processes, instruments, and control systems.

Skillfully prepare General Arrangement Drawings (GADs) that offer a holistic perspective of plant layouts, emphasizing the spatial arrangement of equipment and critical dimensions. These GADs are vital in ensuring seamless project execution.

Project Management and Equipment Erection:
Spearhead equipment erection activities across multiple projects, notably the SNI project (Sodium Nitrite). This pivotal role involves overseeing the meticulous installation, rigorous testing, and safe operation of equipment while unwaveringly adhering to stringent safety standards.

Possess a keen eye for detail, ensuring the flawless execution of plant commissioning activities. These activities encompass a range of critical tasks, including precise cleaning, systematic flushing, rigorous verifications, meticulous leak testing, comprehensive performance evaluation, and exhaustive functional tests. My commitment to these processes is instrumental in facilitating the smooth transition of newly installed plants into routine operation.

Project Takeovers and Completion:

Demonstrate a proven track record of successfully taking over ongoing projects. This involves a seamless transition from the design phase to the completion stage while meticulously ensuring that all systems are not only fully operational but also meet the highest quality and safety standards.

My multifaceted role in process engineering and project management encompasses the entire project lifecycle, from initial design and equipment erection to comprehensive commissioning and successful project takeovers. My unwavering dedication to detail, unwavering commitment to safety standards, and adept project management skills underscore my ability to deliver exceptional results in the industrial sector.

PROJECTS

Project 1: Nitro Benzene (NB)

After successfully taking over the Nitro Benzene (NB) project from KBR technology, I undertook several critical tasks to ensure its smooth progression:

Translation and Documentation: Translated complex technical documentation from German to English, bridging a crucial language barrier. This facilitated clear communication and understanding among the project team.

Instrument Erection: Based on the translated documentation, I oversaw the meticulous erection of instruments. This comprehensive process ensured that all instruments were correctly installed and aligned, enabling the project to progress smoothly.

Production Stage Achievement: My efforts culminated in the successful transition of the project to the production stage. This achievement marked a significant milestone, demonstrating my proficiency in project management and execution.

Glassline Reactor Inspection: As a specialized task, I conducted a thorough inspection of Glassline Reactors (GLR) with capacities of 12.5 KL and 25 KL, specifically focusing on hydro testing, spark testing, thickness testing, and temperature testing. Precise evaluations of inlet and outlet parameters were carried out to ensure safety and operational efficiency.

Project 2: Sodium Nitrate

In the Sodium Nitrate project, I played a pivotal role in various aspects of project execution:

Plant Layout Design: Utilizing 2D AutoCAD, I meticulously designed the plant layout, including floor-wise and section-wise layouts. This enabled a structured and efficient arrangement of equipment and facilities within the plant.

Erection Activities: I actively participated in equipment erection activities based on the layout design, ensuring that the equipment was correctly placed and aligned in accordance with safety and quality standards.

Commissioning: My responsibilities extended to commissioning equipment, a critical phase in project execution. I oversaw the testing and validation of equipment to ensure it functioned as intended.

Inspection: I conducted comprehensive inspections of key components, including the distillation column, waste-gas column, and cooling tunnel. This involved meticulous examination and testing to guarantee compliance with project specifications.

Projects 3 and 4: Nitration 70 TPD & Nitration 100 TPD and Para Amino Phenol

For the Nitration 70 TPD, Nitration 100 TPD, and Para Amino Phenol projects, I was involved in creating essential project documentation:

Process P&ID Creation: I employed 2D AutoCAD to create internal Process and Instrumentation Diagrams (P&ID) for these new processes. These diagrams served as critical reference points for the projects' execution, ensuring that the processes were well-defined and understood.

Layout Design: In addition to P&ID creation, I also contributed to designing various layouts, including floor-wise and section-wise layouts. These layouts enhanced the organization and efficiency of equipment placement.

Installation Oversight: I took an active role in directing and overseeing the installation activities, ensuring that equipment was installed correctly and in accordance with project specifications.

EDUCATION

July 2013 – 2016

Diploma in Mechanical Engineering, MERCHANT POLYTECHNIC COLLAGE (Gujarat Technological University)

GUJARAT, INDIA GPA - 6.7/10

TECHNICAL SKILLS

- GAD
- Equipment Erection
- Product Modification & Designing
- Inventory Management
- Risk Management
- Problem analysis
- Material Optimization
- To ensure the product design based on the layout.
- Designing and modifications of the equipment.
- Monitoring plant commissioning activities.
- Ability to resolve any query or issue related to project.
- Experience in material optimization.
- Insight knowledge of risk management
- Structure designing and plant layout.

INTERPERSONAL SKILLS

- Positive attitude
- Active Listener
- Communication
- Project Management
- Flexible / Adaptable
- Creative problem solver
- Team Player

SPOKEN LANGUAGES

- English
- Gujarati
- Hindi

CERTIFICATES

- AutoCAD
- Fusion 360
- SolidWorks